

**NSK** PROFESSIONAL PRODUCTS

PROFESSIONAL PRODUCTS

Create it 

**NSK**

## AIR TURBINES

Ti-Max Z / S-Max M / S-Max pico  
Ti-Max X450 / DynaLED / FX PLUS / PanaAir FX

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## CONTRA-ANGLES

Ti-Max Z / Ti-Max Z45L / S-Max M  
FX Series

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## CLINICAL MICROMOTORS

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Ti-Max X205L / Student Kit

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## ORAL HYGIENE

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Varios 370 / Varios 170 / Ti-Max S970  
Prophy-Mate neo / Perio-Mate

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## ENDODONTICS

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ENDO-MATE AT / iPex II

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## MOBILE DENTISTRY

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## SPARE PARTS / COMPONENTS

SPARE PARTS / COMPONENTS

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# Create it

Smiling, laughing & eating delicious food.

Dental care is directly linked to a happy life and is inexplicably linked to a healthy life expectancy.

NSK creates various values for all stakeholders, on a mission to contribute to the best dental care.

Innovative technology, high precision/quality and stress-free products. Allowing confidence and security, to build trust with customers, smiles of patients and a bright future.

NSK is always close to people and this corresponds to long term dental health.

**Create\_**

**innovation**

**precision**

**quality**

**professionalism**

**confidence**

**partnership**

**hospitality**

**sustainability**

**smile**

**tomorrow**

# Made In KANUMA

"RD1" is the R&D center, with state-of-the-art equipment and highly trained engineering teams.

"A1" Factory is the world's largest (in its class) cutting-edge factory in ultra-precision machining for dental handpieces.

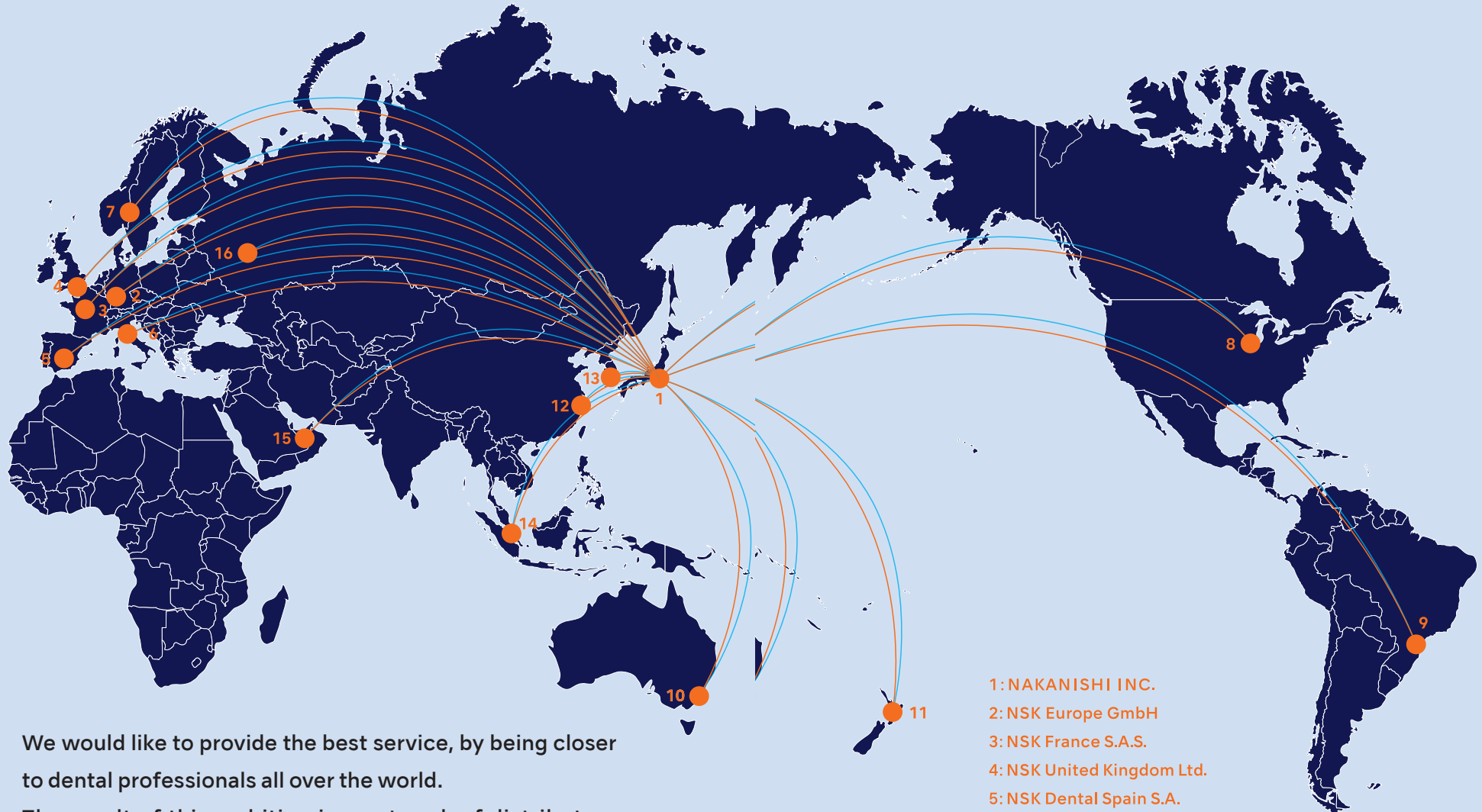
All NSK products are developed and produced in Japan and shipped worldwide.

This comes from our faith, that development and production should be integrated in order to make the best products.

NSK creates innovation in KANUMA, Japan.



# Global Network



We would like to provide the best service, by being closer to dental professionals all over the world. The result of this ambition is a network of distributors covering 16 overseas sales subsidiaries, as well as distributors covering 135 countries. Your voice is important, the sales people of NSK will continue to support you day-to-day in order to be able to meet any requests and suggestions you have.

- 1: NAKANISHI INC.
- 2: NSK Europe GmbH
- 3: NSK France S.A.S.
- 4: NSK United Kingdom Ltd.
- 5: NSK Dental Spain S.A.
- 6: NSK Dental Italy S.r.l
- 7: NSK Dental Nordic AB
- 8: NSK America Corp.
- 9: NSK America Latina Ltda.
- 10: NSK Oceania Pty. Ltd.
- 11: NSK Oceania Ltd.
- 12: NSK Shanghai Co.,Ltd.
- 13: NSK Dental Korea Co.,Ltd.
- 14: NSK Nakanishi Asia Pte. Ltd.
- 15: NSK Middle East FZCO
- 16: NSK RUS LLC

※As of 2021

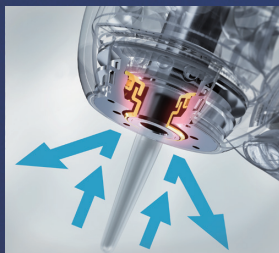
# Pioneer of Infection Control

= **DualDefence™**

As a dental instrument manufacturer, NSK always puts the safety of users, support staff and patients first. With that in mind, NSK has been searching for solutions to prevent infection for over 30 years. This fact and track record proves that NSK is the industry's leading brand in infection control.

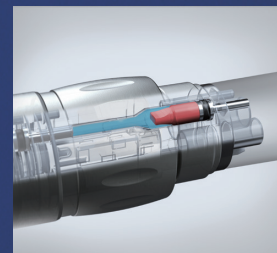


## CLEAN HEAD SYSTEM



The Anti-Suckback system prevents blood and dirt from entering the air lines.

## ANTI-RETRACTION VALVE



The Anti-Retriction Valve system prevents blood and debris from entering the water lines.

NSK 'Infection Control'  
special webpage ▶



# The Environment

NSK believes that it is an important mission to create products that contribute to the environment.

In order to protect the future global environment, we aim to reduce the environmental load and establish a "low-carbon, high recycling, and symbiotic society".

In the rich scenery of Kanuma-Japan, that changes its expression from season to season.

Recycling rate of cutting oil ..... 97%

Renewable energy usage \*1 ..... 100%

Waste resource recovery rate ..... 99.3%

\*1 Total power of headquarters facility.





## NSK Advantages

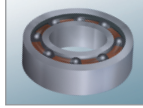
### NSK Cellular Glass Optic

Cellular Glass Optic delivers brilliant illumination, is highly durable and will not deteriorate due to repeated sterilization.



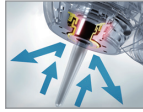
### NSK Ceramic Bearings

Ceramic Bearings are 25% harder than conventional steel bearings but are only half the weight. Because frictional wear between the ball bearings and the bearing retainer is significantly reduced the efficiency and durability is significantly increased.



### NSK Clean Head System

The patented NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings.



### NSK Push Button Chuck

Push Button Chuck is NSK's original push button auto-chuck mechanism that tightens the bur grip during rotation. It allows one-touch bur insertion and removal without tools. The bur lock mechanism is designed so that bur retention strength increases when high loads are applied to the bur.



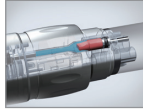
### NSK Quattro Water Spray

The NSK Quattro Water Spray effectively cools the entire surface of the bur with a high cooling effect, leaving no areas uncovered.



### NSK Non-Retraction Valve

A Non-Retraction Valve is integrated inside the coupling and inside air motors. It prevents retraction of contaminated fluids into the handpiece water lines. In combination with the Clean Head System, the Non-Retraction Valve provides an effective method to effectively reduce possible internal contamination.



### NSK Ergonomic Comfort Grip

NSK is dedicated to designing handpieces that adapt comfortably to the human hand form, even during extended treatment periods. This is relevant to all hand sizes. Titanium is the optimum material to especially offer lightweight comfort, tactile sensitivity, and the ideal grip texture even for gloved hands.



### NSK Scratchless DURAGRIP

Special surface processed body pursuing usability and operability is designed to improve comfortability of holding while equal scratch resistancy as DURACOAT is maintained.



### NSK Scratchless DURACOAT

DURACOAT, NSK's latest surface enhancement technology, takes advantage of the non allergic and biocompatible properties of titanium to further improve durability. DURACOAT creates a smooth, scratch resistant surface which is comfortable to hold.



### Autoclavable

All NSK handpieces offer superior durability and continued performance, even when frequently autoclaved. All handpieces may be autoclavable up to 135°C.



### Thermo-disinfectant Ready

Disinfecting handpieces prior to autoclaving is a recommendable practice for more effective infection control. The symbol mark on your NSK product means you can cleanse and disinfect the handpiece using a thermo-disinfectant.



■ Please quote both the Model & Order Code.

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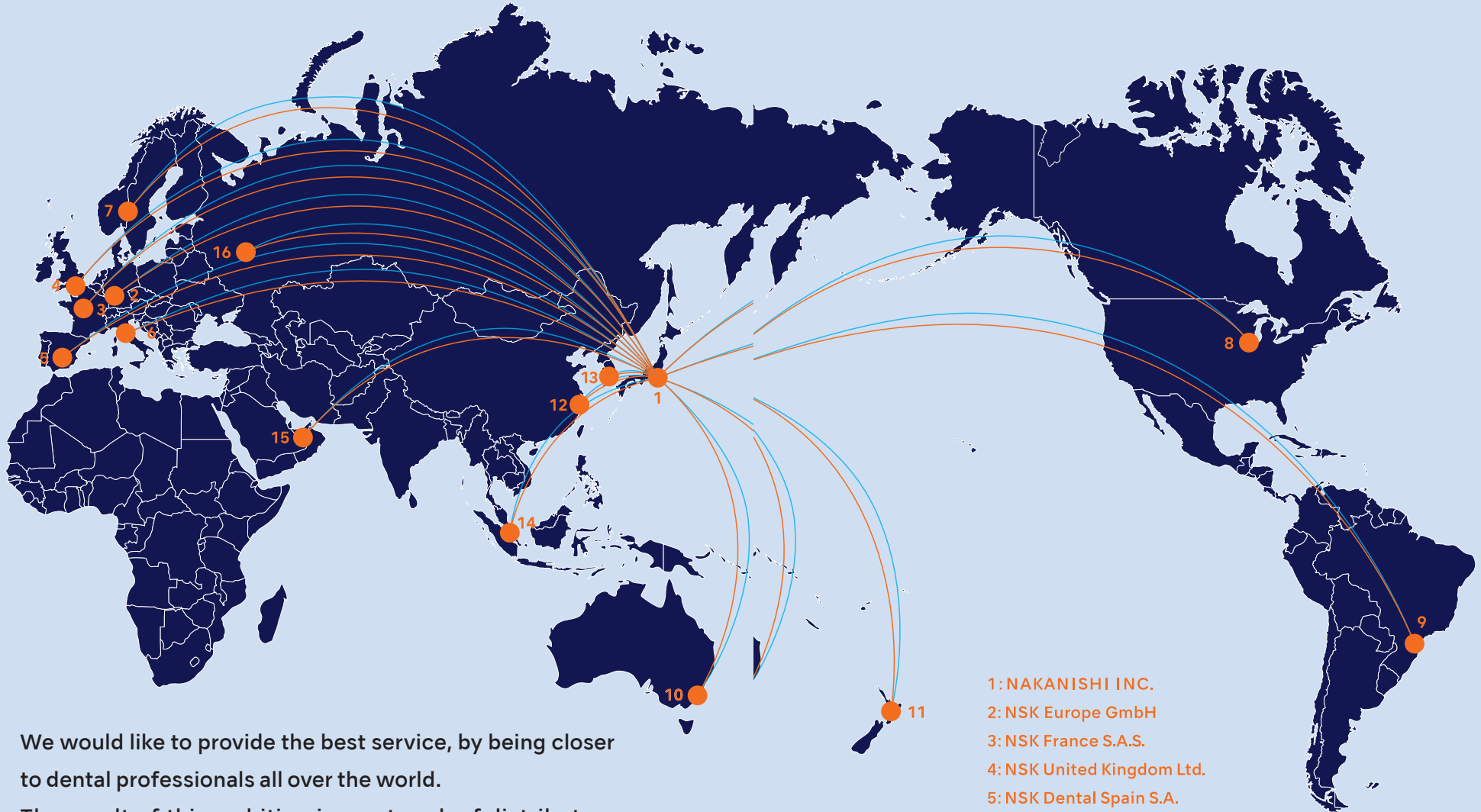
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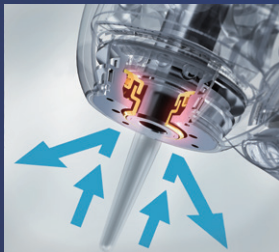
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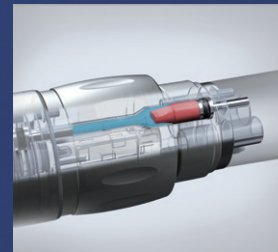


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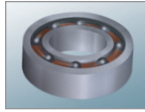
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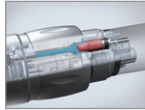
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■ Please quote both the Model & Order Code.



# Couplings

## For NSK



LUX Coupling



- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	<b>PTL-CL-LED</b>	<b>P1001600</b>
●	<b>PTL-CL-LED M</b>	<b>P1001606</b>

- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	<b>PTL-CL-LED III</b>	<b>P1001601</b>

## For KaVo®



LUX Coupling



- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	<b>KCL-LED</b>	<b>P1005600</b>

## For Sirona®



LUX Coupling



- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	<b>SCL-LED</b>	<b>P1009600</b>

## For NSK



Midwest 4 hole

- Non-RetractiveValve



Non-Optic	MODEL	ORDER CODE
—	<b>QD-J M4</b>	<b>T334051</b>

## For NSK



Borden 2/3 hole

- Non-RetractiveValve



Non-Optic	MODEL	ORDER CODE
—	<b>QD-J B2/B3</b>	<b>T332051</b>

## For NSK



Midwest 4 hole

- Stainless Steel Body
- Anti-Retraction Valve



Non-Optic	MODEL	ORDER CODE
—	<b>FM-CL-M4</b>	<b>P434051</b>

## For NSK







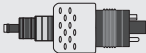
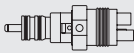



Borden 2/3 hole

- Stainless Steel Body
- Anti-Retraction Valve



Non-Optic	MODEL	ORDER CODE
—	<b>FM-CL-B2/3</b>	<b>P432051</b>

## NSK Coupling System

	Ti-Max Z	S-Max M	S-Max pico	Ti-Max X450	PanaAir FX	Ti-Max S970	Proply-Mate neo*	Perio-Mate*
<b>NSK LED</b> PTL-CL-LED PTL-CL-LEDIII 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>NSK Non-Optic</b> FM-CL-M4 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>KaVo® LED</b> KCL-LED 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Sirona® LED</b> SCL-LED 	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>W&amp;H®</b> 	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-	<input type="checkbox"/>	<input type="checkbox"/>
<b>Bien-Air®</b> 	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-	-	-
<b>NSK Non-Optic</b> QD-JM4 	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-
<b>Midwest 4 hole</b> (Direct-connect / Screw-on Type) 	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>
<b>Borden 2 hole</b> (Direct-connect / Screw-on Type) 	-	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>

\*Handpiece will operate without optic illumination

AIR TURBINES





	Ti-Max Z	S-Max M	Ti-Max X450	S-Max Pico	DynaLED	FX Plus	PanaAir FX
Grade	PREMIUM	ADVANCED	SPECIAL	SPECIAL	SPECIAL	BASIC	BASIC
Body	Titanium	Stainless	Titanium	Stainless	Stainless	Stainless	Stainless
DURAGRIP	●						
DURACOAT			●				
Ceramic Bearings	●	●	●	●	●	●	●
Cellular Glass Optics	●	●	●	●	●		
Clean Head System	●	●	●	●	●	●	●
Push Button Chuck	●	●	●	●	●	●	●
Water Spray	Quattro	Quattro	Triple	Single	Quattro	Quattro	Single
Microfilter	●						
Ergo Grip	●	●	●	●	●	●	●

# Ti-Max Z

Premium



**POWERFUL**

**Evolving to Redefine Performance**

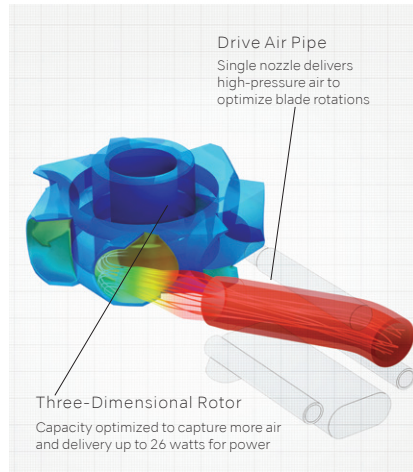
Z turbines deliver consistent power, and due to their ergonomic design they are easier to handle and give a more comfortable patient experience.

Z series turbines deliver everything and more than you would expect from a high performance air turbine.

All of this is the result of our ethos of consistently aiming to exceed expectations, uncompromising product design and ultra precision manufacturing technology to deliver ever improving levels of comfort for clinicians and patients.

With up to an incredible 26 watts\* of output, our air turbines will revolutionize your dental practice.

\*With the Z900L

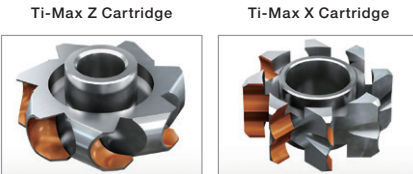


**Miniature Parts for Maximum Power, Reflecting NSK's Pursuit of The Optimum Rotor Shape**

**New Three-Dimensional Rotor**

We harnessed the latest computer analysis software to develop a rotor with higher output. We created a new three-dimensional curved shape after relentless simulations and pilot production. The blade is 50% larger than that of the Ti-Max X Air Turbine. With this new rotor, the air turbine delivers an amazing 26 watts \*of power.

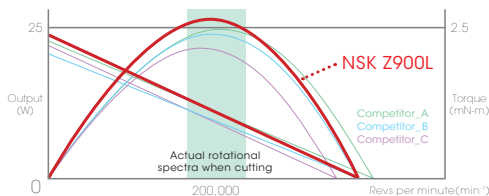
\*With the Z900L



**Blade surface 50% larger**

**High Output for Smoother Cutting**

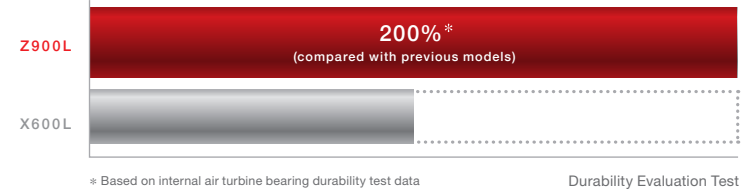
The 26 watts power output from the new rotor significantly enhances the performance during clinical applications. This can dramatically reduce treatment time and noticeably improve treatment comfort for the clinician and patient alike.



**DURABLE**

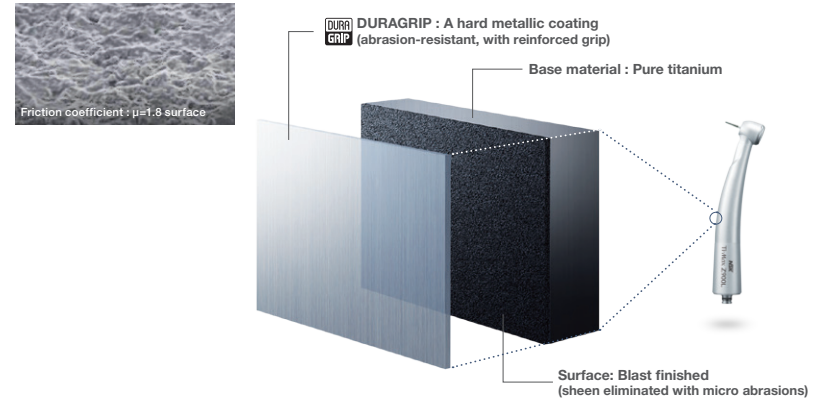
**Advanced Technology a Key Factor in Significantly Increased Durability of Ti-Max Z**

We completely redesigned the shape and found better materials for the bearing retainer to reduce frictional resistance and developed a new type of bearing to almost double the durability to accommodate constant thermodisinfectant and autoclave usage.

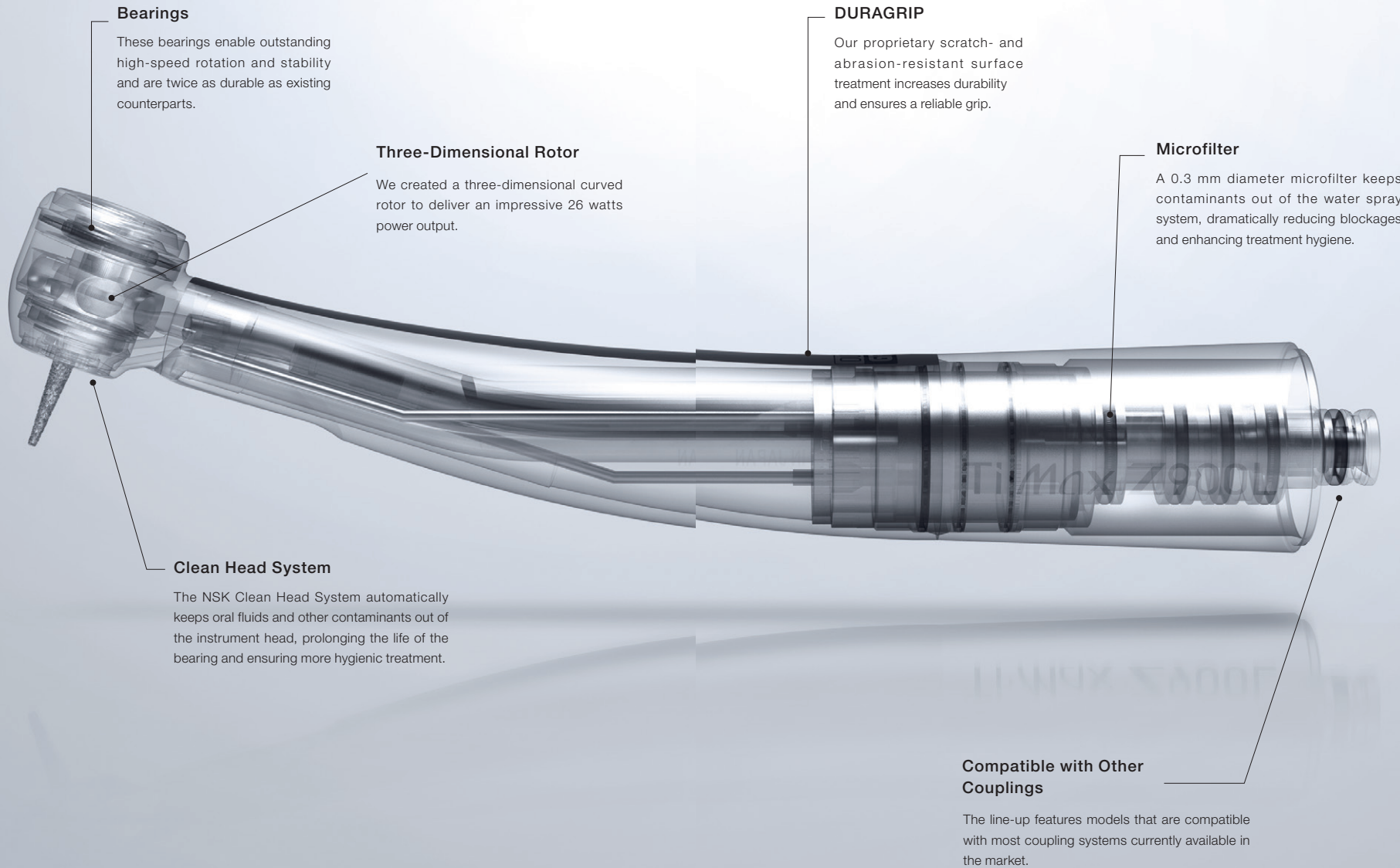


**DURAGRIP Non-Slip, Scratch-Resistant Surface Treatment Technology**

We blast-finish the pure titanium body surface utilising micro-abrasion before applying the DURAGRIP surface finish. The micro-abrasion enhances resistance to scratches and contributes to the firm, reliable non-slip grip.



TECHNOLOGY & FUNCTION



**Bearings**

These bearings enable outstanding high-speed rotation and stability and are twice as durable as existing counterparts.

**Three-Dimensional Rotor**

We created a three-dimensional curved rotor to deliver an impressive 26 watts power output.

**DURAGRIP**

Our proprietary scratch- and abrasion-resistant surface treatment increases durability and ensures a reliable grip.

**Microfilter**

A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

**Clean Head System**

The NSK Clean Head System automatically keeps oral fluids and other contaminants out of the instrument head, prolonging the life of the bearing and ensuring more hygienic treatment.

**Compatible with Other Couplings**

The line-up features models that are compatible with most coupling systems currently available in the market.

# Ti-Max Z Premium



- Titanium Body
- DURAGRIP
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray



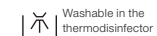
**Miniature Head**  
 Power : 23 W  
 : 21 W (except Z800L)  
 Speed : 360,000-440,000 min<sup>-1</sup>  
 Head Size : ø10.8 x H 12.1 mm  
 Dual use for regular standard bur / short shank bur



**Standard Head**  
 Power : 26 W  
 : 24 W (except Z900L)  
 Speed : 320,000-400,000 min<sup>-1</sup>  
 Head Size : ø12.5 x H 13.1 mm  
 Dual use for regular standard bur / short shank bur

	Head	Optic	MODEL	ORDER CODE
<b>NSK Couplings</b>	<b>Miniature</b>	●	<b>Z800L</b>	<b>P1110</b>
	<b>Standard</b>	●	<b>Z900L</b>	<b>P1111</b>
<b>KaVo® Coupling</b>	<b>Miniature</b>	●	<b>Z800KL</b>	<b>P1112</b>
	<b>Standard</b>	●	<b>Z900KL</b>	<b>P1113</b>
<b>Sirona® Coupling</b>	<b>Miniature</b>	●	<b>Z800SL</b>	<b>P1114</b>
	<b>Standard</b>	●	<b>Z900SL</b>	<b>P1115</b>
<b>W&amp;H® Coupling</b>	<b>Miniature</b>	●	<b>Z800WL*</b>	<b>P1120</b>
	<b>Standard</b>	●	<b>Z900WL*</b>	<b>P1121</b>
<b>Bien-Air® Coupling</b>	<b>Miniature</b>	●	<b>Z800BL*</b>	<b>P1116</b>
	<b>Standard</b>	●	<b>Z900BL*</b>	<b>P1117</b>

\*Compatible Turbines with Integral LED

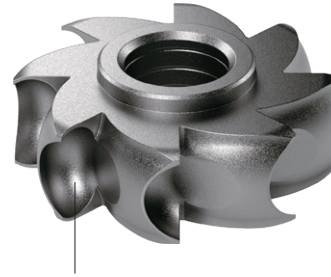


# S-Max M

Advanced



## MORE POWERFUL

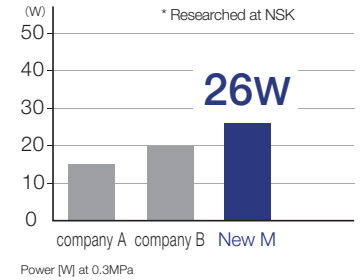


The new rotor design is optimized using a rotating air flow simulation, resulting in 26W of power through the efficient use of air supply energy.

### 26W power

The internal structure is completely redesigned to achieve superior noise and vibration reduction, including the new 26W high power rotor.

Power compared with the same handpiece class offered by other manufacturers.



## DURABILITY

### All stainless body

The handpiece body is stainless steel, making it corrosion resistant and sturdy. Its satin-like finish fits comfortably in your hand.

### Ceramic bearings

The ceramic bearings are 25% harder than steel and around half the weight, meaning very little wear, which helps the cartridge to last longer.

### Clean Head System

The Clean Head System has an anti-suck back mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the ball bearings and mechanical parts last longer.

## USABILITY

### Simple cartridge change

The handpiece is designed with barrel type cartridge. The cartridge is easy to replace. Changing the cartridge also eliminates water blockage.

### Quattro spray

Sprays more effectively over the entire bur for better cooling.

### Push Button Chuck

The bur is released easily with the responsive and tactile push button.



# S-Max M Advanced



- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray
- Simple Cartridge Change



**Miniature Head**  
 Power : 23 W  
 Speed : 380,000-450,000 min<sup>-1</sup>  
 Head Size : ø10.6 x H 12.4 mm



**Standard Head**  
 Power : 26 W  
 Speed : 325,000-430,000 min<sup>-1</sup>  
 Head Size : ø12.1 x H 13.3 mm

NSK Couplings	Head	Optic	MODEL	ORDER CODE
	<b>Miniature</b>	●	<b>M800L</b>	<b>P1253</b>
		—	<b>M800</b>	<b>P1255</b>
	<b>Standard</b>	●	<b>M900L</b>	<b>P1254</b>
		—	<b>M900</b>	<b>P1256</b>

KaVo® Coupling	Head	Optic	MODEL	ORDER CODE
	<b>Miniature</b>	●	<b>M800KL</b>	<b>P1257</b>
		●	<b>M900KL</b>	<b>P1258</b>

Sirona® Coupling	Head	Optic	MODEL	ORDER CODE
	<b>Miniature</b>	●	<b>M800SL</b>	<b>P1261</b>
		●	<b>M900SL</b>	<b>P1262</b>

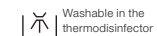
  

W&H® Coupling	Head	Optic	MODEL	ORDER CODE
	<b>Miniature</b>	●	<b>M800WL*</b>	<b>P1265</b>
		●	<b>M900WL*</b>	<b>P1266</b>

Bien-Air® Coupling	Head	Optic	MODEL	ORDER CODE
	<b>Miniature</b>	●	<b>M800BL*</b>	<b>P1263</b>
		●	<b>M900BL*</b>	<b>P1264</b>

\*Compatible Turbines with Integral LED



# S-Max pico

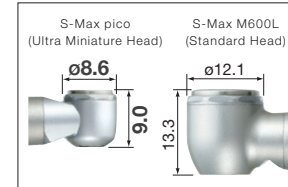
Special



## The Innovative Air Turbine with Ultra Mini Head and Super Slim Body Shape

The NSK S-Max pico series has been developed for the operation of Minimal Intervention (M.I). The ultra mini head and super slim handpiece design is the result of fine NSK precision engineering allowing a wider view of the operational field, and greater flexibility for dexterity.

### Comparison of head sizes



### Improve The Accuracy of Operation with The Microscope



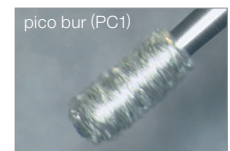
The ultra mini head delivers expanded operational visibility and greater flexibility. Patient comfort is increased.

In combination with mirror technique



### Size Specifications of The S-Max Pico Series Dedicated Burs for S-Max pico Series

NSK has developed special ultra short shank burs to operate specifically with the pico handpiece. These high quality precision burs are concentric and durable. Use of NSK ultra short shank burs maximises the mini advantage of the pico handpiece.



Original bur of high precision  
(Rotational speed: 400,000 min<sup>-1</sup>)

# S-Max pico Special



- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Single Spray

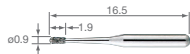


Power : 9 W  
 Speed : 380,000-450,000 min<sup>-1</sup>  
 Head Size : ø8,6 x H 9,0 mm  
 • For short shank burs / ultra short shank burs

NSK Couplings	Optic	MODEL	ORDER CODE
●		<b>S-Max pico</b>	<b>P1140</b>
KaVo® Coupling	Optic	MODEL	ORDER CODE
●		<b>S-Max pico KL</b>	<b>P1142</b>
QD Couplings	Optic	MODEL	ORDER CODE
—		<b>S-Max pico QD</b>	<b>P1173</b>
Midwest 4 hole (Direct-connect / Screw-on Type)	Optic	MODEL	ORDER CODE
—		<b>S-Max pico M4</b>	<b>P1217</b>
Borden 2 hole (Direct-connect / Screw-on Type)	Optic	MODEL	ORDER CODE
—		<b>S-Max pico B2</b>	<b>P1218</b>

\*Compatible Turbines with Integral LED

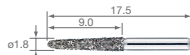
pico bur



MODEL	ORDER CODE
<b>PC1</b>	<b>Y1001817</b>
• Pack of 3	



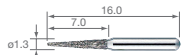
MODEL	ORDER CODE
<b>PC2</b>	<b>Y1001818</b>
• Pack of 3	



MODEL	ORDER CODE
<b>PC3</b>	<b>Y1001819</b>
• Pack of 3	



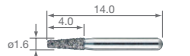
MODEL	ORDER CODE
<b>PC3ff</b>	<b>Y1002019</b>
• Extra fine bur • Pack of 3	



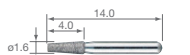
MODEL	ORDER CODE
<b>PC4</b>	<b>Y1001820</b>
• Pack of 3	



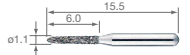
MODEL	ORDER CODE
<b>PC4ff</b>	<b>Y1002020</b>
• Extra fine bur • Pack of 3	



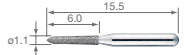
MODEL	ORDER CODE
<b>PC5</b>	<b>Y1001821</b>
• Pack of 3	



MODEL	ORDER CODE
<b>PC5ff</b>	<b>Y1002021</b>
• Extra fine bur • Pack of 3	



MODEL	ORDER CODE
<b>PC6</b>	<b>Y1001822</b>
• Pack of 3	



MODEL	ORDER CODE
<b>PC6ff</b>	<b>Y1002022</b>
• Extra fine bur • Pack of 3	



MODEL	ORDER CODE
<b>pico bur set</b>	<b>Y1001816</b>
• P1-6/1 pcs.each	

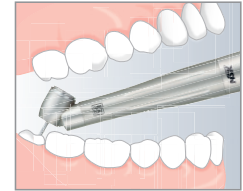


# Ti-Max X450

Special

## Unique 45-degree Angled Head Provides Incredible Accessibility

The slim-form Ti-Max X450 series possesses a unique 45-degree angled head specially designed to access hard-to-reach areas for sectioning and extraction of third molars and other impacted teeth. The X450's robust 21 watts of cutting power and effective cooling system - featuring triple water jets - ensure safe and effective treatment during a variety of surgical procedures.

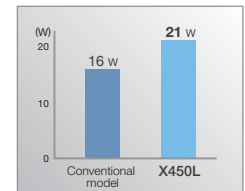


## Superior Accessibility

The 45-degree angled head offers excellent accessibility and visibility during root separation procedures and the removal of hard tissue covering impacted third molars.

## A Potent 21 W of Cutting Power

NSK's original twin-nozzle head fully transmits the power of the air turbine to the X450's rotor, generating the high torque needed for powerful, consistent cutting.



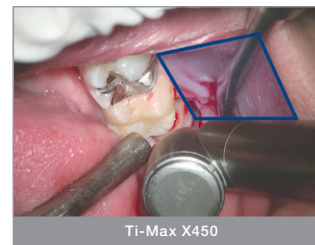
## Triple Water Jets & Cellular Glass Optics

NSK's Triple Water Jet system efficiently bathes the bur at all operating speeds, providing maximum cooling.



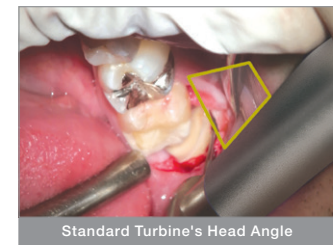
## The Ti-Max X450 Permits Optimal Access to Molars and a Diverse Range of Operative Procedures.

Mandibular Right Third Molar Extraction



Ti-Max X450

The labial and cheek mucous membranes do not interfere with treatment, and the bur can be maintained at a safe and optimal angle due to no contact on the turbine body. The X450's slim form factor also provides maximum visibility.



Standard Turbine's Head Angle

Extending the labial or cheek mucous membranes is hard, which makes feel delicate tactile sense while cutting difficult. Maintaining the bur at an optimal angle and direction is also problematic.

# Ti-Max X450 Special



- Titanium Body with Scratch Resistant DURACOAT
- 45° Angle Head
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Triple Water Jet



Power : 21 W  
 : 18 W (except X450L)  
 Speed : 380,000-450,000 min<sup>-1</sup>  
 Head Size : ø11.2 x H 13.5 mm  
 • For FG extra-long burs (25 mm) only

	Optic	MODEL	ORDER CODE
<b>NSK Couplings</b>	●	<b>X450L</b>	<b>P1078</b>
	—	<b>X450</b>	<b>P1088</b>
<b>KaVo® Coupling</b>	●	<b>X450KL</b>	<b>P1079</b>
	—		
<b>Sirona® Coupling</b>	●	<b>X450SL</b>	<b>P1080</b>
	—		
<b>QD Couplings</b>	—	<b>X450QD</b>	<b>P1086</b>
	—		
<b>Midwest 4 hole (Direct-connect / Screw-on Type)</b>	—	<b>X450M4</b>	<b>P1092</b>
	●		



\*Compatible Turbines with Integral LED



# DynaLED

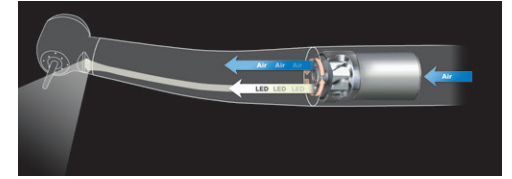
Special

## DynaLED Product Highlights NSK long life micro power generator – high efficiency and long term durability

NSK has applied the very latest technologies and materials to achieve long term efficiency and reliability.

Micro power generator is electronically calculated to produce the correct power source for highly effective LED illumination.

The performance of the handpiece is not influenced by the micro power generator.

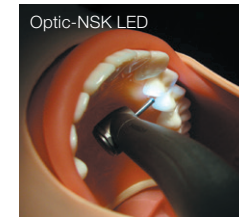


## DynaLED – a perfectly balanced turbine handpiece

Even with the integrated power generator, NSK DynaLED is a perfectly balanced, high performance turbine handpiece. Clinicians will notice no weight nor balance difference when compared to a conventional turbine handpiece.

## LED durability

The LED light source is significantly more durable than quartz, replicating daylight illumination quality.



# DynaLED Special



- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray



**Miniature Head**  
 Power : 15 W (M4, B2) / 13 W (QD)  
 Speed : 380,000-450,000 min<sup>-1</sup>  
 Head Size : ø10.6 x H 12.4 mm, 25,000 LUX  
 \*Both standard and short shank burs are applicable.



**Standard Head**  
 Power : 16 W (M4, B2) / 14 W (QD)  
 Speed : 330,000-430,000 min<sup>-1</sup>  
 HeadSize : ø12.1 x H 13.3 mm, 25,000 LUX

**Midwest 4 hole**  
 (Direct-connect / Screw-on Type)



Head	MODEL	ORDER CODE
<b>Miniature</b>	<b>M500LG M4</b>	<b>P1105</b>
<b>Standard</b>	<b>M600LG M4</b>	<b>P1104</b>

**Borden 2 hole**  
 (Direct-connect / Screw-on Type)



Head	MODEL	ORDER CODE
<b>Miniature</b>	<b>M500LG B2</b>	<b>P1107</b>
<b>Standard</b>	<b>M600LG B2</b>	<b>P1106</b>

**QD Couplings**

Head	MODEL	ORDER CODE
<b>Miniature</b>	<b>M500LG QD</b>	<b>P1109</b>
<b>Standard</b>	<b>M600LG QD</b>	<b>P1108</b>



# FX PLUS Basic



- Stainless Steel Body
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray
- Simple Cartridge Change



**Miniature Head**  
 Speed : 380,000-450,000 min<sup>-1</sup>  
 Head Size : ø10.6 x H 12.4 mm  
 \*Both standard and short shank burs are applicable



**Standard Head**  
 Speed : 325,000-410,000 min<sup>-1</sup>  
 Head Size : ø12.1 x H 13.3 mm

**Midwest 4 hole**  
 (Direct-connect / Screw-on Type)



**Borden 2 hole**  
 (Direct-connect / Screw-on Type)



**QD Couplings**

Head	MODEL	ORDER CODE
<b>Miniature</b>	<b>FXP-MU M4</b>	<b>PA2300</b>

<b>Standard</b>	<b>FXP-SU M4</b>	<b>PA2301</b>
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Head	MODEL	ORDER CODE
<b>Miniature</b>	<b>FXP-MU B2</b>	<b>PA2302</b>

<b>Standard</b>	<b>FXP-SU B2</b>	<b>PA2303</b>
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Head	MODEL	ORDER CODE
<b>Miniature</b>	<b>FXP-MU QD</b>	<b>PA2304</b>

<b>Standard</b>	<b>FXP-SU QD</b>	<b>PA2305</b>
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# PanaAir FX

Basic

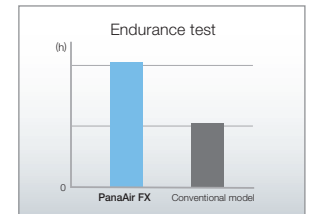
## Unsurpassed Durability

Built to Excel in Clinical Situations.  
 Featuring a Scratch-resistant  
 Stainless Steel Body and Sturdier Turbine Head.  
 Thanks to its uniquely designed shock-resistant head design,  
 PanaAir FX's turbine rotor won't get damaged even if dropped  
 from two meters onto a concrete floor.



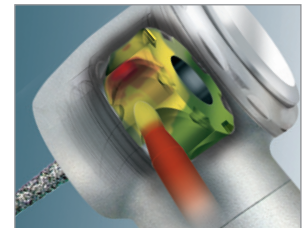
## Exceptional Longevity.

Newly designed bearing structure with greater wear resistants  
 and extended lifespan.



## 30% Power Boost

PanaAir FX is dramatically more powerful than its predecessors thanks to the combination of NSK's air turbine simulation technologies. Rated at a maximum of 20 watts, this new model boasts the highest power rating in its class. That concentrated power, along with the bur's high rotational accuracy, creates a synergistic effect that ensures fast, precise treatments.



# PanaAir FX Basic



- Stainless Steel Body
- Ceramic Bearings
- Clean Head System (Push Button Type)
- Push Button Chuck (except Wrench Type)
- Single Spray
- Air Pressure Regulating Valve (except QD Type)



Speed : 350,000-450,000 min<sup>-1</sup>  
 Head Size : ø11.2 x H 13.4 mm

## Push Button Type

Midwest 4 hole  
 (Direct-connect / Screw-on Type)



MODEL	ORDER CODE
<b>PAF-SU M4</b>	<b>P1225</b>

Borden 2 hole  
 (Direct-connect / Screw-on Type)



MODEL	ORDER CODE
<b>PAF-SU B2</b>	<b>P1226</b>

QD Couplings

MODEL	ORDER CODE
<b>PAF-SU QD</b>	<b>P1227</b>

## Wrench Type

Midwest 4 hole  
 (Direct-connect / Screw-on Type)



MODEL	ORDER CODE
<b>PAF-S M4</b>	<b>T1069</b>

Borden 2 hole  
 (Direct-connect / Screw-on Type)



MODEL	ORDER CODE
<b>PAF-S B2</b>	<b>T1070</b>



CONTRA-ANGLES



Grade	PREMIUM	SPECIAL	ADVANCED	BASIC
Body	Titanium	Titanium	Stainless	Stainless
DURAGRIP	●	●		
DURACOAT				
Anti Heat System	●	●		
Ceramic Bearings	●	●	●	
Cellular Glass Optics	●	●	●	
Clean Head System	●	●	●	●
Push Button Chuck	●	●	●	● except FX22
Water Spray	Quattro	Quattro	Quattro	
Two-Way Spray Function	●	●		
Microfilter	●	●		
Ergo Grip	●	●	●	●

# Ti-Max Z

Premium

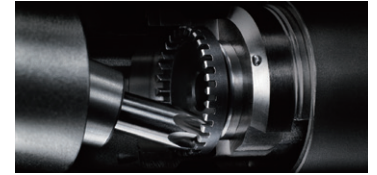




## ADVANCED TECHNOLOGY

### Amazingly Silent Operation

Amazing silence and minimal vibration: The marriage of micro-precision parts and gears has lowered noise and vibration even more to provide comfort for clinicians and patients alike.



### Anti Heat System (Z95L, Z85L, Z84L)

Our proprietary Anti Heat System dramatically reduces the heat typically experienced with speed increasing contra-angles. This feature improves patient safety without compromising manoeuvrability.

## DURABLE

### A Stunningly Durable and Reliable Handpiece

NSK has combined advanced design and world-class processing technology to create incredibly durable instruments. The gear is coated with special diamond-like carbon to make wear resistance up to five times greater than on previous models. NSK's advanced technologies have boosted sterilization resistance, delivering even better reliability for dental practices.

## COMFORT

### The Ultimate in Handpieces The Result of Invaluable Clinical Feedback

The handpiece is more user-friendly, cleaner, and safer. By reviewing everything from the shape of the instrument, to hygiene aspects and safety features using the most advanced technologies, we have made the contra-angle more ergonomic and comfortable for the clinician and safer for the patient, reducing stress for clinicians and patients alike. Only NSK's Ti-Max Z premium range offers these unique features.

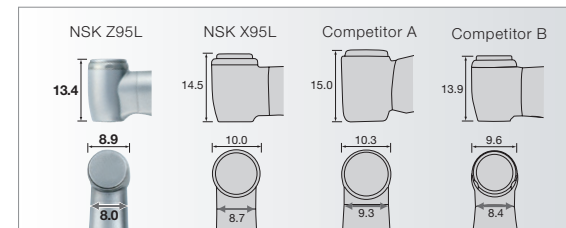
## OUTSTANDING OPERABILITY

### The Smallest Head

The head is angled 2° more than on the X95L for much better visibility and accessibility even for molars and other areas that are difficult to treat.

### The Slimmest Neck

The slimmer neck provides much better visibility compared to existing products, delivering wide visibility of all treatment areas.



**TECHNOLOGY & FUNCTION**

**Anti Heat System**

Our proprietary Anti Heat System dramatically reduces heat generation to prevent burning.  
(With Z95L/Z85L/Z84L)

**DURAGRIP**

Our proprietary scratch- and abrasion-proof surface treatment increases durability and ensures a secure grip.

**Microfilter**

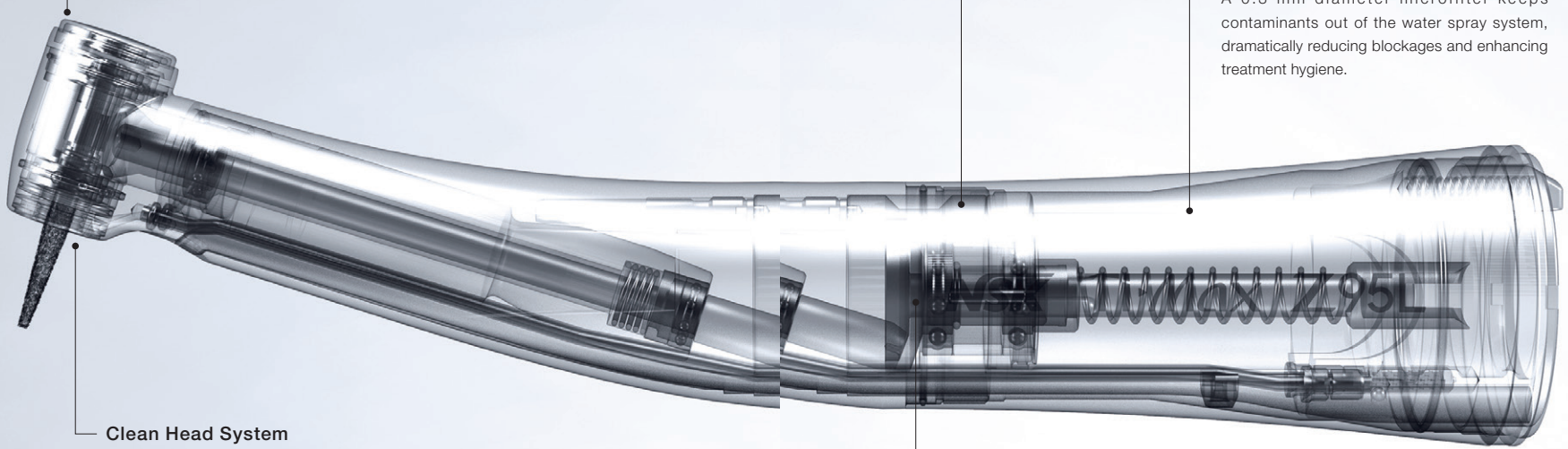
A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

**Clean Head System**

The patented NSK Clean Head System automatically keeps oral fluids and other contaminants out of the instrument head, prolonging the life of the bearing and ensuring more hygienic treatment.

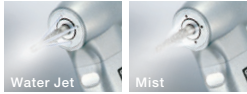
**Amazing Silence and Minimal Vibration**

The marriage of micro-precision parts and gears has lowered noise and vibration even more.



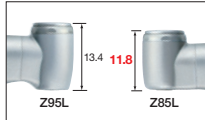
# Ti-Max Z Premium

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- Clean Head System (Exclude Z24L)
- Microfilter



	Optic	MODEL	ORDER CODE
<b>1:5 Increasing</b>	●	<b>Z95L</b>	<b>C1034</b>

- Quattro Spray (with two way spray function)
- Max Speed: 200,000 min<sup>-1</sup>
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System

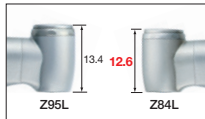


Head size comparison  
Z85L offering extraordinary  
visibility and accessibility.



	Optic	MODEL	ORDER CODE
<b>1:5 Increasing</b>	●	<b>Z85L</b>	<b>C1062</b>

- Single Spray
- Miniature Head
- Max Speed: 200,000 min<sup>-1</sup>
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- \*Short Shank burs only

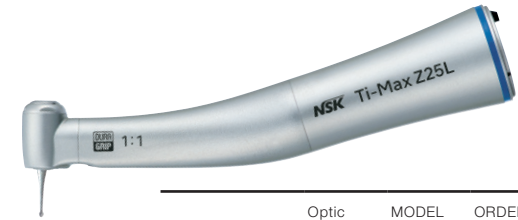


Head size comparison  
Z84L offering extraordinary  
visibility and accessibility.



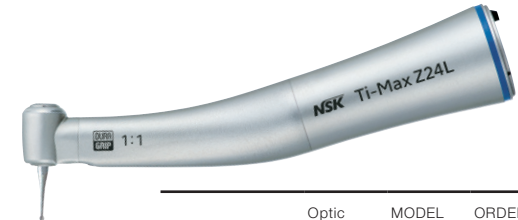
	Optic	MODEL	ORDER CODE
<b>1:4.5 Increasing</b>	●	<b>Z84L</b>	<b>C1135</b>

- Quattro Spray (with two way spray function)
- Miniature Head
- Max Speed: 180,000 min<sup>-1</sup>
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- \*Short Shank burs only



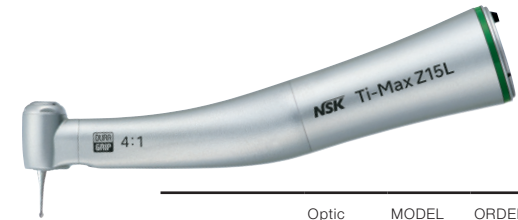
	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>Z25L</b>	<b>C1038</b>

- Single Spray (with two way spray function)
- Max Speed: 40,000 min<sup>-1</sup>
- For CA burs (ø2.35)



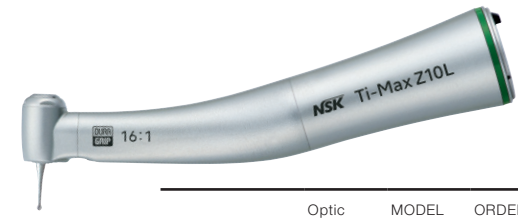
	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>Z24L</b>	<b>C1126</b>

- Single Spray
- Miniature Head
- Max Speed: 40,000 min<sup>-1</sup>
- For CA burs (ø2.35)



	Optic	MODEL	ORDER CODE
<b>4:1 Reduction</b>	●	<b>Z15L</b>	<b>C1039</b>

- Single Spray (with two way spray function)
- Max Speed: 10,000 min<sup>-1</sup>
- For CA burs (ø2.35)



	Optic	MODEL	ORDER CODE
<b>16:1 Reduction</b>	●	<b>Z10L</b>	<b>C1040</b>

- Single Spray
- Max Speed: 2,500 min<sup>-1</sup>
- For CA burs (ø2.35)



# Ti-Max Z45L

Special



## 45-degree Angled Head Supplies Superior Accessibility and Maximum Visibility

The world's first 45-degree contra-angle, Ti-Max Z45L provides effortless access to hard-to-reach molars that a standard contra-angle simply can't match. The slim-form Ti-Max Z45L also offers excellent visibility and high operability, creating more space between adjacent teeth and the handpiece body. Ti-Max Z45L's powerful and consistent cutting shortens treatment time for time-consuming sectioning and third-molar extractions compared to standard contra-angles, dramatically reducing stress for both clinicians and patients.



### Superior Accessibility

The 45-degree angled head allows easy access to the molar region, minimizing interference from the front teeth and adjacent teeth.



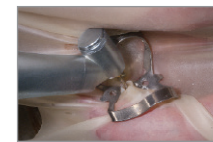
Sectioning a Mandibular Left Impacted Third Molar



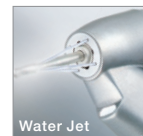
Caries Removal from a Maxillary Left Lateral Incisor's Cervical Area



Caries Removal from a Maxillary Left Second Premolar on Palatal Side



Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar



Water Jet



Mist

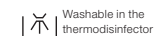
### Two-Way Spray Function

The world's first two-way spray function allows you to instantly choose between a mist or jet spray depending on the conditions and procedure. The water jet spray prevents subcutaneous emphysema in surgical procedures, and the mist spray effectively cools the bur while cutting.



- Titanium Body with Scratch Resistant DURAGRIP
- 45° Angle Head
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray (with two way spray function)
- Microfilter
- Anti Heat System
- For FG burs (ø1.6)
- Max Speed: 168,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>1:4.2 Increasing</b>	●	<b>Z45L</b>	<b>C1064</b>



Washable in the thermodisinfectant



Autoclavable up to 135°C

# S-Max M

Advanced



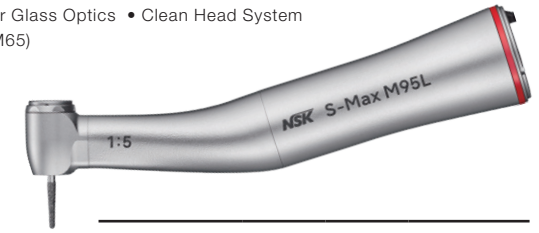
## TOUGHNESS

The S-Max M series contra-angles have dramatically improved durability, and feature an updated internal body design and chuck mechanism. They are NSK's next-generation standard - a marriage of ergonomic sophistication and smooth cutting feel. Experience them for yourself.

- Stainless Steel Body
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck (Exclude M65)



- Quattro Spray
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- Max Speed: 200,000 min<sup>-1</sup>



	Optic	MODEL	ORDER CODE
<b>1:5 Increasing</b>	●	<b>M95L</b>	<b>C1023</b>
	—	<b>M95</b>	<b>C1026</b>



- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min<sup>-1</sup>



	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>M25L</b>	<b>C1024</b>
	—	<b>M25</b>	<b>C1027</b>

- Single Spray
- For CA burs (ø2.35)
- Max Speed: 10,000 min<sup>-1</sup>



	Optic	MODEL	ORDER CODE
<b>4:1 Reduction</b>	●	<b>M15L</b>	<b>C1025</b>
	—	<b>M15</b>	<b>C1028</b>

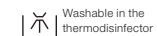
## Straight Handpiece

- Single Spray
- For HP burs (ø2.35)
- For CA burs (ø2.35)\*
- Max Speed: 40,000 min<sup>-1</sup>

\*Need to insert the supplied bur stopper



	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	—	<b>M65</b>	<b>H1008</b>



Washable in the thermodisinfectant



Autoclavable up to 135°C

# FX series

Basic



## Integrated Handpieces : Ergonomic :Functional : Reliable

After 35 years of outstanding global success, the classic NSK EX handpiece series has now evolved into a new stage. – NSK FX handpiece series – a modernization of the EX series. The traditional NSK simple design technology, functional reliability, durability, and cost effective pricing still remains, but FX has been updated to an integrated design in response to modern demands.

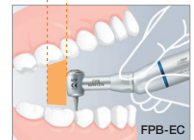
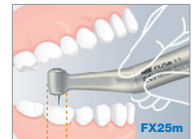
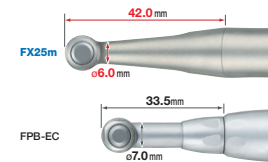
## Durable Stainless Steel Body

Stainless is lighter and more durable than brass. Handpiece weight is considerably reduced and ergonomic hand comfort is greatly enhanced with a realistic tactile sense.

## Improved Visibility : Ideal Balance

The extra slim head and body design greatly improves direct and indirect visibility to the oral operational field. This includes increased visibility of even difficult access areas in the oral cavity.

The slim, lighter weight design delivers an entirely comfortable ergonomic balance, especially when used in conjunction with the new NSK FX Mini Air motor.



Maximum accessibility

## Easy Cartridge Replacement

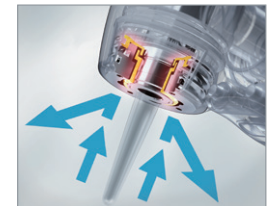
In some instances cartridges are easily replaced in surgery with the accessory tools supplied with the new product. Service costs and downtime are reduced (FX25m).



## Clean Head System

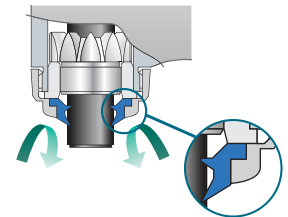
The patented NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings.

(FX25m / FX15m / FX65m)



## FX57m Paste Defense System

The prophylaxis handpiece head incorporates the unique NSK Paste Defense System which prevents dust and polishing paste debris from entering the handpiece. In addition, the NSK DLC coating on the rotor prevents possible breakage caused by surface abrasions from the polishing paste. These are some features that illustrate extended FX handpiece durability.



# FX series Basic

## General Applications Handpiece



- For CA burs (ø2.35)
- Push Button Chuck
- Clean Head System
- Ball Bearing
- Max Speed : 40,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>FX25</b>	<b>C1052002</b>



- For CA burs (ø2.35)
- Push Button Chuck
- Max Speed : 30,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>FX23</b>	<b>C1056002</b>



- For CA burs (ø2.35)
- Latch type
- Max Speed: 30,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>FX22</b>	<b>C1129</b>



- For CA burs (ø2.35)
- Push Button Chuck
- Clean Head System
- Ball Bearing
- Max Speed : 10,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>4:1 Reduction</b>	<b>FX15</b>	<b>C1053002</b>

## Endodontic Handpiece



- Miniature Head
- For engine files
- 360° Rotation
- Push Button Chuck
- Max Speed : 1,250 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>16:1 Reduction</b>	<b>FX75</b>	<b>C1055002</b>

## Prophylaxis Handpiece



- For screw-in cups and brushes
- 360° Rotation
- w/o Spray
- Paste Defense System
- Max Speed : 5,000 min<sup>-1</sup>



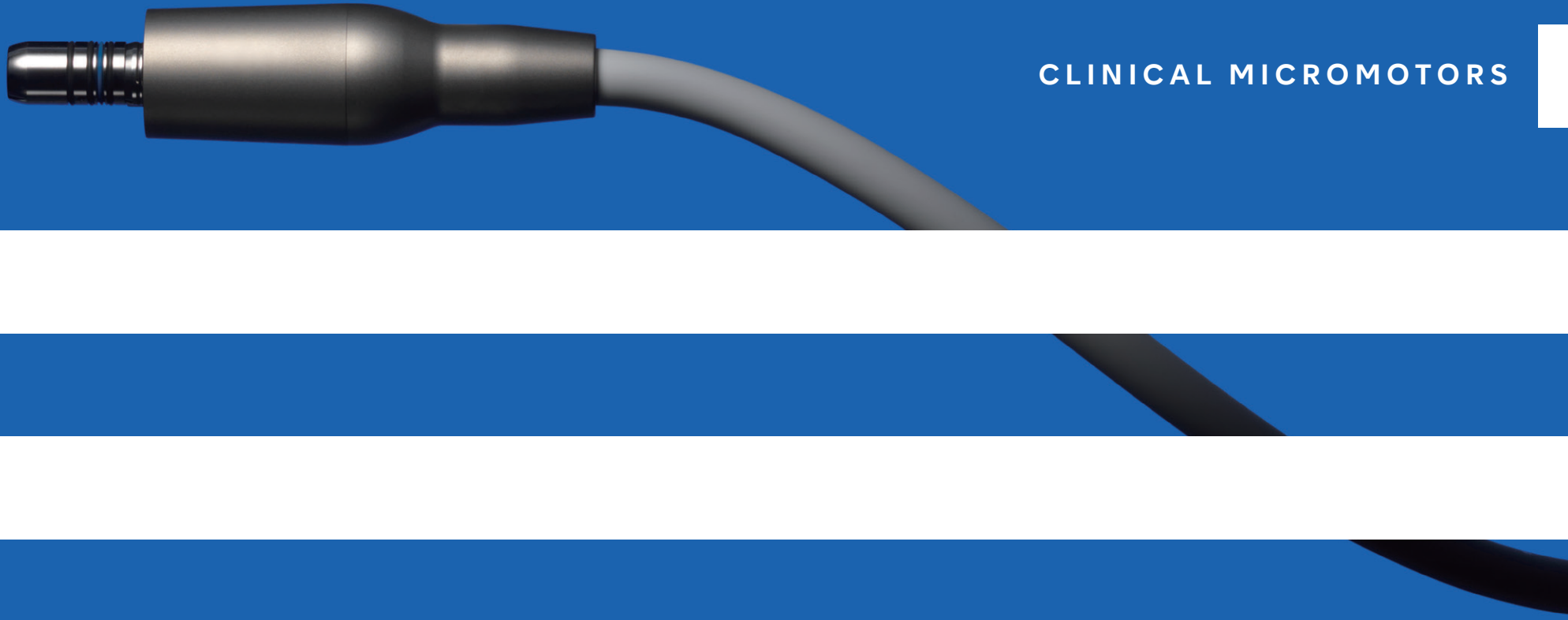
	MODEL	ORDER CODE
<b>4:1 Reduction</b>	<b>FX57</b>	<b>C1054002</b>

## Straight Handpiece



- For HP burs (ø2.35)
- Clean Head System
- Max Speed : 40,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>FX65</b>	<b>H1014002</b>



CLINICAL MICROMOTORS

# NLZ



## The Compact Makes a Big Change

Now in a more compact size, with higher safety and flexibility for different installation styles, NSK's all new "NLZ" can help any user of air driven handpieces convert to electric and enjoy the full benefits of this smart system. The unique technology of "NLZ" employs an all-new micromotor system and expands the possibilities of dental treatment. This original concept from the leading handpiece manufacturer provides cutting-edge features applicable to a wide-range of endodontic treatments with enhanced comfort and safety. A big change in treatment environment is brought with only a minor addition to the current equipment in your office.

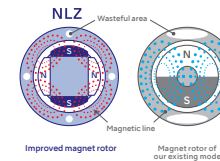
## Flexible Installation Style Superior Visibility & Operability



## Superior\* Performance of Motor with Compact Size

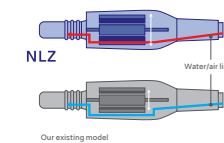
### Powerful

The conventional magnet rotor has been replaced with an improved magnet rotor. More powerful rotation is achieved in the same amount of space by reducing weak magnetic areas.



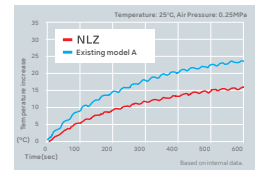
### Efficient

In this unique technology, the water and air lines that used to bypass the motor have now been integrated with the motor. This new, more efficient configuration makes maximum use of the limited space and is lighter and more powerful than before.



### Less heat

NLZ employs a simple non-layered coil instead of a standard layered coil. The coils are as compact as possible, shortening the pathway for heat generating current. As a result it generates less heat without reducing the output power.



\*Compared to our existing model.

# NLZ/NLZ E

## Electric Micromotor

- Internal Water Spray



### NLZ

Optic	MODEL	ORDER CODE
●	<b>NLZ S230</b>	<b>Y1500360</b>

#### Contents

- NLZ U (Control Unit & Main Unit) • NE180 (AC adaptor)
- NLZ (Motor) • NLZ CD (Motor Cord 1.8 m)
- NLZ U BRACKET

#### Specifications

- [Unit]
- Dimension Control Unit : W 76 × D 87.1 × H 63.4 mm
  - Dimension Main Unit : W 146 × D 75 × H 48 mm
  - Power Supply : 230 V 50/60 Hz
  - Programs : General Application Mode / 6 programs  
Rotary Endo Mode / 6 programs

### NLZ E with Endodontic Function

Optic	MODEL	ORDER CODE
●	<b>NLZ E S230</b>	<b>Y1004004</b>

#### Contents

- NLZ E U (Control Unit & Main Unit) • NE180 (AC adaptor)
- NLZ (Motor) • NLZ CD (Motor Cord 1.8 m)
- NLZ U BRACKET

- [Motor]
- Motor Type : Brushless Micromotor
  - Max Torque : 4.2 Ncm
  - Endodontics Torque : 0.3 - 6.0 Ncm\*
  - Motor Speed : 100 - 40,000 min<sup>-1</sup>
  - Dimension : ø22 × H 68.8 mm
  - Weight : 59 g (motor only)
  - Light : White LED
- \*Depending on gear ratio

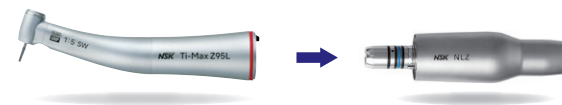
	NLZ	NLZ E
General Application Function	○	○
Rotary Endo Mode Function	—	○
Recipro Endo Mode Function	—	*○

\*The "Reciprocating Endo Mode" can be operated only with the NLZ Endo Contra-angle handpiece and WAVEONE® file.

## SAFETY FUNCTIONS

### Contra-Check Function (Proprietary to NSK)

"Contra-Check Function" helps detect abnormalities caused by deterioration of the electric attachment and insufficient maintenance before use. Our advanced function is the result of NSK's relentless pursuit of safe treatment. \*NSK's Ti-Max Z, X and S-Max M electric attachments are compatible with "Contra-Check Function".



### For Safer and More Efficient Endodontic Treatment

In addition to the Auto Reverse and Auto Stop functions, a wide range of new features are incorporated for safer and more efficient endodontic treatment.

### Reciprocating specialist electric attachment

Newly developed reciprocating specialist electric attachment NLZ Endo. Building on our existing handpiece development technology, we have succeeded in reducing the movement loss during reciprocating operations. As a result, it is possible to correctly transmit reciprocating actions for a smooth endodontic treatment.



## NLZ Endo



- Max Speed : 1,000 min<sup>-1</sup>  
(Input Max Rotation Speed of the Motor : 6,000 min<sup>-1</sup>)
- Engine Files (ø2.35) \*For Rotary Endo mode
- Wave-One Reciprocating Files (ø2.35)  
\*For Recipro Endo Mode
- Push Button Chuck

	Optic	MODEL	ORDER CODE
<b>6:1 Reduction</b>	—	<b>NLZ Endo</b>	<b>C1130</b>

# NLX nano

## Electric Micromotor Portable System

- Speed : 2,000 – 40,000 min<sup>-1</sup>, Torque : 3.4 Ncm



### Contents

- NLX nano U (Control Unit)
- NLX nano (Motor)
- NLX CD (Cord) • NLAC (AC Adaptor)

### Specifications (Control Unit)

- Rated Input : AC 28 V 50/60 Hz
- Dimensions : W 127 x D 149 x H 54 mm
- Weight : 517 g

Optic	MODEL	ORDER CODE
●	NLX nano S230	Y1001362

## Electric Micromotor Integrated System

- Speed : 1,000 – 40,000 min<sup>-1</sup>, Torque : 3.4 Ncm



Please contact NSK dealer for installation inquiry

## A New Generation of Micromotor as Well Balanced as an Air Turbine

NLX nano has been designed to minimize weight and size to improve the balance of instrument and motor in the hand of the clinician, reducing fatigue during prolonged procedures.

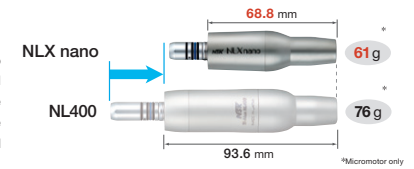
Despite its small size and light weight, the NLX nano is as powerful as traditional micromotors and offers wider range of speeds. Its 180° Vector Control assures smooth and stepless control over the entire speed range.

Thanks to LED illumination, it now delivers 32,000 LUX, natural daylight quality light and assures clearer vision, reducing fatigue during operation.

Feel our quality of NLX nano micromotor.

## More Than 25% Shorter and 20% Lighter

Thanks to NSK know how, NLX nano has been designed to reduce weight by 20% and size by more than 25% compared with the current NSK micromotor. Despite its smaller size and lighter weight, NLX nano is as powerful and offers the same speed range as the current brushless NSK clinical micromotors.



## Perfect Balance

The balance of the motor and instrument combined has been dramatically improved as the weight and size of NLX nano has been reduced drastically.

The overall length of instrument and NLX nano micromotor are almost the same as the length of air turbines and couplings, thus enabling practitioners use contra-angles and NLX nano micromotors just like the use of air turbines.



## Wider Clinical Applications

NLX nano covers a wide speed range and is compatible with your existing optic and non-optic contra-angles. Combined with a wide range of contra-angles, it covers a speed range of 100 – 200,000 min<sup>-1</sup>, to make it suitable for any applications.

	100	1,000	2,000	2,500	10,000	40,000	200,000
Z10L 16:1				100-2,500 min <sup>-1</sup>			
Z25L 1:1					2,000-40,000 min <sup>-1</sup>		
Z95L 1:5							10,000-200,000 min <sup>-1</sup>



Contra-angles



### NLX nano

- System : 180° Vector Control System
- Motor Type : Sensorless DC Brushless Micromotor
- Motor Speed : 2,000 – 40,000 min<sup>-1</sup> (NLX nano U)  
: 1,000 – 40,000 min<sup>-1</sup> (NLX BF)
- Torque : Max. 3.4 Ncm
- Weight : 61 g (micromotor only)
- Light : White LED



# NLX plus

## Electric Micromotor Integrated System

- Speed : 100 – 40,000 min<sup>-1</sup>, Torque : 4.0 Ncm, with Endo Function
- Internal Water Spray
- BRUSHLESS

### Features

- Torque control & Auto reverse feature  
3 working modes: Auto-reverse on, Auto-stop or Auto-reverse off
- Autoclavable titanium body
- LED illumination
- Installable built-in type conforms to most dental equipments by employing original NLX BF power module



Please contact NSK dealer for installation inquiry

# NBX

## Electric Micromotor Integrated System

- Speed : 60 – 40,000 min<sup>-1</sup>
- Internal Water Spray
- BRUSH



Please contact NSK dealer for installation inquiry

# M40 XS

## Features



- Quiet smooth operation from 60 to 40,000 min<sup>-1</sup>
- Minimal heat generation
- Compact and light coreless electric micromotor
- LED illumination is incorporated inside the optic micromotor (M40 XS)
- Titanium body with Scratch Resistant DURACOAT



- Made Shorter and Lighter for Perfect Balance
- Advantages of using - LED light
- Ergonomic Shape
- Internal Water Spray
- Brush

Optic	MODEL	ORDER CODE
●	<b>M40 XS</b>	<b>E1135051</b>
—	<b>M40N XS</b>	<b>E1136051</b>

# Multi Pad

## Multi-Control Panel for Built-in System

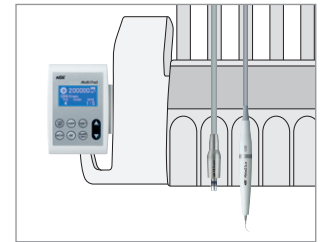


## Integrated into Existing Equipment with The Latest Leading Edge Technology

NSK's Multi Pad uniquely enables control of the NLX nano and NLX plus electric micromotors and the Varios 170 ultrasonic scaler in one system. When partnered with Multi Pad, the NLX nano reaches speeds of 1,000 - 40,000 min<sup>-1</sup> and delivers a powerful 3.4 Ncm torque, whilst the NLX plus additionally offers 3 user-friendly endo modes; auto-reverse on, auto-stop and auto-reverse off. NSK's Multi Pad can also be used to control all functions of the Varios 170 ultrasonic scaler.

### Features

- User friendly LCD display and interface to select settings.
- Visual identification on the display is possible even during operation of the handpiece.
- Up to 8 programs (motor only).
- Supports 5 languages (English, Español, Italiano, Français and Deutsch).



### The Integrated System

Electric Micromotor Integrated System (NLX BF) and Multi Function Ultrasonic Scaler (Varios 170) can be controlled with the system.



- Multi Pad Unit
- Angle Plate (Mounting bracket)
- Screws

## Multi Pad Complete Sets

MODEL	ORDER CODE
Multi Pad AX (Auto Select)	Y1001846

### Specifications

• Input voltage	: DC + 12 V
• Input connect	: 100 mA
• Max. output power	: 1.2 W
• Dimensions	: W 95 x D 138 x H 31 mm

# Air Motor



## Ti-Max X205L

Shorter and Lighter - Ergonomic Comfort & Improved Balance



### Advantages

- Shorter and lighter unsurpassed balance Air motor
- 360° Swivel with LED illumination (32,000 LUX)

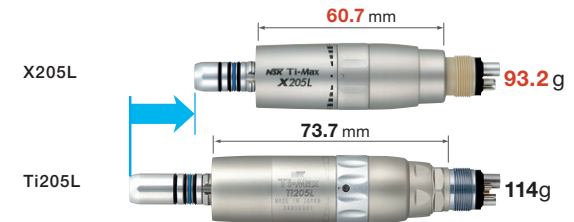


- 360° Swivel with LED illumination
- 32,000 LUX
- Titanium body with scratch-resistant DURACOAT
- Non-Retraction Valve
- Max Speed: 23,000 min<sup>-1</sup> ±10%
- Internal Water Spray



Optic	MODEL	ORDER CODE
●	X205L	M1013

Reduced Size and Weight for Unsurpassed Balance



# S-Max M205



Optic	MODEL	ORDER CODE
—	<b>M205</b>	<b>M1007</b>



- Stainless Steel Body
- Non-Retraction Valve
- Midwest 4 hole
- Max Speed: 22,000 min<sup>-1</sup> ±10%
- Internal Water Spray

# FX205



Optic	MODEL	ORDER CODE
—	<b>FX205 M4</b>	<b>M1005002</b>



- Midwest 4 hole
- Max Speed: 22,000 min<sup>-1</sup> ±10%
- External Water Spray



- Borden 2 hole
- Max Speed: 25,000 min<sup>-1</sup> ±10%
- External Water Spray

Optic	MODEL	ORDER CODE
—	<b>FX205 B2</b>	<b>M1006002</b>

## Air Motor Set



- Midwest 4 hole



- Borden 2 hole



- Midwest 4 hole



- Borden 2 hole

Optic	MODEL	ORDER CODE
—	<b>FX205 M4 Set</b>	<b>Y1002665</b>

### Contents

- Air Motor (FX205)
- Straight handpiece (FX65)
- Contra-angle handpiece (FX23)

Optic	MODEL	ORDER CODE
—	<b>FX205 B2 Set</b>	<b>Y1002666</b>

### Contents

- Air Motor (FX205)
- Straight handpiece (FX65)
- Contra-angle handpiece (FX23)

Optic	MODEL	ORDER CODE
—	<b>FX205 M4 / FX22 Set</b>	<b>Y1003590</b>

### Contents

- Air Motor (FX205)
- Straight handpiece (FX65)
- Contra-angle handpiece (FX22)

Optic	MODEL	ORDER CODE
—	<b>FX205 B2 / FX22 Set</b>	<b>Y1003589</b>

### Contents

- Air Motor (FX205)
- Straight handpiece (FX65)
- Contra-angle handpiece (FX22)

# Student Kit



## Motor Straight Handpiece

FX65



FX205



FX23+PAF SU(Push button)



FX22+PAF SU(Push button)



FX22+PAF S(wrench)

## FX205/FX65+FX23+PAF SU(Push button)

### Contra-angle (FX Series)



FX23

### Air Turbine (PanaAir FX) Push Button type



Head	MODEL	ORDER CODE
Standard	PRO PAF SU M4 FX23 KIT	Y1003601
Standard	PRO PAF SU B2 FX23 KIT	Y1003599

## FX205/FX65+FX22+PAF SU(Push button)

### Contra-angle (FX Series)



FX22

### Air Turbine (PanaAir FX) Push Button type



Head	MODEL	ORDER CODE
Standard	PRO PAF SU M4 FX22 KIT	Y1005397
Standard	PRO PAF SU B2 FX22 KIT	Y1003595

## FX205/FX65+FX22+PAF S(wrench)

### Contra-angle (FX Series)



FX22

### Air Turbine (PanaAir FX) wrench type



Head	MODEL	ORDER CODE
Standard	PRO PAF S M4 FX22 KIT	Y1003593
Standard	PRO PAF S B2 FX22 KIT	Y1003591



ORAL HYGIENE

# Varios Combi Pro



## Two Maintenance Systems in One

Combining ultrasonic scaling and powder therapy for more effective and comfortable oral hygiene and biofilm control.



**Innovative New Design Enables Clinicians to Safely and Efficiently Combine Two Applications**

### Two Systems in One

NSK has combined ultrasonic treatment and powder therapy into a single professional treatment unit that streamlines procedures and saves time and space.

### Automatically Sets Powder Therapy Functions for Supragingival or Subgingival Applications

The clinician simply attaches the relevant powder chamber, and the unit automatically selects the functions for supragingival or subgingival applications. This prevents selection errors.

### Independent Unit and Chamber

The detachable chamber and handpiece make it possible to easily switch between supragingival and subgingival applications and make the unit extremely user and maintenance friendly.

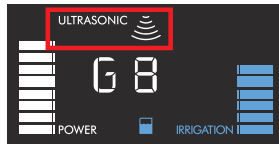
### Keeps Both Powder Types Separate

Separate chambers, handpieces, and handpiece hoses for supragingival and subgingival procedures eliminate the risk of powder mixing or powder entering the control unit.

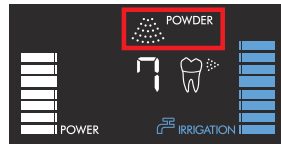
## Optimizing Manoeuvrability

### Automatic Switching from Ultrasonic to Powder Function

An automatic recognition sensor switches from ultrasonic to powder function when a handpiece is picked up from the holder.



<During Ultrasonic function>

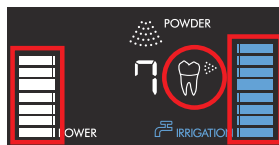


<During Powder function>

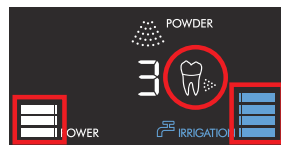
### Store Previous Settings

The system memory can store such treatment parameters as water volume, air pressure and ultrasonic power settings. Simply pick up the handpiece to switch settings.

\*For powder functions, settings change when replacing the chamber.



<When using Supragingival>



<When using Subgingival>

### Auto-cleaning function

Auto-cleaning automatically cleans the handpiece and hose after powder or ultrasonic applications. During the cleaning cycle, the display shows the time remaining to complete the process which takes approximately 45 seconds from start to finish.



### Multi-Foot Control

Just using the foot the user can switch ultrasonic or powder modes on or off and change power settings. Combined with a hanger, this offers complete hands-free operations.



## ULTRASONIC

### A Slim Highly-ergonomic LED Handpiece

The ø9.5 mm slim tip of the Varios LUX handpiece makes it easy to operate throughout the entire oral cavity. The slim handpiece facilitates a smooth approach to difficult to access areas such as the molars. This provides freedom of movement in the oral cavity allowing the tip to be applied at the correct angle. The easy to grip ultra-light handpiece reduces strain on the hands and fingers. With a wide spectrum of close to natural light LED illumination, the view is always bright with high recognition capability.



### A wide choice of tips

NSK offers more than 80 tips to optimize treatment in various clinical procedures.

## iPiezo engine®

### The Unique Ultrasonic AI engine Responds Intelligently

"I'd like to be better at scaling", "I'd like an easier way to remove deposits"

We carefully considered the opinions of clinicians in the development of our unique next-generation AI ultrasonic engine which is at the heart of the NSK ultrasonic series. The actions of the operator are transmitted accurately to the tip, as if it were an extension of the hand. This allows treatment to match tooth surface conditions. The result is faster and gentler treatment for patients and at the same time eco friendly as it operates efficiently with low power consumption.

### Feedback Function

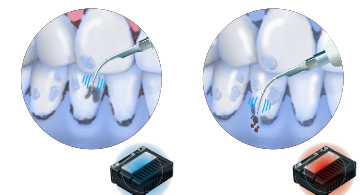
The NSK iPiezo engine supplies the appropriate power to the tip depending on the condition of the tooth surface. iPiezo engine provides a stable frequency output without dropping the power, even when removing hard calculus.

### Auto Tuning Function

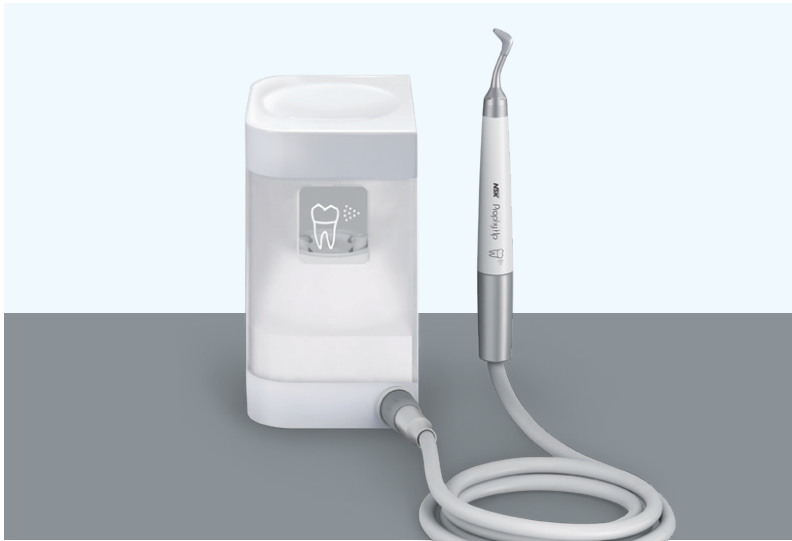
The Auto Tuning Function provides stable frequency to the tip at the selected power range. It allows the operator to feel the power output which ensures the optimum result.

### Allows for Steady Scaling

Conventional ultrasonic scalers lose power when moving from soft to hard tartar. The load on the end of the tip is automatically detected by the action of the iPiezo engine allowing for steady scaling without power-loss.

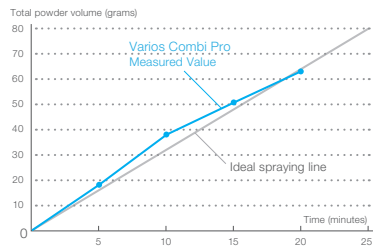






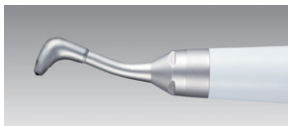
## POWDER PROPHY-SYSTEM

Powder Therapy to Clean Supragingival Areas Efficiently and Quickly



### Stable powder spraying

NSK's expertise in fluid analysis techniques, gained through developing turbines, optimize powder flows inside the chamber, streamlining sprays of powder, water and air to significantly shorten chair times.



### User-friendly handpiece and nozzle

The slim handpiece provides excellent accessibility and manoeuvrability



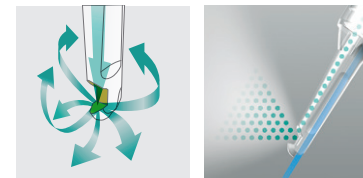
### Fast and effective therapy

Clinicians can clean teeth quickly with NSK's FLASH pearl powder. NSK FLASH pearl consists of fine spherical shaped calcium-based particles which remove stains and plaque.



## POWDER PERIO-SYSTEM

The Powder Spray Gently Cleans Subgingival Areas



### Gentle on soft tissue

Separating powder and water during application prevents periodontal damage. Powder flow is directed in all directions to remove subgingival plaque.



### Safe plastic nozzle

Because the nozzle tip is flexible, it can follow tooth contours and is easy to insert into pockets thereby minimizing patient discomfort. The material is semi-transparent to help with visibility. The nozzle tips are sterile and individually packaged so they are ready to use.

### Wide range of applications

Applications range from quick biofilm removal to cleaning around dental implants and periodontal pockets. With the nozzle tip removed, clinicians can remove plaque from subgingival pockets of up to 3 mm.

# Varios Combi Pro



## Varios Combi Pro Basic Set

MODEL	ORDER CODE
<b>Varios Combi Pro Basic Set</b>	<b>Y1002843</b>

### Contents

- PROPHY-Handpiece with 60° Nozzle
- PROPHY-Hose
- PROPHY-CHAMBER
- FLASH pearl (5 pcs. x 15 g sachets)
- Maintenance kit
- VA2LUX-Handpiece
- VA2LUX-Hose
- 3 Scaling tips
- Sterilization case
- Irrigation bottle (400 mL)
- Foot control

### Specifications

- Power Supply : AC 100-240 V 50/60 Hz
- Frequency : 28-32 kHz
- Dimensions : W 225 x D 290 x H 162 mm (including chamber)
- Unit weight : 2,6 kg (Except attachment)
- Bottle volume : 400 mL

## OPTION



MODEL	ORDER CODE
<b>Varios Combi Pro Perio Set</b>	<b>Y1003042</b>

### Contents

- PERIO-CHAMBER
- PERIO-Hose
- PERIO-Handpiece
- Perio Mate Nozzle tip
- Perio Mate Nozzle tip remover
- Perio Mate powder

## The Smart Compact Design Provides High-performance

### Large LED Display

The large LED display has a 10 stage numeric power display and bar graph to show the irrigation volume. Beyond this, intuitive layout of operating keys minimize user errors. Power adjustment and function selection can be performed easily and reliably.



### Large Solution Bottles

The two bottles can be placed and removed easily and can be used for any type of irrigation to complement treatment. Large 400 mL bottles deliver ample irrigation capacity and reduced chair time. Repeated tests of our components and material studies ensure high durability even when used extensively with antiseptic irrigation solutions.



### Improved Durability Against Antiseptic Solutions

The introduction of the resin based water pipe of the bottle, pump and handpiece, assures dramatically improved durability as it substantially reduces the corrosion and rust caused by the residuum of antiseptic solutions.



### Auto Cleaning Mode

The Auto Cleaning Mode flushes the tubing, handpiece and tips at the push of a button when required. The two channels can be flushed independently.



# Varios 970



### Varios 970 Complete Sets

Optic	MODEL	ORDER CODE
●	VA970 LUX (230V)	Y1001168
—	VA970 (230V)	Y1001175
●	VA970 LUX (120V)	Y1001166
—	VA970 (120V)	Y1001174

### Contents

- Control unit • Handpiece • Handpiece cord • 3 Scaling tips (G4, G8, G16) • Foot control (FC-70)
- 2 x Irrigation bottles • 3 x Tip wrench with torque limiter • AC power cord • Sterilization case

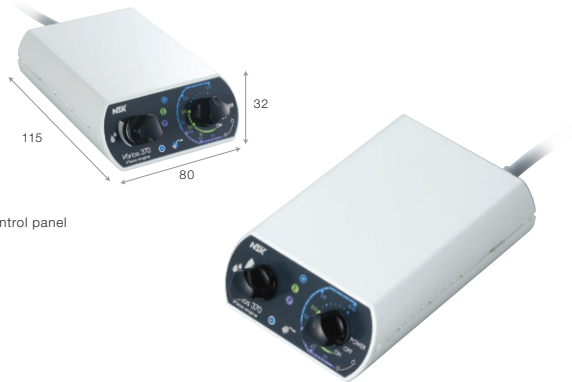
### Specifications

- Power Supply : AC 120 or 230 V 50/60 Hz
- Frequency : 28-32 kHz
- Max. output : 11 W (G mode)
- Dimensions : W 160 x D 270 x H 190 mm (Including Bottle)
- Unit weight : 2.1 kg (Except attachment)
- Bottle volume : 400 mL (x 2 bottles)

# Varios 370

## Compact Multipurpose Control Unit at Your Fingertips

Varios 370 has been especially developed to offer a compact, portable control unit allowing easy installation into any dental unit. It is simple to operate and suitable for a variety of clinical procedures.



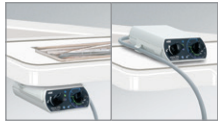
### Advantages

- Powered by iPiezo engine
- Potable ultra compact body
- Simple and intuitive operation control panel

## Varios 370 Units Installation Examples



On the dental console arm with Stand (optional).



On/Under the dental bracket table with Control Unit Holder



## Varios 370 Complete Set

Optic	MODEL	ORDER CODE
●	VA370 LUX (120V)	Y1001956
●	VA370 LUX (230V)	Y1001343
—	VA370 (120V)	Y1001958
—	VA370 (230V)	Y1001340

### Contents

- Control unit with handpiece cord
- Control unit holder
- AC adaptor
- Handpiece
- Handpiece holder
- Water filter set
- Foot control (FC-71)
- 3 Scaling tips
- Tip wrench with torque limiter

### Specifications

- Power Supply : AC 100-240 V 50/60 Hz
- Frequency : 28-32 kHz
- Max. output : 11 W (G mode)
- Dimensions : W 80 x D 115 x H 32 mm (without knob and cord)
- Unit weight : 0.43 kg (without attachment)

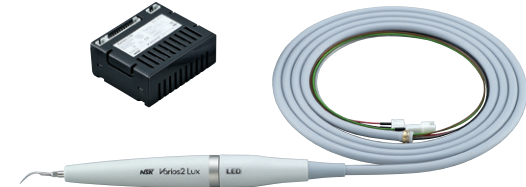
# Varios 170

## Integrated Multi Function Ultrasonic Scaler

Varios 170 is the world's smallest built-in optic control module.

It features the NSK iPiezo engine which ensures stable power output all the times.

The slimmer and extremely lightweight handpiece with twin LED is easily added to the existing handpiece delivery unit and is controlled via the existing foot control.



### Sterilization Case

The handpiece, tips and tip wrenches can be sterilized together for your convenience.



## Varios 170 Complete Sets

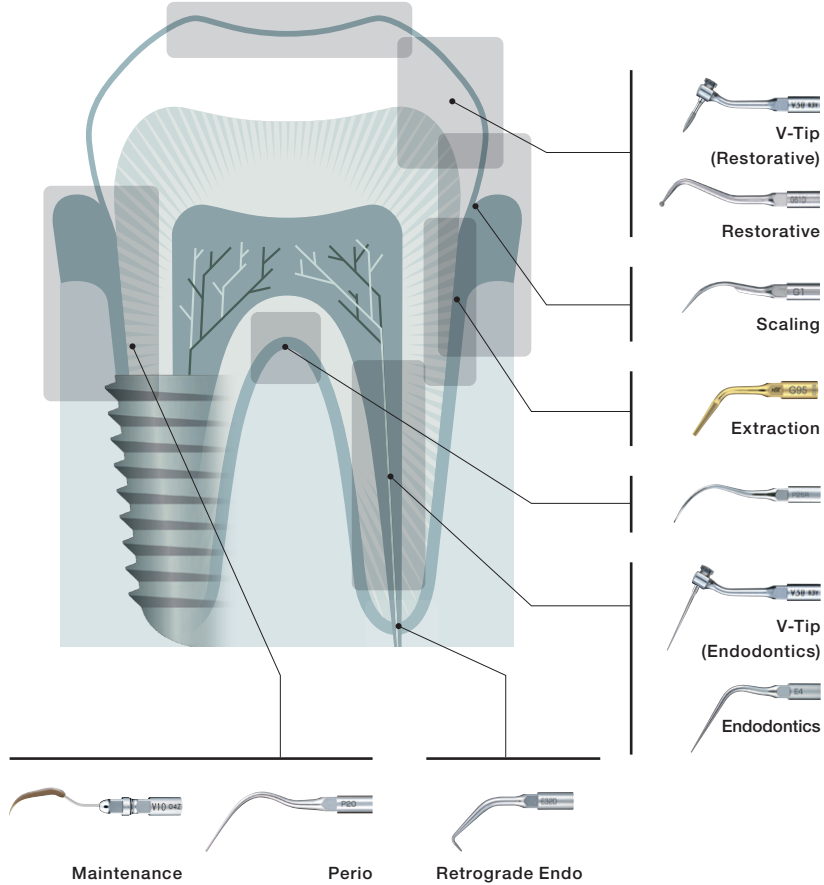
Optic	MODEL	ORDER CODE	CONTENTS
●	VA170LUXS1	Y1001351	<ul style="list-style-type: none"> <li>• Built in module</li> </ul>
—	VA170S1	Y1001352	<ul style="list-style-type: none"> <li>• Handpiece</li> <li>• Handpiece cord</li> </ul>
●	VA170LUXS2	Y1001441	<ul style="list-style-type: none"> <li>• 3 Scaling tips (G4, G6, G8)</li> </ul>
—	VA170S2	Y1001442	<ul style="list-style-type: none"> <li>• 3 x Tip replacement wrench with torque limiter</li> <li>• Sterilization case</li> </ul>
●	VA170LUX NAS	Y1001916	<ul style="list-style-type: none"> <li>• Built in module</li> <li>• Handpiece</li> </ul>
—	VA170 NAS	Y1001898	<ul style="list-style-type: none"> <li>• Handpiece cord</li> <li>• 3 Scaling tips (G2, G4, G6)</li> <li>• 1 x Tip replacement wrench with torque limiter</li> </ul>

### Specifications

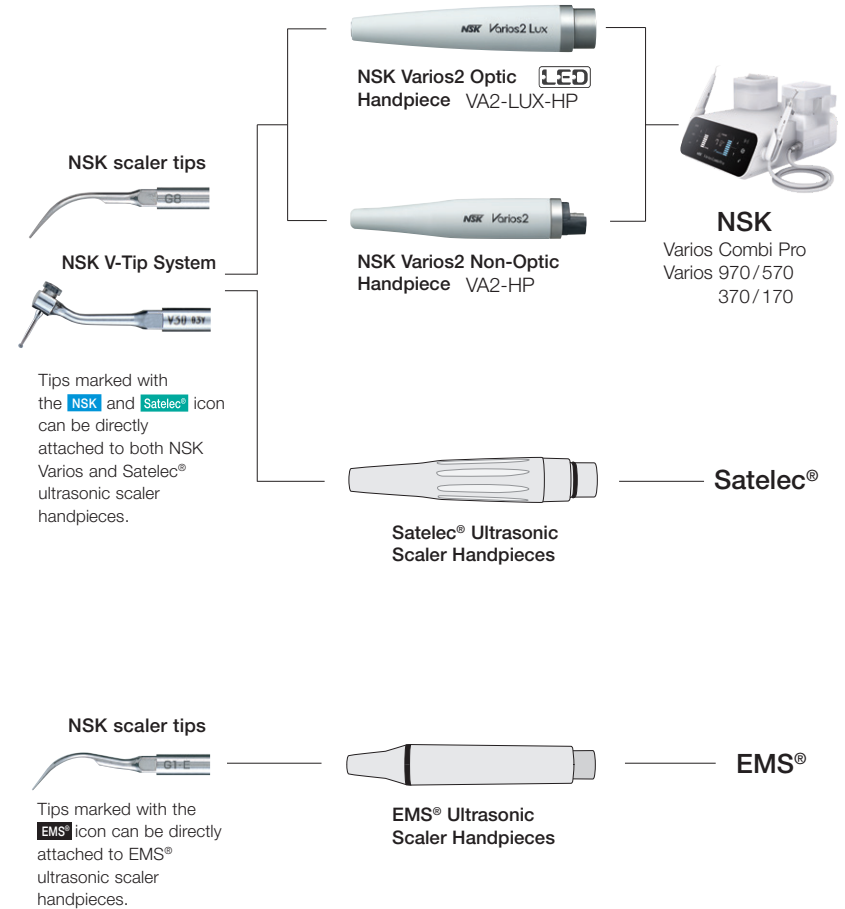
- Power Supply : AC 24 V ±10%
- Frequency : 28-32 kHz
- Max. output : 11 W
- Dimensions : W 63 x D 54 x H 26 mm
- Module weight : 59 g

# Ultrasonic Scaler Tips

NSK Offers a Wide Choice of Varios Ultrasonic Scaler Tips for Clinical Applications.



NSK tips fit Varios2 ultrasonic scaler handpieces as well as Satelec® ultrasonic scaler handpieces. NSK make a number of tips which will fit on EMS® ultrasonic scaler handpieces. The following is a guide to illustrate all NSK Varios tips, their applications and connectivity.



Scaling

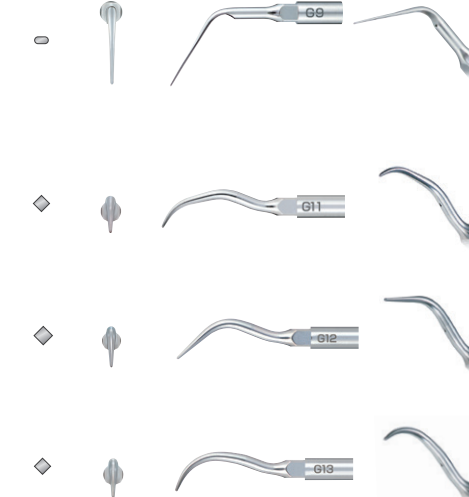
Cross Section Diagram



MODEL	ORDER CODE
<b>NSK Satelec®</b> G1	Z217101
<b>EMS®</b> G1-E	Z291101
<b>Scaling G1 Pack Contents G1 6pcs</b>	
MODEL	ORDER CODE
<b>NSK Satelec®</b> G2	Z217102
<b>EMS®</b> G2-E	Z291102
MODEL	ORDER CODE
<b>NSK Satelec®</b> G3	Z217103
<b>EMS®</b> G3-E	Z291103
MODEL	ORDER CODE
<b>NSK Satelec®</b> G4	Z217104
<b>EMS®</b> G4-E	Z291104
<b>Scaling G4 Pack Contents G4 6pcs</b>	
MODEL	ORDER CODE
<b>NSK Satelec®</b> G5	Z217105
MODEL	ORDER CODE
<b>NSK Satelec®</b> G6	Z217106
<b>EMS®</b> G6-E	Z291106
<b>Scaling G6 Pack Contents G6 6pcs</b>	
MODEL	ORDER CODE
<b>NSK Satelec®</b> G8	Z217108
<b>Scaling G8 Pack Contents G8 6pcs</b>	

Scaling

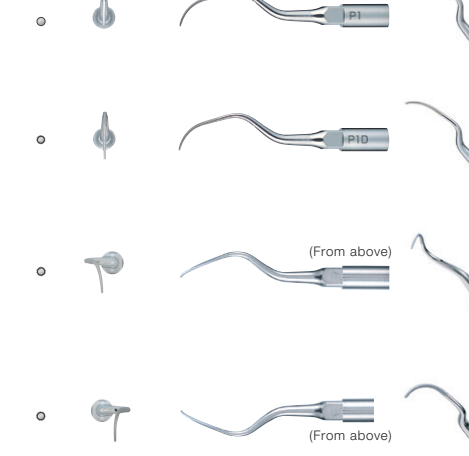
Cross Section Diagram



MODEL	ORDER CODE
<b>NSK Satelec®</b> G9	Z217109
<b>Scaling G9 Pack Contents G9 6pcs</b>	
MODEL	ORDER CODE
<b>NSK Satelec®</b> G11	Z217411
MODEL	ORDER CODE
<b>NSK Satelec®</b> G12	Z217412
MODEL	ORDER CODE
<b>NSK Satelec®</b> G13	Z217413

Perio (Root Planing)

Cross Section Diagram



MODEL	ORDER CODE
<b>NSK Satelec®</b> P1	Z217404
MODEL	ORDER CODE
<b>NSK Satelec®</b> P1D	Z217405
• Diamond coated	
MODEL	ORDER CODE
<b>NSK Satelec®</b> P2D	Z217402
• Diamond coated • Right curved type	
MODEL	ORDER CODE
<b>NSK Satelec®</b> P3D	Z217403
• Diamond coated • Left curved type	

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



Washable in the thermodisinfectant



Autoclavable up to 135°C





Washable in the thermodisinfectant



Autoclavable up to 135°C

Perio (Root Planing)

Cross Section Diagram






MODEL	ORDER CODE
<b>NSK Satelec®</b> P10	<b>Z217410</b>

- Sharp edge

---

Cross Section Diagram






MODEL	ORDER CODE
<b>NSK Satelec®</b> P11R	<b>Z217408</b>

- Sharp edge • Right curved type

---

Cross Section Diagram






MODEL	ORDER CODE
<b>NSK Satelec®</b> P11L	<b>Z217409</b>

- Sharp edge • Left curved type

---



Cross Section Diagram

MODEL	ORDER CODE
<b>NSK Satelec®</b> P20	<b>Z217420</b>
<b>EMS®</b> P20-E	<b>Z291420</b>

---

Cross Section Diagram






MODEL	ORDER CODE
<b>NSK Satelec®</b> P21R	<b>Z217422</b>
<b>EMS®</b> P21R-E	<b>Z291422</b>

- Right curved type

---

Cross Section Diagram

MODEL	ORDER CODE
<b>NSK Satelec®</b> P21L	<b>Z217421</b>
<b>EMS®</b> P21L-E	<b>Z291421</b>

- Left curved type

Perio (Root Planing)

Cross Section Diagram




MODEL	ORDER CODE
<b>NSK Satelec®</b> P25R	<b>Z217424</b>
<b>EMS®</b> P25R-E	<b>Z291424</b>

- Right curved type

---

Cross Section Diagram




MODEL	ORDER CODE
<b>NSK Satelec®</b> P25L	<b>Z217425</b>
<b>EMS®</b> P25L-E	<b>Z291425</b>

- Left curved type

---

Cross Section Diagram




MODEL	ORDER CODE
<b>NSK Satelec®</b> P26R	<b>Z217426</b>

- Right curved type

---

Cross Section Diagram




MODEL	ORDER CODE
<b>NSK Satelec®</b> P26L	<b>Z217427</b>

- Left curved type

Perio (Irrigation and Cleaning)

Cross Section Diagram




MODEL	ORDER CODE
<b>NSK Satelec®</b> P40	<b>Z217550</b>

- Tip diameter ø0.6 mm

---

Cross Section Diagram




MODEL	ORDER CODE
<b>NSK Satelec®</b> P41	<b>Z217555</b>

- Tip diameter ø0.8 mm

**Maintenance (V-Tip)**  
**Perio-Control**



MODEL	ORDER CODE
<b>V10</b>	<b>Z217041</b>

- Includes E-Tip replacement wrench
- Plastic Tip is not included

For the maintenance of prostheses and implants. Produced from special material to allow safe debridement without causing damage to metals and implants.

Cross Section Diagram



MODEL	ORDER CODE
<b>V-P10</b>	<b>Y900184</b>

- Pack of 3
- V10 holder is not included

V-P12 is a longer version of the popular V-P10 tip. It serves a wide range of applications, including the maintenance of implants and other prosthetic devices. Its shape offers easy access to all treatment areas.



MODEL	ORDER CODE
<b>V-P12</b>	<b>Y1002167</b>

- Pack of 3
- V10 holder is not included



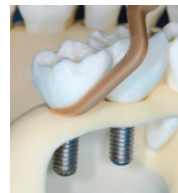
V-P10



V-P12



V-P11R



V-P26R

**Maintenance (V-Tip)**

V-P11R/L left and right are double bent tips. This tip is extra long to easily access difficult to reach areas and to avoid interference with neighbouring teeth or contours. Its shape was designed to best fit different tooth morphologies, making this a versatile tip for a wide range of uses from anterior teeth to premolars.

Cross Section Diagram



MODEL	ORDER CODE
<b>V-P11R</b>	<b>Y1002165</b>

- Right curved type • Pack of 3
- V10 holder is not included



MODEL	ORDER CODE
<b>V-P11L</b>	<b>Y1002166</b>

- Left curved type • Pack of 3
- V10 holder is not included

V-P26R/L is a double-bent tips. The wide angles offer access to areas that cannot be reached with V-P11R/L tips or other conventional instruments. These tips are ideally suited to access the distal surfaces of molars and corner areas as, the end of the tip fits tooth morphology very closely.



MODEL	ORDER CODE
<b>V-P26R</b>	<b>Y1002168</b>

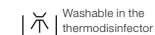
- Right curved type • Pack of 3
- V10 holder is not included



MODEL	ORDER CODE
<b>V-P26L</b>	<b>Y1002169</b>

- Left curved type • Pack of 3
- V10 holder is not included

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.





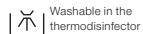
Endodontics

Cross Section Diagram				MODEL	ORDER CODE
				<b>NSK</b> Satelec®	<b>E4</b> <b>Z217428</b>
					• For root canal cleaning
				MODEL	ORDER CODE
				<b>NSK</b> Satelec®	<b>E4D</b> <b>Z217528</b>
					• Diamond coated • For root canal enlargement
			MODEL	ORDER CODE	
			<b>NSK</b> Satelec®	<b>E5</b> <b>Z217305</b>	
				• Water not required • For lateral condensation	
			MODEL	ORDER CODE	
			<b>NSK</b> Satelec®	<b>E6</b> <b>Z217306</b>	
				• Water not required • For lateral condensation	
			MODEL	ORDER CODE	
			<b>NSK</b> Satelec®	<b>E7</b> <b>Z217307</b>	
				• Water not required • For removal of filling and foreign material	
			MODEL	ORDER CODE	
			<b>NSK</b> Satelec®	<b>E7D</b> <b>Z217317</b>	
				• Diamond coated • For enlargement of root canal wall	

Endodontics

Cross Section Diagram				MODEL	ORDER CODE
				<b>NSK</b> Satelec®	<b>E8</b> <b>Z217308</b>
				• Water not required • For removal of filling and foreign material	
			MODEL	ORDER CODE	
			<b>NSK</b> Satelec®	<b>E8D</b> <b>Z217318</b>	
				• Diamond coated • For enlargement of root canal wall	
			MODEL	ORDER CODE	
			<b>NSK</b> Satelec®	<b>E15D</b> <b>Z217319</b>	
				• Diamond coated • For locating root canals and removal of calcifications	

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



Washable in the thermodisinfecteur



Autoclavable up to 135°C

\* For tips E5, E6, E7, E7D, E8, and E8D, please use the attached E Tip Replacement Wrench.



Washable in the thermodisinfecteur



Autoclavable up to 135°C

Endodontics

120° Angle Holder for U files



MODEL	ORDER CODE
<b>E11</b>	<b>Z217031</b>

- For U files (ø0.8 mm)
- For root canal cleaning
- For anterior teeth • File is optional

95° Angle Holder for U files



MODEL	ORDER CODE
<b>E12</b>	<b>Z217032</b>

- For U files (ø0.8 mm)
- For root canal cleaning
- For posterior teeth
- File is optional



MODEL	ORDER CODE
<b>U files 33 mm ISO 15 Y900062</b>	

- ISO 15 • Pack of 6

MODEL	ORDER CODE
<b>U files 33 mm ISO 20 Y900063</b>	

- ISO 20 • Pack of 6

MODEL	ORDER CODE
<b>U files 33 mm ISO 25 Y900064</b>	

- ISO 25 • Pack of 6

MODEL	ORDER CODE
<b>U files 33 mm ISO 30 Y900065</b>	

- ISO 30 • Pack of 6

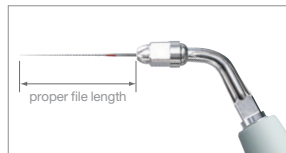
MODEL	ORDER CODE
<b>U files 33 mm ISO 35 Y900066</b>	

- ISO 35 • Pack of 6

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench.  
Replacement wrench is not included when ordering other tips.  
Please order the replacement wrench separately in this instance.

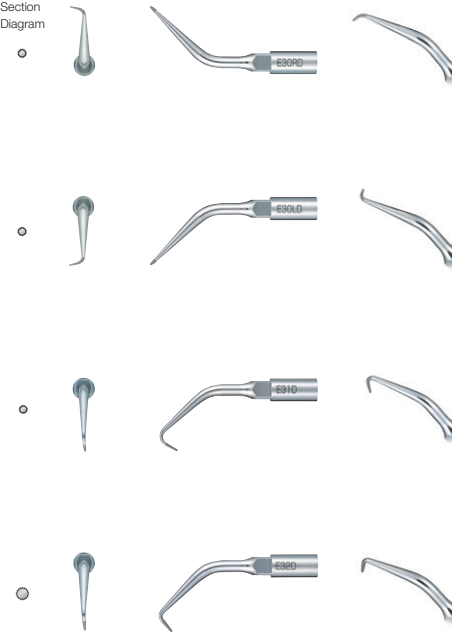
Always refer to this reference chart to ensure correct and accurate proper file length to avoid file breakage.

	#15	#20	#25	#30	#35
E11	22 mm	24.5 mm	22 mm	22 mm	22 mm
E12	22 mm	24.5 mm	24.5 mm	24.5 mm	22 mm



Retrograde Endo

Cross Section Diagram



MODEL	ORDER CODE
<b>E30RD</b>	<b>Z217212</b>

- Diamond coated
- For posterior teeth (right angled)

MODEL	ORDER CODE
<b>E30LD</b>	<b>Z217213</b>

- Diamond coated
- For posterior teeth (left angled)

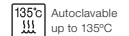
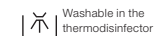
MODEL	ORDER CODE
<b>E31D</b>	<b>Z217210</b>

- Diamond coated
- For anterior and posterior teeth (70°)

MODEL	ORDER CODE
<b>E32D</b>	<b>Z217211</b>

- Diamond coated
- For anterior teeth (90°)

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



**Extraction**

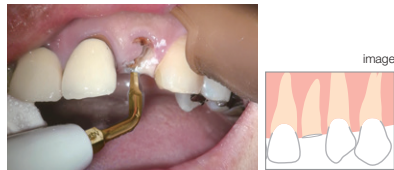
Because the tip and the bilateral edges of the G95 tip are sharp it can be inserted without applying excessive force. Furthermore, because the abrasion of the periodontal ligaments using the tip creates a space between the tooth root surface and alveolar bone, tooth extraction can be conducted without injuring the bone around the root.

**Features**

- Access to a surgical site is improved by thinning the tip apex shape and sharpening both edge flanks.
- Adhesion areas of periodontal membrane can be removed smoothly.
- Tooth removal can be performed smoothly so that patient discomfort can be reduced.
- Approaches from angles hard to reach with hand instruments are also possible.

**Root extraction  
(upper left No. 2 tooth removal)**

Tooth extraction is possible without excessively cutting the alveolar bone around the remaining root, retaining the morphology of the alveolar bone.



**Impacted tooth  
(lower left No. 8 tooth removal)**

The use of the tip prior to extraction will mobilise the tooth and make extraction easier.



Be careful not to apply excessive force, as in cases of using elevators.  
Nishikawa-guchi dental clinic

Cross Section Diagram

MODEL	ORDER CODE
<b>NSK G95</b>	<b>Z217705</b>

- TiN coating • 0.7 mm thick
- A double edge, which is sharp in three directions

**Restorative (For Minimal Intervention)**

MODEL	ORDER CODE
<b>NSK Satelec® G61D</b>	<b>Z217601</b>

- Diamond coated

MODEL	ORDER CODE
<b>NSK Satelec® G62D</b>	<b>Z217602</b>

- Diamond coated

MODEL	ORDER CODE
<b>NSK Satelec® G65D</b>	<b>Z217605</b>

- Diamond coated

MODEL	ORDER CODE
<b>NSK Satelec® G66D</b>	<b>Z217606</b>

- Diamond coated

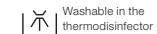
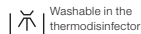
MODEL	ORDER CODE
<b>NSK Satelec® G67D</b>	<b>Z217607</b>

- Diamond coated

MODEL	ORDER CODE
<b>NSK Satelec® G68D</b>	<b>Z217608</b>

- Diamond coated

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



# Varios V-TIP System



NSK Varios V-Tip holder system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

## Endodontics V-Tip



NSK  
Satelec

MODEL	ORDER CODE
<b>V30</b>	<b>Z217030</b>

• Tip is optional

MODEL	ORDER CODE
<b>V-S50</b>	<b>Y900169</b>

• For root canal cleaning 17 mm • Pack of 3

MODEL	ORDER CODE
<b>V-S51</b>	<b>Y900170</b>

• For root canal cleaning 23 mm • Pack of 3

MODEL	ORDER CODE
<b>V-S52</b>	<b>Y900171</b>

• For root canal cleaning 26 mm • Pack of 3

MODEL	ORDER CODE
<b>V-S53</b>	<b>Y900172</b>

• For root canal cleaning 32 mm • Pack of 3

MODEL	ORDER CODE
<b>V-S50D</b>	<b>Y900173</b>

• Diamond coated  
• For root canal enlargement 17 mm • Pack of 3

MODEL	ORDER CODE
<b>V-S51D</b>	<b>Y900174</b>

• Diamond coated  
• For root canal enlargement 23 mm • Pack of 3

MODEL	ORDER CODE
<b>V-S52D</b>	<b>Y900175</b>

• Diamond coated  
• For root canal enlargement 26 mm • Pack of 3

MODEL	ORDER CODE
<b>V-S53D</b>	<b>Y900176</b>

• Diamond coated  
• For root canal enlargement 32 mm • Pack of 3



\* In order to reduce the incidence of ledge formation, there is no diamond coating on the end of the tip. (1.0 mm)

### Restorative

P120-121

• For Minimal Intervention

• For Finishing / Trimming / Polishing

• For Caries Removal

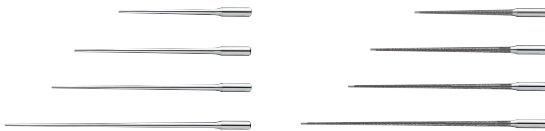


### Endodontics

P119

• For Root Canal Cleaning

• For Root Canal Enlargement



• Ni-Ti Irrigation



**V30**  
120° Angle type

### Maintenance

P110-111

• For Prostheses or Implant Maintenance  
Perio-Control



**V10**  
Straight

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

Restorative (For Minimal Intervention)



MODEL	ORDER CODE
<b>V30</b>	<b>Z217030</b>

• Tip is optional



MODEL	ORDER CODE
<b>V-G70</b>	<b>Y900118</b>

• Diamond coated • Pack of 3



MODEL	ORDER CODE
<b>V-G71</b>	<b>Y900119</b>

• Diamond coated • Pack of 3



MODEL	ORDER CODE
<b>V-G72</b>	<b>Y900120</b>

• Diamond coated • Pack of 3



MODEL	ORDER CODE
<b>V-G75</b>	<b>Y900121</b>

• Diamond coated • Pack of 3



MODEL	ORDER CODE
<b>V-G76</b>	<b>Y900122</b>

• Diamond coated • Pack of 3

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

Restorative (For Finishing / Trimming / Polishing)



MODEL	ORDER CODE
<b>V30</b>	<b>Z217030</b>

• Tip is optional



MODEL	ORDER CODE
<b>V-G77</b>	<b>Y900165</b>

• Diamond coated  
• Normal Grade • Pack of 3



MODEL	ORDER CODE
<b>V-G78</b>	<b>Y900166</b>

• Diamond coated  
• Fine Grade • Pack of 3



MODEL	ORDER CODE
<b>V-G79</b>	<b>Y900167</b>

• Diamond coated  
• Super Fine Grade • Pack of 3

Restorative (For Caries Removal)



MODEL	ORDER CODE
<b>V30</b>	<b>Z217030</b>

• Tip is optional



MODEL	ORDER CODE
<b>V-S1</b>	<b>Y900161</b>

• Stainless Tip • Pack of 3



MODEL	ORDER CODE
<b>V-S3</b>	<b>Y900162</b>

• Stainless Tip • Pack of 3



MODEL	ORDER CODE
<b>V-S33</b>	<b>Y900163</b>

• Stainless Tip • Pack of 3



Washable in the thermodisinfecteur



Autoclavable up to 135°C



Washable in the thermodisinfecteur



Autoclavable up to 135°C

Tip Kits

Application PERIO



MODEL	ORDER CODE
<b>NSK Satelec</b> Perio Kit A	<b>Y900144</b>

Contents

- P1D, P2D, P3D, P10 : 1 pc. each
- Tip holder : 1 pc.

Application PERIO

Furcation and curved root face



MODEL	ORDER CODE
<b>NSK Satelec</b> Perio Kit B	<b>Y900145</b>

Contents

- P20, P25R, P25L : 1 pc. each
- Tip holder : 1 pc.

Application MAINTENANCE

For Prostheses or Implant Maintenance



MODEL	ORDER CODE
<b>NSK Satelec</b> Perio-Control Tips Starter Kit	<b>Y1002606</b>

Contents

- V10 holder : 1 pc.
- V-P11R, V-P11L, V-P12, V-P26R, V-P26L : 1 pc. each
- E Tip replacement wrench : 1 pc.

Application ENDODONTICS

For anterior root canal irrigation



Includes 5 types of U files (ø0.8 mm) plus 120° angle holder

MODEL	ORDER CODE
<b>NSK Satelec</b> Endo Kit E11	<b>Y900146</b>

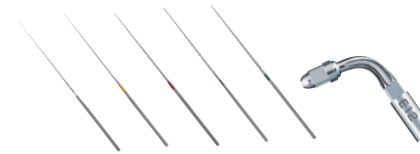
Contents

- E11 : 1 pc. 120° angle holder for anterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Tip Kits

Application ENDODONTICS

For posterior root canal irrigation



Includes 5 types of U files (ø0.8 mm) plus 95° angle holder

MODEL	ORDER CODE
<b>NSK Satelec</b> Endo Kit E12	<b>Y900147</b>

Contents

- E12 : 1 pc. 95° angle holder for posterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Application ENDODONTICS

4 kinds of Retrograde Root filling tips



MODEL	ORDER CODE
<b>NSK Satelec</b> Retro Kit	<b>Y900149</b>

Contents

- E30RD, E30LD, E31D, E32D : 1 pc. each
- Tip holder : 1 pc.

# Ti-Max S970



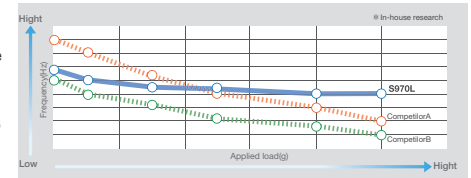
## Air Scaler Evolution Supporting a Broad Spectrum of Care

The S970 air scaler offers a wide power range with easy swivel power adjustment and an extensive tip range for a wide variety of applications ranging from general scaling and root canal irrigation to minimally invasive procedures. The wide range of applications, comfortable grip and ease of maintenance makes the S970 air scaler the instrument of choice for dentists and hygienists alike.

A titanium body and sleek, seamless design make the S970 really comfortable to hold even during long procedures whilst allowing for excellent visibility of the operating site at all times.

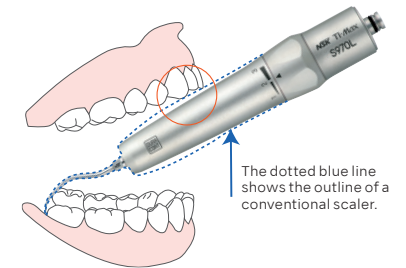
### Steady Power Supply to The Tip

S970 air scalers provide stable power output and constant oscillating movement across the entire power range at approximately 6,000 Hz. S970 air scalers are extremely gentle and therefore very popular in cases involving perio or high sensitivity.



### Excellent Visibility

The sleek design of the S970 allows for unrestricted visibility of the treatment area and excellent access to even the most hard to reach areas.



### Smooth and Easy Power Control Ring

NSK Power Ring offers three different power level settings for diverse clinical needs. While the gentle minimum mode is for delicate procedures, the maximum power mode is good for general scaling.



APPLICATIONS	TIPS	POWER RING SETTING		
		1	2	3
Scaling	S1, S2, S3	←→←→←→		
Perio	S10, S20, S21R, S21L	←→←→		
Perio (Maintenance Tip)	S35+V-Tip (V-P10, V-P11R, V-P11L, V-P12)	←→←→		
Restorative (For Preparation of crown cores)	S81D, S82D, S83D, S86D, S71D, S72D	←→←→		
Restorative (For Minimal Intervention)	S65D, S66D, S67D, S68D	←→←→		
V-TIP SYSTEM (Endodontics)	S75+V-Tip (V-U15-V-U35)	←→		

The above power level is standard. Please start use from a low level to correspond to the symptoms.

# Ti-Max S970



- Titanium Body with Scratch Resistant DURACOAT
- 3 level Power Ring
- Frequency of oscillation : 5,800-6,200 Hz
- Cellular Glass Optics



Includes 3 tips (S1, S2 & S3),  
Tip Wrench (CR-20) and  
Tip Cover (L)

**Connect to NSK Couplings**

Optic	MODEL	ORDER CODE
●	<b>S970L</b>	<b>T1005</b>
—	<b>S970</b>	<b>T1020</b>

**Connect Direct to KaVo® Coupling**

Optic	MODEL	ORDER CODE
●	<b>S970KL</b>	<b>T1013</b>

**Connect Direct to Sirona® Coupling**

Optic	MODEL	ORDER CODE
●	<b>S970SL</b>	<b>T1015</b>



# AS2000

- Frequency of oscillation : 5,600-6,000 Hz
- Includes 3 tips (S1, S2 & S3), Tip Wrench (CR-20) and Tip Cover (L)



Optic	MODEL	ORDER CODE
—	<b>AS2000 M4</b>	<b>T698</b>

- For Midwest 4 hole • Weight : 67 g



Optic	MODEL	ORDER CODE
—	<b>AS2000 B2/3</b>	<b>T697</b>

- For Borden 2/3 hole • Weight : 64 g

# Air Scaler Tips

## Scaling

Cross Section Diagram



MODEL	ORDER CODE
<b>S1</b>	<b>Z252411</b>

**S1**      **Z252411**

- Universal Type



MODEL	ORDER CODE
<b>S2</b>	<b>Z252413</b>

**S2**      **Z252413**

- Sickle Type



MODEL	ORDER CODE
<b>S3</b>	<b>Z252412</b>

**S3**      **Z252412**

- Perio Type

## Perio

Cross Section Diagram



MODEL	ORDER CODE
<b>S10</b>	<b>Z252420</b>

**S10**      **Z252420**

- Universal Type Slim Line



MODEL	ORDER CODE
<b>S20</b>	<b>Z252441</b>

**S20**      **Z252441**

- Root Planning (Straight tip)



MODEL	ORDER CODE
<b>S21R</b>	<b>Z252442</b>

**S21R**      **Z252442**

- Root Planning (Right curved tip)



MODEL	ORDER CODE
<b>S21L</b>	<b>Z252443</b>

**S21L**      **Z252443**

- Root Planning (Left curved tip)

## Maintenance (V-Tip)



V-Tip Holder



Cross Section Diagram



MODEL	ORDER CODE
<b>S35</b>	<b>Z252015</b>

**S35**      **Z252015**

- Includes E-Tip replacement wrench
- Plastic Tip is not included

MODEL	ORDER CODE
<b>V-P10</b>	<b>Y900184</b>

**V-P10**      **Y900184**

- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
<b>V-P12</b>	<b>Y1002167</b>

**V-P12**      **Y1002167**

- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
<b>V-P11R</b>	<b>Y1002165</b>

**V-P11R**      **Y1002165**

- Right curved type
- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
<b>V-P11L</b>	<b>Y1002166</b>

**V-P11L**      **Y1002166**

- Left curved type
- Pack of 3
- S35 holder is not included

## Air Scaler Kit



MODEL	ORDER CODE
<b>Perio-Control Tips Air Scaler Kit Y1002754</b>	

**Perio-Control Tips Air Scaler Kit Y1002754**

- S35 holder : 1 pc.
- V-P10, V-P11R, V-P11L, V-P12 : 1 pc. each
- Includes E-Tip replacement wrench

**Restorative (For Minimal Intervention)**

Unlike rotary instruments these tips oscillate and are designed to only cut on one surface allowing minimally invasive site preparation and thereby greatly reducing the risk of damaging adjacent teeth and soft tissue. The spherical shape of these tips make them suitable for delicate adjustments as well as caries removal in the cervical and interproximal region.



MODEL	ORDER CODE
<b>S65D</b>	<b>Z252465</b>

• Diamond coated



MODEL	ORDER CODE
<b>S66D</b>	<b>Z252466</b>

• Diamond coated



MODEL	ORDER CODE
<b>S67D</b>	<b>Z252467</b>

• Diamond coated

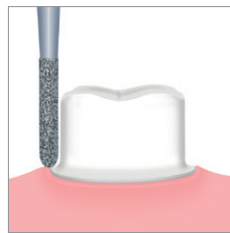


MODEL	ORDER CODE
<b>S68D</b>	<b>Z252468</b>

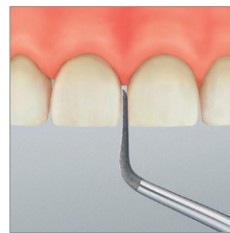
• Diamond coated



S65D



S81D



S72D

**Restorative (For Preparation of Crown Cores)**

The tips can be used for finishing margins after prepping the area with a conventional dental bur. That enables you to finish minute sharp edges and gingival sulcus without damage, something that cannot be accomplished with rotary instruments alone. Three types of tips are available for deep chamfer, light chamfer and shoulder work, respectively.



MODEL	ORDER CODE
<b>S81D</b>	<b>Z252469</b>

• Diamond coated



MODEL	ORDER CODE
<b>S82D</b>	<b>Z252462</b>

• Diamond coated



MODEL	ORDER CODE
<b>S83D</b>	<b>Z252461</b>

• Diamond coated



MODEL	ORDER CODE
<b>S86D</b>	<b>Z252460</b>

• Diamond coated

These tips are safe sided and flat for minimal mesial or distal preparations.



MODEL	ORDER CODE
<b>S71D</b>	<b>Z252471</b>

• Diamond coated



MODEL	ORDER CODE
<b>S72D</b>	<b>Z252472</b>

• Diamond coated

# V-TIP System



NSK V-Tip system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

## Endodontics V-Tip

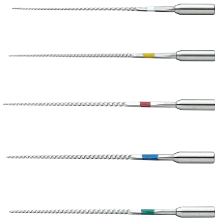


V-Tip Holder



### Endodontics

P135



**S75**  
120° Angle type

### Maintenance

P131

- For Prostheses or Implant Maintenance Perio-Control



**S35**  
Straight

MODEL	ORDER CODE
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**S75**      **Z252035**

- Includes E-Tip replacement wrench

MODEL	ORDER CODE
-------	------------

**V-U15**      **Y900177**

- V-file Irrigation 23 mm #15
- ISO 15 • Pack of 6

MODEL	ORDER CODE
-------	------------

**V-U20**      **Y900178**

- V-file Irrigation 23 mm #20
- ISO 20 • Pack of 6

MODEL	ORDER CODE
-------	------------

**V-U25**      **Y900179**

- V-file Irrigation 23 mm #25
- ISO 25 • Pack of 6

MODEL	ORDER CODE
-------	------------

**V-U30**      **Y900180**

- V-file Irrigation 23 mm #30
- ISO 30 • Pack of 6

MODEL	ORDER CODE
-------	------------

**V-U35**      **Y900181**

- V-file Irrigation 23 mm #35
- ISO 35 • Pack of 6

# Prophy-Mate neo



## Prophy-Mate neo, The Best Polishing Tool for Beautiful White Teeth

Supragingival powder polishing is highly effective when used in combination with "FLASH pearl." NSK's unique twin nozzle achieves powerful powder discharge. The long and slim handpiece in conjunction with the small nozzle tip dramatically improves accessibility around all tooth surface. Cleaning can be performed quickly even in interproximal areas teeth and in usually difficult to reach areas. The ergonomically designed grip is comfortable to hold and allows for flexible operation.

### Improved Polishing Power

With NSK original twin nozzles, greater polishing power is realized. With powerful jet, cleaning time is greatly shortened thus reduces treatment time.



Before

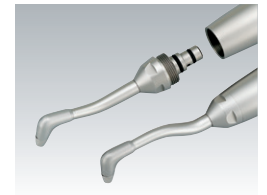


After



### Easy Detachable Nozzles with 60° and 80°

Selectable 60° and 80° nozzles maximize the cleaning ability. 60° nozzle works especially well for molar area and occluding surface and 80° nozzle for anterior tooth.



### Smooth, Easy 360° Swivel

Twin joints rotate smoothly 360 degrees for easy operability, responding flexibly to minute fingertip movements with effortless adjustment of the nozzle angle.



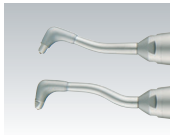
### Simple One-touch Connection

The Prophy-Mate neo is designed for a one-touch attachment to NSK couplings and other major coupling brands. The handpiece also can be attached to the powder case with one-touch operation.



# Prophy-Mate neo

Air Powered Tooth Polishing System



60° and 80° nozzles



## Prophy-Mate neo Complete System

	MODEL	ORDER CODE
NSK Coupling	<b>PMNG-PTL-P</b>	<b>Y135029</b>
KaVo® Coupling	<b>PMNG-KV-P</b>	<b>Y135030</b>
Sirona® Coupling	<b>PMNG-SR-P</b>	<b>Y135031</b>
W&H® Roto Quick	<b>PMNG-WH-P</b>	<b>Y135032</b>
Bien-Air® Unifix®	<b>PMNG-BA-P</b>	<b>Y135033</b>
Midwest 4 hole (Direct-connect / Screw-on Type)	<b>PMNG-M4-P</b>	<b>Y135034</b>
Midwest 4 hole (Direct-connect / Screw-on Type)	<b>PMNG-B2-P</b>	<b>Y135035</b>

■ No light during use (when using optic coupling).

### Contents

- Handpiece with 60° nozzle head
- Powder case
- Replacement nozzle head 80° (optional)
- 5 pcs. x 15 g sachets of FLASH pearl cleaning powder
- Maintenance kit

# FLASH pearl

Cleaning Powder



### Features

- Fast cleaning in tight spaces
- Zero salinity, gentle ingredients with low impact on patients
- Clogging is also minimized



MODEL	ORDER CODE
<b>FLASH pearl</b>	<b>Y900693</b>

- Stylishly packaged in a handy, original box
- Contains 100 x 15 g sachets

MODEL	ORDER CODE
<b>FLASH pearl (Bottle)</b>	<b>Y900698</b>

- 4 bottles packed in a box
- Comes with a measuring cup for your convenience
- Each bottle contains 300 g

## Outstanding Cleaning Results with Gentle Powder

Not salty! The powder has less impact due to the delicate flavour and provides patients with gentle tooth surface cleaning. The secret behind intense cleaning and a smooth finish? Calcium-based spherical particles.

Fine powder with an average particle size of 54 µm move as if rolling across the surface of the tooth, limiting damage to the tooth surface and rapidly removing plaque and staining.

The FLASH pearl treatment is effective in a short space of time which encourages patients to schedule regular cleaning appointments.

## Sparkling Results Every Time

FLASH pearl, a cleaning powder for Prophy-Mate neo and Varios Combi Pro, is a spherical particulate powder designed to roll smoothly over tooth surfaces and penetrate all corners for rapid cleaning.

The spherical shape of the powder granules lessens the likelihood of damage to teeth and soft tissue while removing stains and plaque quickly and safely.

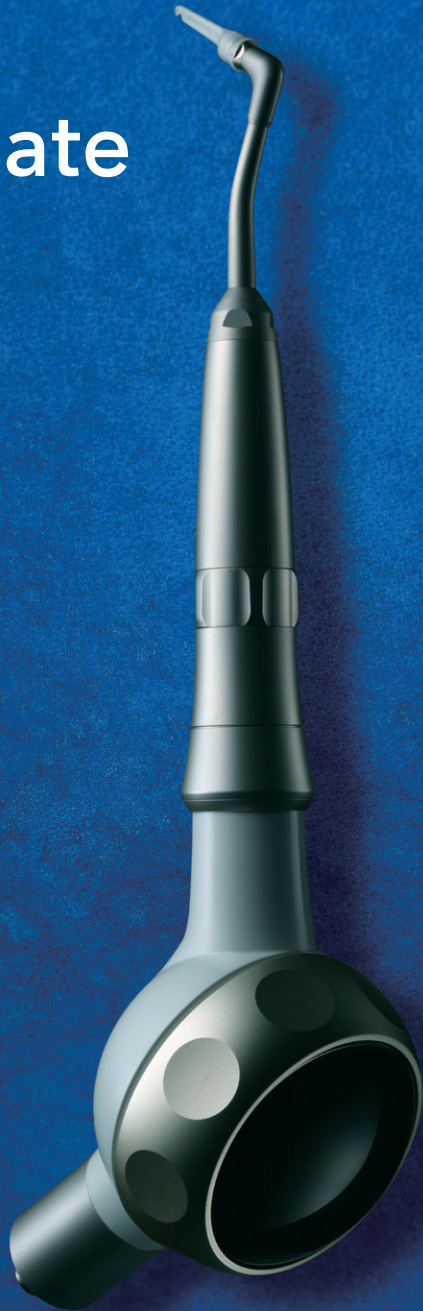
■ Adverse reactions to this product are rare.



The surface of the tooth after powder polishing under an electron microscope



# Perio-Mate



## Extensive Range of Applications Ranging from Supragingival to Subgingival Use

### Flexible Plastic Nozzle Tip Design Ensures Accessibility and is Gentle to The Pocket

The slim nozzle tip possesses just the right degree of flexibility to pass smoothly over tooth surfaces, and can be easily inserted into tight pockets and the root surfaces of adjacent teeth without causing the patient discomfort.



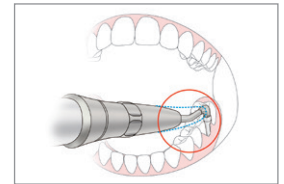
### Optimize Using Powder Flow Analysis

Turbine development technology uses accumulated fluid analysis which allows 'spraying' that takes into account the powder flow in the pocket. It is not mono-directional, rather the flow is even and all-directional, minimising soft-tissue damage and subgingival plaque and biofilm can be removed efficiently. With respect to potential damage, powder (air) and water are separately discharged onto periodontal tissue.



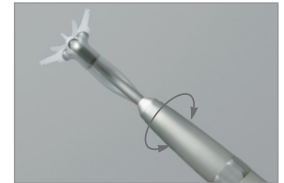
### Slim Nozzle Facilitates Operation in The Narrow Confines of The Oral Cavity

The long, narrow nozzle shape is designed to allow easy access to areas that require inserting the handpiece at an angle, such as between molars.



### Smooth 360-degree Rotation for Safe and Accurate Operation

The handpiece can easily be rotated using the fingertips even while performing complex operations. The nozzle tip allows easy access to difficult to reach areas, and does not adversely affect neighbouring teeth and contours.



### Powder Flow Volume Adjustment

The Perio-Mate's convenient Powder Control Ring makes fine-tuning powder flow simple and intuitive with quick fingertip adjustments. In addition to easily controlling and stopping the flow of powder in this way, you can cleanse the treatment area from biofilm uninterruptedly.



### Product Maintenance

The user can easily disassemble the nozzle, handpiece and powder case. Powder clogging is unlikely when handled and maintained correctly but is easy to manage by following the maintenance guidelines and the relevant accessories included with the product. All the parts of the handpiece (other than the nozzle tip) can be repeatedly cleaned ultrasonically or sterilized in an autoclave.



# Perio-Mate

Biofilm Eraser



## Perio-Mate Complete System

	MODEL	ORDER CODE
NSK Coupling	<b>PER-PTL-P</b>	<b>Y1002654</b>
KaVo® Coupling	<b>PER-KV-P</b>	<b>Y1002655</b>
Sirona® Coupling	<b>PER-SR-P</b>	<b>Y1002656</b>
W&H® Roto Quick	<b>PER-WH-P</b>	<b>Y1002657</b>
Midwest 4 hole (Direct-connect / Screw-on Type)	<b>PER-M4-P</b>	<b>Y1002659</b>
Borden 2 hole (Direct-connect / Screw-on Type)	<b>PER-B2-P</b>	<b>Y1002660</b>

■ No light during use (when using optic coupling).

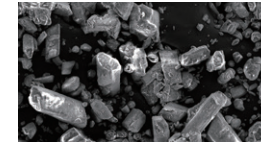
### Contents

- Handpiece
- Powder case
- Nozzle tip (40 pcs)
- Maintenance kit
- Perio-Mate Powder 160 g x 1

# Perio Mate Powder

## Powder Particle Comparisons

The fine Perio-Mate Powder is ideal for periodontal pocket treatment.



### Conventional Sodium Bicarbonate Powder

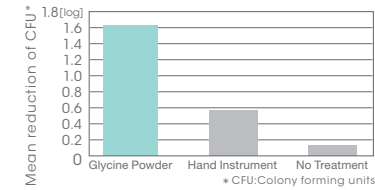
Average particle diameter: 73 µm  
Scanning electron microscope image magnification of 150 X



### Perio-Mate Powder (glycine)

Average particle diameter: 25 µm  
Scanning electron microscope image magnification of 150 X

## Reduction of Bacteria



The air-polish process with Perio-Mate Powder (glycine-based) results in significantly better bacterial reduction than manual plaque removal.

Petersilka GJ, Tunkel J, Barakos K, Heinecke A, Häberlein I, Flemmig TF. Subgingival plaque removal at interdental sites using a low-abrasive air polishing powder. J Periodontol. 2003 Mar;74(3):307-11.

## Features

- Subgingival airpolishing powder
- Principal ingredient is glycine, an amino acid present in proteins
- Highly water soluble to prevent subgingival retention
- Lower Mohs hardness than dentin
  - \* Glycine ranks 2 on the Mohs hardness scale, while dentin is 2 to 2.5
- Average powder particle diameter is 25 µm

MODEL	ORDER CODE
<b>Perio Mate Powder</b>	<b>Y900938</b>

- Contents : Two bottles (160 g each)



## Perio Mate Nozzle Tip



MODEL	ORDER CODE
<b>Perio Mate Nozzle Tip</b>	<b>Y1002741</b>

- 40 pcs per pack







ENDODONTICS



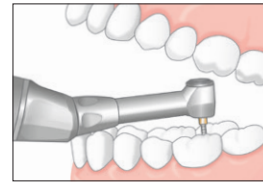
# ENDO-MATE TC2

## Stress free for more comfort

Cordless handpiece delivers freedom of movement. Lightweight, ergonomic design.

## Mini head & Slim neck

Miniature head allows access even to the most difficult to reach areas. Slim neck assures higher visibility.



## Safety for delicate endodontic treatment

Smart Auto Reverse & Alarm Function for safer endodontic procedures. The feedback circuit keeps stable rotation even when the load on the motor handpiece increases. Power turns off automatically to improve safety and save energy. Calibration function for more precise rotation speed and torque setting.



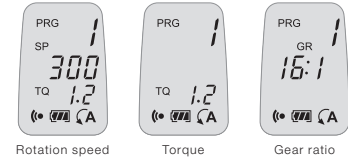
## Specifications

- Power Supply : AC 230 V 50/60 Hz and Battery pack
- Number of Programs : 5
- Max. Torque : 4 Ncm (when using 20:1 head)
- Charge/Continuous use: 90 min / 1.2 h (depending on workload)
- Speed range : 100-2,250 min<sup>-1</sup> (With 20:1, 16:1, 10:1, 4:1 geared heads)

## Program function

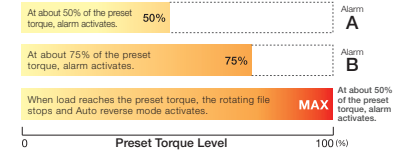
User definable 5 presets - Speed, Torque, Gear Ratio & Auto Reverse mode. Last program settings can be memorized when the power turns on.

### ▼ Program function



## Two kinds of alarm sound for safer and efficient treatment

Alarm enables operators to prevent to put too much burden on files, realizing less metal fatigue.



## ENDO-MATE TC2 Complete Set

MODEL ORDER CODE

ENDO-MATE TC2 (230V) Y1001027

### Contents :

- MP-F16R Head
- ENDO-MATE TC2 Motor
- Battery Charger

## ENDO-MATE TC2 without Head Set

MODEL ORDER CODE

ENDO-MATE TC2 without Head Set (230V) Y1001316

### Contents :

- ENDO-MATE TC2 Motor
- Battery charger

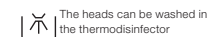
## ENDO-MATE TC2 Complete MPAS Set

MODEL ORDER CODE

ENDO-MATE TC2 MPAS (230V) Y1001047

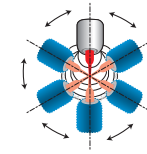
### Contents :

- MPAS-F16R Head
- ENDO-MATE TC2 Motor
- Battery charger



# ENDO-MATE DT

smart & portable



### 6 head angles for ease of treatment

Depending on the position of treatment site, the head angle can be adjusted to the best angle.



### Quick coupling

Quick coupling allows for easy head exchange. All heads are autoclavable up to 135°C.



### 2-way ON/OFF switch

Features are :

- A: Push and release - Micromotor operates continuously until the button is pushed again.
- B: Push and hold - Micromotor operates continuously until the button is released.

### Auto reverse function

The auto reverse function activates when the preset torque level has been reached.

### 2 way power source

ENDO-MATE DT has been designed to work with a rechargeable battery for portable use or can be powered using the AC adaptor supplied.

### Other function

Beeping sound notifies user when preset torque limit has been reached.

### ENDO-MATE DT with 20:1 Head

MODEL	ORDER CODE
<b>ENDO-MATE DT (230V)</b>	<b>Y141121</b>

- Control unit • Motor and Cord
- MP-F20R head (20:1) • Handpiece stand
- AC Adaptor

### ENDO-MATE DT without Head

MODEL	ORDER CODE
<b>ENDO-MATE DT W/O (230V)</b>	<b>Y141124</b>

- Control unit • Motor and Cord
- Handpiece stand • AC Adaptor

### ENDO-MATE DT Complete MPAS Set

MODEL	ORDER CODE
<b>ENDO-MATE DTMPAS Set (230V)</b>	<b>Y1001161</b>

- Control unit • Motor and cord
- AC adaptor • Handpiece stand • MPAS-F20R head (20:1)



### Specifications

- Power Supply : AC 230 V 50/60 Hz and Battery pack
- Number of Programs : 9
- Max. Torque : 7 Ncm (when using 20:1 head)
- Charge / Continuous use : 5 h / 2 h (depending on workload)
- Speed range : 100-13,000 min<sup>-1</sup> (with 20:1, 4:1, 1:1 geared heads)
- Dimensions : W 92 x D 148 x H 124 mm
- Weight : Unit 456 g / Motor handpiece & cord 92 g

# ENDO-MATE AT

For use with all brands of Ni-Ti files



### Fits all major brands of Ni-Ti files

9 preset settings (speed and torque etc) are available and can be programmed simply by pushing the memory function button. Moving between each preset program is easy and allows application of the handpiece with all major Ni-Ti File manufacturer's required settings.

Gear	Head Speed (min <sup>-1</sup> )
20:1	100-650
16:1	125-800
10:1	200-1,300
4:1	500-3,200
1:1	2,000 ~13,000

### Auto reverse function

The auto reverse function activates when the preset torque level has been exceeded and can be set to operate in the following.

### Improved visibility

The extra slim head and body design greatly improves direct and indirect visibility to the operational field, even when applied to difficult access areas.



### Stress free for more comfort

The slim and light weight handpiece has been created for ergonomic hand comfort during extended operational use when very fine movement is particularly necessary. The two way On/Off switch is immediately responsive and always accessible.

### Compact Stylish Control Pad

Endodontic procedures are expedited and accuracy is assured due to features such as the non reflective LCD screen - designed for full visibility and delivering immediate confirmation of control settings. The clear icon system is designed to confirm operator confidence when changing settings prior to a procedure.

### ENDO-MATE AT with 16:1 Head

MODEL	ORDER CODE
ENDO-MATE AT (230V)	Y1002190

#### Contents :

- Control Unit, Motor Handpiece
- Contra-angle Head (iFX75)
- Handpiece Stand
- AC Adaptor

#### Specifications

- Power Supply : AC 230 V 50/60 Hz
- Number of Programs : 9
- Max. Torque : 7 Ncm (when using 20:1 head)
- Speed range : 100-13,000 min<sup>-1</sup>
- Dimensions : W 268 x D 230 x H 103 mm
- Weight : 342 g (including Motor handpiece)



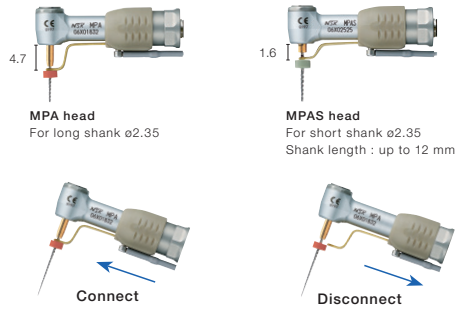
\*Files are not included.

# ENDO-MATE TC2 / ENDO-MATE DT / ENDO-MATE AT Heads

## Apex Locator Capability

MPA and MPAS heads are equipped with built in probe ring which enable to use your Apex locator with the ENDO-MATE TC2 & DT2 systems. By combining an Apex Locator with NSK ENDO-MATE TC2 & DT2, clinicians will be able to perform more accurate root canal preparations. All contra angle heads are autoclavable up to 135°C.

2 types of file holders are available relevant to the shank length of the file selected.



Attach the Apex Locator Monitor by moving it forward to contact the file. Release by moving away from the file.

Suitable for Use with Most Major Brands of Ni-Ti Files

Rotation Speed (min <sup>-1</sup> )	Gear Ratio	Torque Level (Ncm)
200 - 900	10 : 1	0.2 - 2.2
140 - 550	16 : 1	0.3 - 3.0
100 - 450	20 : 1	0.4 - 4.0

- Miniature Head
- For Ni-Ti files (ø2.35)
- Push Button Chuck



	MODEL	ORDER CODE
<b>20:1 Reduction</b>	<b>MP-F20R</b>	<b>Y110044</b>
<b>16:1 Reduction</b>	<b>MP-F16R</b>	<b>Y110096</b>
<b>10:1 Reduction</b>	<b>MP-F10R</b>	<b>Y110048</b>



	MODEL	ORDER CODE
<b>16:1 Reduction</b>	<b>MPA-F16R</b>	<b>Y110097</b>

- Connection for Apex locator (for long shank)



	MODEL	ORDER CODE
<b>20:1 Reduction</b>	<b>MPAS-F20R</b>	<b>Y110046</b>
<b>16:1 Reduction</b>	<b>MPAS-F16R</b>	<b>Y110098</b>

- Connection for Apex locator (for short shank)



	MODEL	ORDER CODE
<b>16:1 Reduction</b>	<b>iFX75</b>	<b>C1098001</b>

- Miniature Head
- Stainless Steel Body
- 360° Rotation
- For Ni-Ti files (ø2.35)
- Push Button Chuck

# iPexII



### Features

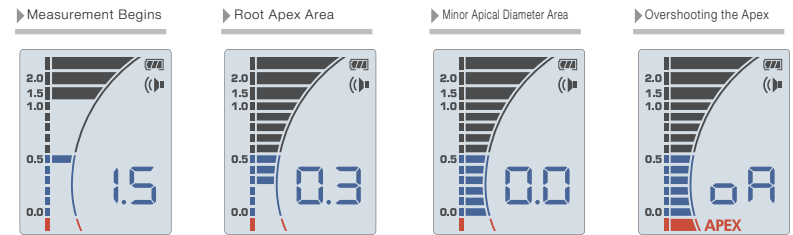
- High-precision root canal measurement generated by using SmartLogic
- Auto-detects the apex accurately in any conditions, dry or wet
- A stylish and compact body requiring only a small space
- 3 different alert sounds depending on the location of the file tip, ensuring precise procedures
- A 3 colour LCD panel with very low reflectivity, allowing clinicians to accurately and instantly monitor procedure progress
- Energy saving and low operation cost

### Next-Generation SmartLogic Controller

NSK's SmartLogic controller combines two advanced technologies to accurately analyse signals. iPexII SmartLogic technology removes virtually all signal interference from the root canal itself to precisely detect the location of the apex.

- iPexII SmartLogic alternates between two separate frequencies to take measurements. By reducing the noise that interferes with signal analysis, it generates a high-precision wave system that does not require a filtering circuit.
- iPexII SmartLogic uses the whole wave system to analyse the extracted frequency. This produces steady measurement analysis even under varying conditions in the root canal while retaining a constant link to file insertion progress.

### The 3 Colour LCD Visual Monitor Screen



### Monitoring the Canal Depth

For integration into Endodontic instruments (ENDO-MATE TC2 / ENDO-MATE DT / Contra-angle)  
The NSK endodontics products and iPexII ensure safe, precise and efficient root canal procedures.



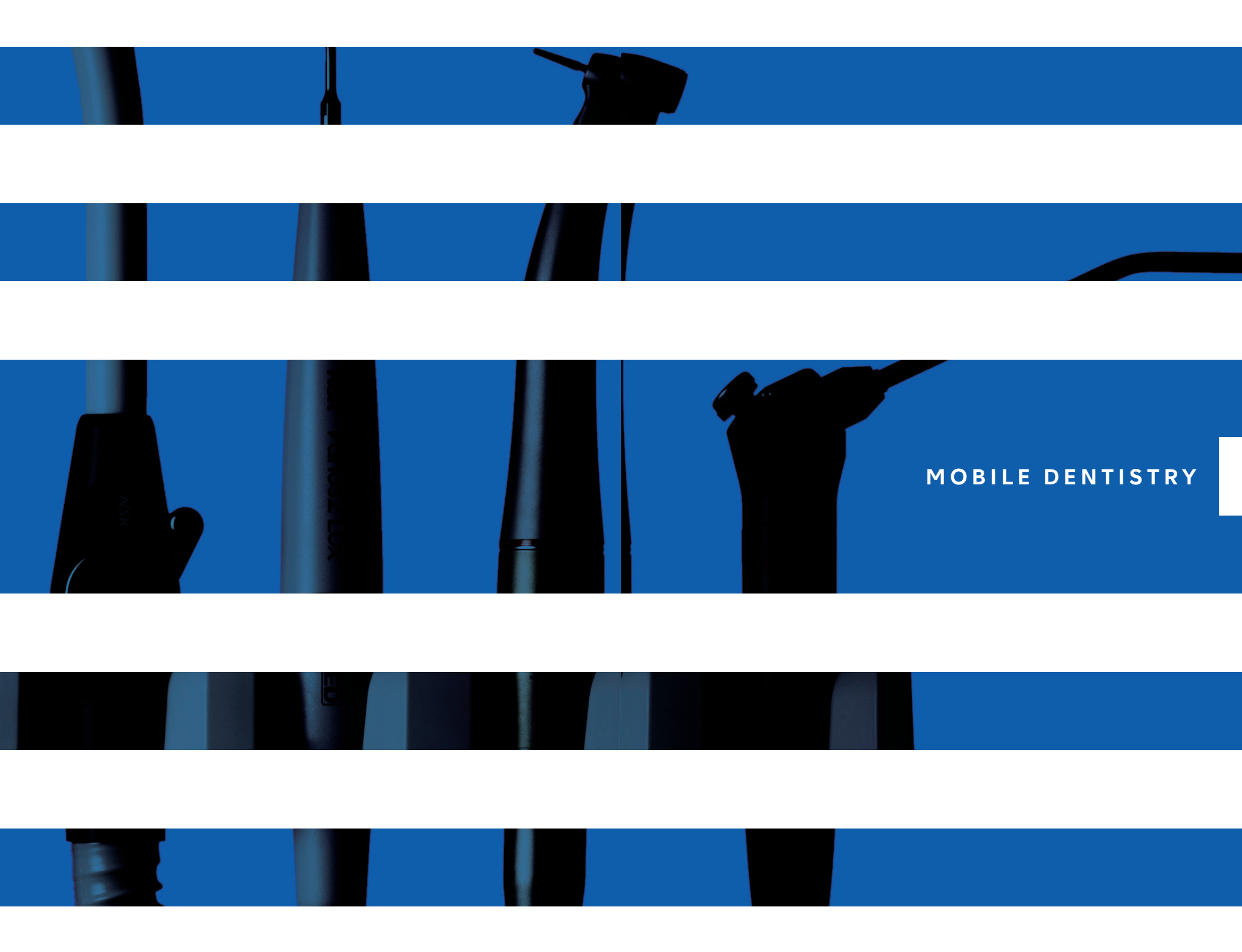
### iPexII Complete Set

MODEL	ORDER CODE
<b>iPexII Complete Set</b>	<b>Y1002208</b>

- Contents** • Control unit • iPexII Probe (1.8 m) • iPexII File Clip (3 pcs.) • Lip Hook (3 pcs.)  
• AAA manganese dry batteries (3 pcs.) • iPexII Tester

### Specifications

- Power Supply: for 1.5 V AAA (LR03 or R03) batteries
- Continuous use: Approx. 60 h
- Dimensions: W 60 x D 60 x H 86 mm
- Weight: 76 g (unit without batteries)



MOBILE DENTISTRY




# VIVA ace



## Wherever Possible

### For more comfortable & more advanced home visits for dental treatment

As societies age more rapidly, there is an ever greater need for mobile dental treatment. Today's ageing population keeps more of their natural teeth, which means a wider range of treatments is required nearer to the patient. VIVA ace combines the functionality of a dental treatment centre in a compact body with multipurpose micromotor, ultrasonic scaler and more. Its lightweight build means it is easy to carry and straight forward to set up in different locations. The first of its kind with high-functionality, supports more comfortable dental treatment wherever the patient.

-  **Lightweight and Compact Body**
-  **High Functionality, Just Like a Treatment Centre**
-  **Straight Forward Set-up and Breakdown**

### Lightweight and Compact Body

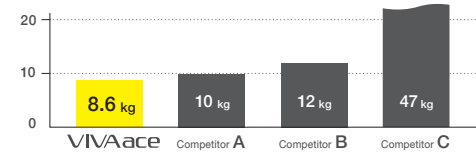
Highly manoeuvrable and lightweight, weighing only 8.6 kg. Its compact size is ideal for stowing in a car, is easily carried up and down stairs and fits into compact spaces. Simple to transport from one patient to another.

The small size has been achieved by making each component lightweight and compact without compromising functionality.

### All-in-one Package

A micromotor, ultrasonic scaler, 3 in 1 syringe and suction combined in a single compact body including storage space for all instruments.

### Lightweight at 8.6 kg,\* it can be Taken Anywhere.



\*Weight without handpieces







### Highly Functional Portable Dental System Just Like a Treatment Centre

Excellent efficiency and safety are achieved via both the intuitive and highly visible large LCD control panel and the superb functionality provided by each individual instrument. A high functionality system just like a treatment centre.

## Advanced Functionality in a Compact Body



Photos are of optional extras.

### High Functionality Micromotor

Full endodontic functionality



NLXplus

Ideally suited for all requirements of state of the art dentistry

	Rotation speed (min <sup>-1</sup> )	Torque (Ncm)
General mode	1,000~40,000	4.0
Endodontic mode	100~5,000	0.3~3.0

3 in 1 syringe



Lightweight and simple operating 3 in 1 syringe. The syringe nozzle uses a simple quick release mechanism.

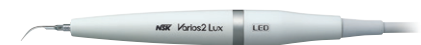
Light Probe (optional)



isoE-LUX

### Multipurpose Ultrasonic Scaler

Comprehensive tip range



Varios2 Lux

NSK iPiezo ultrasonic engine

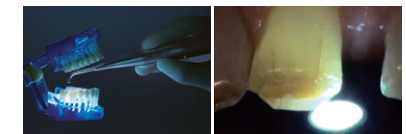
Provides the appropriate power at the tip end adapting to tooth conditions for firm or soft tartar. Safe scaling is possible even when removing hard tartar.

Suction



Built in ball lever valve to adjust suction power.

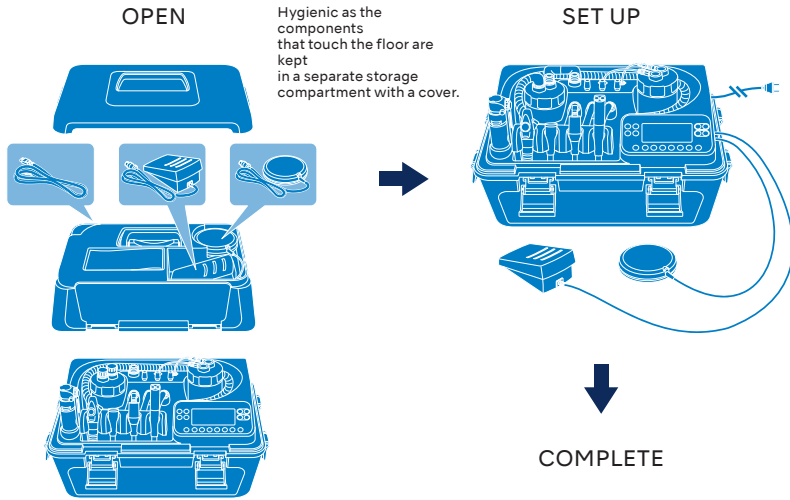
Bright illumination of the oral cavity in any treatment environment. Good accessibility with a slim body that also makes it possible to access hard-to-see areas.





### Quick Set up and Storage

Set up and storage is straight forward, simple and quick, making work more efficient and easier. The instrument holders and arm can be set at 4 different levels.



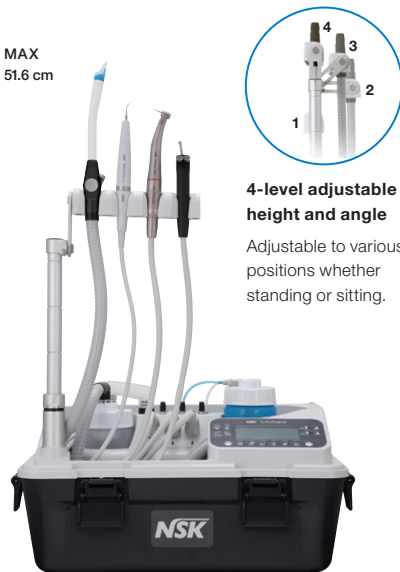
#### Storage is simple

Remove the handpieces for easy storage.



Very easy to maintain

MAX  
51.6 cm



#### 4-level adjustable height and angle

Adjustable to various positions whether standing or sitting.

## VIVA ace



MODEL	ORDER CODE
<b>VIVA ace 230 Complete Set</b>	<b>Y1003773</b>

#### Contents

- VIVA ace 230 Basic Set
- VIVA ace Motor Kit
- VIVA ace Scaler Kit

#### Specifications (Control unit)

- Dimensions : W 462 x D 298 x H 284 mm
- Unit weight : 8.6 kg
- Power Supply : AC 100-240 V 50/60 Hz
- Power source input : 130 VA



MODEL	ORDER CODE
<b>VIVA ace 230 Basic Set</b>	<b>Y1003774</b>

#### Contents

- Control unit
- AC Power Cord
- Foot Control (FC-76S)
- Foot Control (FC-70S)
- Top Case
- V-ace Vacuum Hose Set
- V-ace Vacuum Bottle Set
- V-ace Vacuum Nozzle (10)
- V-ace Water Bottle Set
- V-ace 3 way Syringe Set
- Shoulder Belt



MODEL	ORDER CODE
<b>VIVA ace Motor Kit</b>	<b>E1040002</b>

#### Contents

- Motor NLX plus
- Motor Cord
- Motor Cap
- Protection Plug



MODEL	ORDER CODE
<b>VIVA ace Scaler Kit</b>	<b>E351006</b>

#### Contents

- VA2-LUX Handpiece
- Scaler Cord
- Tip (G6, G8)
- Tip Wrench
- Tip Holder

# VIVAMATE G5



**Portable LED Micromotor;  
From Denture Adjustment to General Applications**

## Internal Spray LED Micromotor



The compact size micromotor has been specifically developed for mobile dentistry and weighs only 148 g (w/cord) and features internal spray and LED light. Although fully portable it performs like an in-surgery system meeting a wide range of clinical requirements and is compatible with your existing contra-angles and straight handpieces<sup>1</sup> helping you to manage the cost of a mobile dentistry set-up.

<sup>1</sup> Conformable to ISO 3964.



## Able to Use Both Rechargeable Battery and AC Adaptor for The Compact Control Unit

Able to operate with rechargeable batteries anywhere. When battery power level is low, just plug in AC adaptor into outlet; bring the unit to patient visits without worry. It is very easy to carry since the control unit is palm-size (W 72 x D 180 x H 36 mm) and weighs only 370 g.

## Foot Control (Optional)

Conveniently adjust the motor speed by depressing the pedal of the foot control without taking your eyes of the treatment.



## Carrying Case

Comes with a carrying case designed for storing VIVAMATE G5 unit and its attachments.



## VIVAMATE G5 Complete Set

MODEL	ORDER CODE
VIVAMATE G5 230V	Y1002801

### Contents

- Control unit
- Handpiece Stand
- Motor (Including Motor Cord)
- AC Adaptor
- AC Power Cord
- Carrying Case

### Specifications

[Control Unit]

- Dimensions : W 72 x D 180 x H 36 mm
- Weight : 370 g Charge/Continuous use : 2 h / 1 h (depending on workload)

[Micromotor]

- Dimensions : ø22 x L 68.6 mm
- Weight : 148 g (Include Motor cord)
- Speed: 3,000-30,000 min<sup>-1</sup>
- Torque: 3 Ncm (30,000 min<sup>-1</sup> while rotating)

# VIVAsupport 2



## SYNC MODE Synchronization with the irrigation function

When VIVAsupport 2 is combined with VIVAMATE G5, which is equipped with an internal spray LED micromotor, and Varios 370, compact ultrasonic scaler, user can operate (turn on / off) the irrigation function in synchronization with the motor and scaler, using the foot control (optional). The user can easily adjust and select between five levels of irrigation depending on clinical requirements by using the Irrigation Adjustment Key.



## Excellent portability and mobility

The light weight, compact and durable carrying case can accommodate VIVAsupport 2, VIVAMATE G5 and Varios 370.



## Significant decrease in set-up time

VIVAsupport 2's design allows for treatment to commence almost as soon as transport case is opened. Only a few simple steps are required to get system ready for treatment.

## Large-capacity bottles for irrigation and suction

Tubes and connections can be easily assembled and disassembled. The dedicated bottles, can be easily maintained, meet the needs of mobile dentistry.





### VIVAsupport 2 Complete Set

MODEL	ORDER CODE
<b>VIVAsupport 2</b>	<b>Y1002802</b>

**Contents :**

- VIVAsupport 2 Control unit • AC adaptor • AC Cord
- VS Irrigation Bottle Set 400 • VS Saliva Bottle Set 400 • Junction Cable • VS Irrigation Tube • VS Saliba Tube • Saliva Tube
- VS Irrigation Pump • Disposable Saliva Ejector (Pack of 10) • Tube Clamp Set (Pack of 6) • VS Saliva Bottle connection Tube
- Saliva Drain Tube • VS Carrying Case • VS Tray

**Specifications**

- Power Supply : AC 100-240 V 50/60 Hz • Battery recharge time : appx. 2 hours.\* • Battery contentions drive time : appx. 2 hour.\*
- Capacity of tank : 350 mL (for irrigation and saliva ejection) • Suction of the pump : 300 mL/min
- Dimensions : W 147 x D 188 x H 98 mm (VIVAsupport 2 Control unit) W 460 x D 265 x H 233 mm (VS Carrying Case)
- Weight : 3.5 kg (VIVAsupport 2 Complete Set)

\*Varies depending on usage situations.



### VIVAMATE G5 + VIVAsupport 2 Long Bottle Set

MODEL	ORDER CODE
<b>VIVAMATEG5+VIVAsupport2 230V</b>	<b>Y1002987</b>

**Contents :**

- VIVAMATE G5 Control unit • VIVAsupport 2 Control unit • Handpiece Stand • Motor (including Motor Cord)
- AC Adaptor x 2 (for VIVAMATE G5 and VIVAsupport 2) • AC Cord x 2 • Foot Control (FC-76M) • Carrying case
- VS Long irrigation / saliva Bottle (1,000 mL) • Junction Cable • VS Irrigation Tube • VS Saliba Tube • Saliva Tube • VS Irrigation Pump
- Disposable Saliva Ejector (Pack of 10) • Tube Clamp Set (Pack of 6) • VS Saliva Bottle connection Tube • Saliva Drain Tube
- VS Carrying Case • VS Tray

**Specifications**

- VIVAMATE G5**  
[Control Unit]
- Power Supply : AC 100-240 V 50/60 Hz • Dimensions : W 72 x D 180 x H 36 mm • Weight : 370 g
  - Battery recharge time : appx. 2 hours.\* • Battery contentions drive time : appx. 1 hour.\*
- [Micromotor]
- Dimensions : ø22 x L 68.6 mm • Weight : 148 g (include Motor cord) • Speed : 3,000-30,000 min<sup>-1</sup>
  - Torque : 3 Ncm (30,000 min<sup>-1</sup> while rotating)
- VIVAsupport 2**
- Power Supply : AC 100-240 V 50/60 Hz • Battery recharge time : appx. 2 hours.\* • Battery contentions drive time : appx. 2 hour.\*
  - Capacity of tank : 1,000 mL (for irrigation and saliva ejection) • Suction of the pump : 300 mL/min
  - Dimensions : W 147 x D 188 x H 98 mm (VIVAsupport 2 Control unit)  
W 460 x D 265 x H 233 mm (VS Carrying Case)
  - Weight : 3.5 kg (VIVAsupport 2 Complete Set)

\*Varies depending on usage situations.



SURGICAL

# Surgic Pro2 × VarioSurg 3



## SYNERGY IN IMPLANTOLOGY

### Link 2 Systems

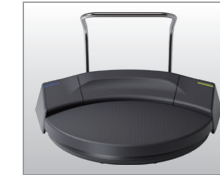
#### Surgic Pro2 and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro2 oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.



#### Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro2 and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



#### Hands-free Program Adjustments Via Foot Control

The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and program selection.



#### Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.



Link Module



Link Stand2

With the NSK link stand the two units can be safely stacked to save space.

# Surgic Pro+

# ×

# VarioSurg 3



## SYNERGY IN IMPLANTOLOGY

Two linked surgical systems that use a single foot control.  
A brand new approach to implant and surgical treatment.

## Link 2 Systems

### Surgic Pro and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.



#### Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



#### Hands-free Program Adjustments Via Foot Control

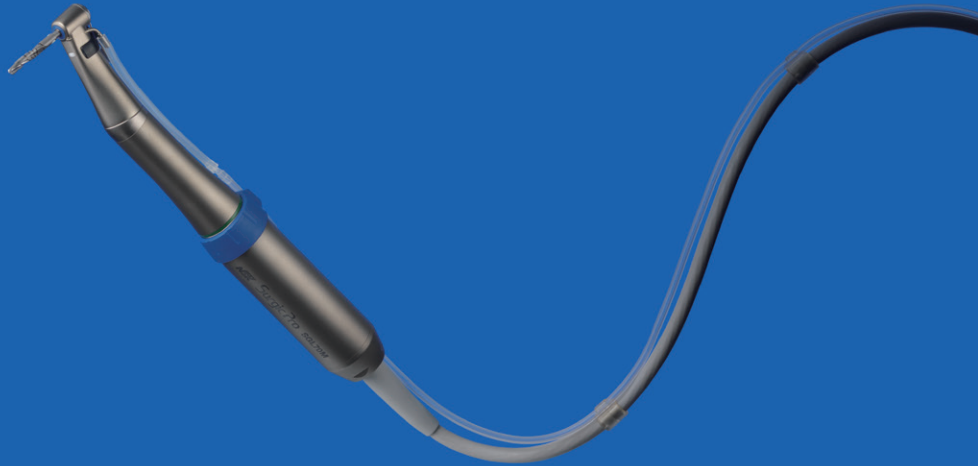
The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and program selection.



#### Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.





# Surgic Pro+

## The Professional Choice

NSK offers advanced technology to greatly enhance clinical performance. Surgic Pro is compact, lightweight and powerful to reliably deliver everything that professionals demand.

## Calibration

NSK's Drive for Accuracy Ensures Safe Treatment Through Accurate Torque Correction



## Maintaining Accurate Torque with AHC

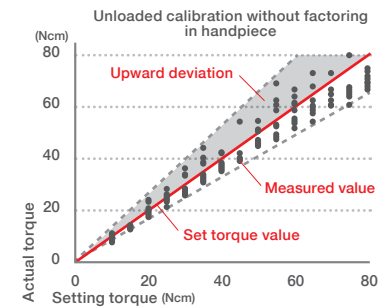
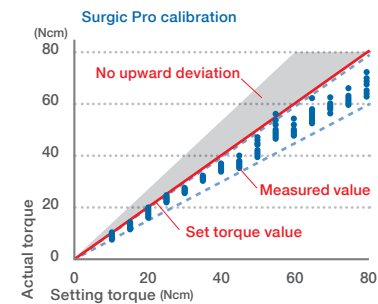
NSK's proprietary Advanced Handpiece Calibration (AHC) ensures the correct torque value required for specific treatments.

There is normally a small misalignment between pre-set and actual torque values owing to friction between bearings and contra-angle gear. AHC corrects this misalignment to guarantee accurate torque values.

## High-precision Calibration

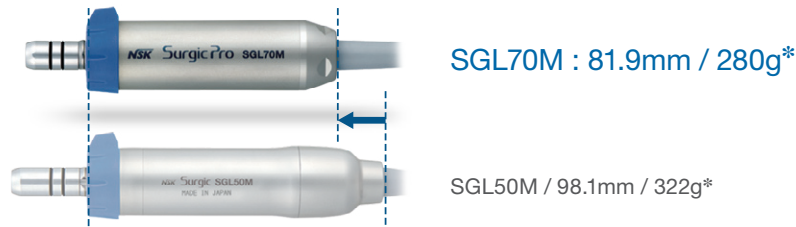
Unloaded, loaded and speed level adjustments improve the precision of calibration, which can be according to handpiece usage.

## NSK's Safe Calibration Approach Factors in Handpiece Usage Conditions



### An Advanced Surgical Motor for Demanding Clinical Environments

NSK developed the Surgic Pro SGL70M by analyzing feedback from clinicians to ensure that this 5th generation surgical micromotor satisfies professional requirements. The light and compact Surgic Pro SGL70M features an LED light for high visibility, with up to 80 Ncm of torque for diverse surgical procedures, paving the way for an advanced treatment environment.



\*Including motor cord

### Well-balanced, with a Compact and Lightweight Micromotor

Streamlining efforts reduced the size by 16.2 mm and the weight by 42 g to improve balance during use the Surgic Pro motor, greatly reducing any strain on clinicians.

### LED Optics for Safer, More Accurate Treatment

NSK LEDs generate natural daylight-quality light to illuminate the treatment area, enabling more precise surgery and shortened operation times. The lights increase safety because they do not overheat and are long-lasting.



Optic	MODEL	ORDER CODE
●	<b>SGL70M</b>	<b>E1023</b>
—	<b>SG70M</b>	<b>E1025</b>

- Solid titanium body
- with Cord 2 m

### Compact Body and Large LCD Display

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute a safer and user friendly working environment.



### Advanced Irrigation Pump

The pump allows easy set-up of irrigation tubes and is extremely quiet during operation.

### Memorises Eight Different Implant Systems

The Surgic Pro memorises eight different implant systems and a total of 64 programs. The programmable parameters are gear ratio, speed, rotation direction, torque limit, coolant solution volume and illumination intensity. This is extremely useful when using two or more implant brands. Once you complete programming, simply push a button to call procedures up.

### Data Log Function

The Surgic Pro's data log function can record and store speed, torque values, and other patient treatment data. Such efficient data management helps ensure safe clinical practices.

\*Maximum internal memory capacity is 100 minutes

### Data Management

Treatment data can be easily accessed and downloaded using a USB stick. Files can be transferred and added to patient records.

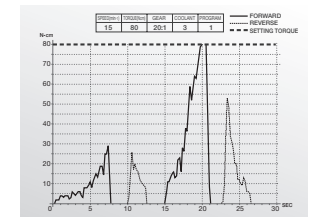


\*USB memory stick not included.

### Easy Treatment Data Handling

No specific software is required to display CSV or bitmap files.

\*File formats : csv or bmp



# Surgic Pro+



## Surgic Pro+ Complete Set with X-DSG20L Optic Handpiece

Optic	MODEL	ORDER CODE
●	<b>Surgic Pro + OPT-D (230V)</b>	<b>Y1002096</b>

- Contents
- Control Unit with data storage facility
  - SGL70M LED Micromotor
  - FC-78 Foot Control
  - X-DSG20L Optic Handpiece (20:1 Reduction)
  - Irrigation tube (5 pcs.) and other accessories

## Surgic Pro Complete Set with X-SG20L Optic Handpiece

Optic	MODEL	ORDER CODE
●	<b>Surgic Pro OPT (230V)</b>	<b>Y1001933</b>

- Contents
- Control Unit without data storage facility
  - SGL70M LED Micromotor
  - FC-78 Foot Control
  - X-SG20L Optic Handpiece (20:1 Reduction)
  - Irrigation tube (5 pcs.) and other accessories

## Surgic Pro Complete Set with SG20 Handpiece

Optic	MODEL	ORDER CODE
—	<b>Surgic Pro NON-OPT (230V)</b>	<b>Y1001934</b>

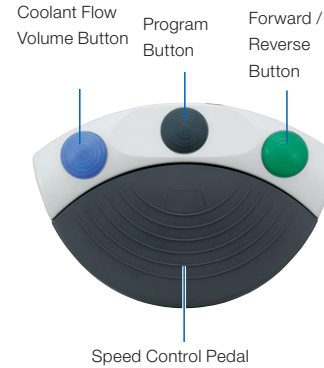
- Contents
- Control Unit without data storage facility
  - SG70M Non-Optic Micromotor
  - FC-78 Foot Control
  - SG20 Handpiece (20:1 Reduction)
  - Irrigation tube (5 pcs.) and other accessories

## Specifications

<p><b>Control Unit with AHC</b></p> <ul style="list-style-type: none"> <li>• Power Supply : AC 230 V 50/60 Hz</li> <li>• Max. Pump Output : 75 mL/min</li> <li>• Programs : 8 Programs / Implant Systems</li> <li>• Dimensions : W 265 x D 220 x H 100 mm</li> </ul>
<p><b>Micromotor</b></p> <ul style="list-style-type: none"> <li>• Torque : 5-80 Ncm</li> <li>• Motor Speed : 200-40,000 min<sup>-1</sup></li> <li>• Light Power (LED Micromotor) : over 32,000 LUX</li> </ul>
<p><b>Foot Control</b></p> <ul style="list-style-type: none"> <li>• Foot Control Functions : Program Button, Speed Control Pedal, Coolant Flow Volume Button, Forward / Reverse Button</li> </ul>

## Foot Control

The Foot Control is user friendly and allows operation of all functions within the preset parameters without touching the control panel to avoid accidental activation of the micromotor outside the preset limits. The Surgic Pro/Surgic Pro+ is certificated according to IPX8.



MODEL	ORDER CODE
<b>FC-78</b>	<b>Z1102001</b>
<b>FC-78 (3.5m)</b>	<b>Z1102002</b>

• With 2 m cord • With 3.5 m cord

## Handle Set (Optional)

Easy to attach foot control handle. Hanger can easily be moved with the foot control.



MODEL	ORDER CODE
<b>Handle Set</b>	<b>Z1027001</b>

## Optional

### Carrying Case

The NSK Carrying Case can accommodate all Surgic Pro components as well as the optional sterilization cassette.



MODEL	ORDER CODE
<b>Carrying Case (Surgic Pro)</b>	<b>Y1001952</b>

- Dimensions : W 534 x D 427 x H 207 mm

### iCart Duo

Install the control unit and accessories on the cart.



MODEL	ORDER CODE
<b>iCart Duo</b>	<b>S9090</b>

- Dimensions : H 101.65 cm
- Weight : 16.5 kg

# Implant Handpieces

## Dismantlable Contra-angle Handling up to 80 Ncm of Torque



## Ti-Max X-DSG20L



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min<sup>-1</sup>

## Dismantling Surgical Handpiece

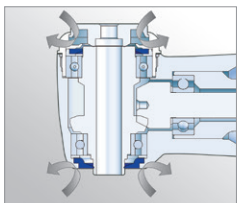


	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	●	<b>X-DSG20L</b>	<b>C1068</b>
	—	<b>X-DSG20</b>	<b>C1067</b>



### Easy to Disassemble and Clean

The DSG20 contra-angle can be disassembled with a simple twist for easy internal cleaning. NSK's unique locking mechanism prevents accidental disassembly during operation.



### Double Sealing System

NSK's unique double sealing system prevents blood and other contaminants from entering the instrument head to ensure longevity of the instruments.

# Implant Handpieces

## Ti-Max X-SG20L



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min<sup>-1</sup>



	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	●	<b>X-SG20L</b>	<b>C1003</b>



## Ti-Max X-SG93L



- Titanium Body with Scratch Resistant DURACOAT
- For FG burs (ø1.6)
- Cellular Glass Optics (X-SG93L)
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 120,000 min<sup>-1</sup>



	Optic	MODEL	ORDER CODE
<b>1:3 Increasing</b>	●	<b>X-SG93L</b>	<b>C1004</b>
	—	<b>X-SG93</b>	<b>C1007</b>

## S-Max SG20

- Stainless Steel Body
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min<sup>-1</sup>



	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	—	<b>SG20</b>	<b>C1010</b>



## Ti-Max X-SG25L

- Titanium Body with Scratch Resistant DURACOAT
- For CA burs (ø2.35)
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 40,000 min<sup>-1</sup>



	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>X-SG25L</b>	<b>C1011</b>

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)



Can be use up to 80 Ncm



Washable in the thermodisinfectant



Autoclavable up to 135°C



Washable in the thermodisinfectant



Autoclavable up to 135°C

# Implant Handpieces

## Ti-Max X-SG65L

Straight Handpiece



- Titanium Body with Scratch Resistant DURACOAT
- For HP burs (ø2.35)
- Cellular Glass Optics (X-SG65L)
- Clean Head System
- External cooling
- Max. Speed : 40,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>X-SG65L</b>	<b>H1009</b>
	—	<b>X-SG65</b>	<b>H1038</b>

## Ti-Max Z-SG45L



Triple Spray

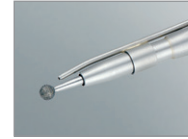


- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics (Z-SG45L)
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- External cooling
- For FG burs (ø1.6 / 20-25 mm)
- Anti Heat System
- DLC Coating
- Max. Speed : 120,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>1:3 Increasing</b>	●	<b>Z-SG45L</b>	<b>C1107</b>
	—	<b>Z-SG45</b>	<b>C1108</b>

# Micro Surgery Handpieces

## Straight Handpieces



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min<sup>-1</sup>



	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>SGS-ES</b>	<b>H264</b>

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min<sup>-1</sup>



	MODEL	ORDER CODE
<b>1:2 Increasing</b>	<b>SGS-E2S</b>	<b>H266</b>

## 20° Angle Handpieces

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min<sup>-1</sup>



	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>SGA-ES</b>	<b>H263</b>

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min<sup>-1</sup>



	MODEL	ORDER CODE
<b>1:2 Increasing</b>	<b>SGA-E2S</b>	<b>H265</b>

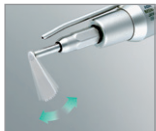
# Micro Saw Handpieces



- 1.8 mm Reciprocating
- With External Spray Nozzle



	MODEL	ORDER CODE
3.2:1 Reduction	SGR2-E	SH162



- 17° Oscillating
- With External Spray Nozzle



	MODEL	ORDER CODE
3.5:1 Reduction	SGO2-E	SH164



- 3° Sagittal
- With External Spray Nozzle



	MODEL	ORDER CODE
3.2:1 Reduction	SGT2-E	SH163

## SGR2-E Blades for Reciprocating

MODEL		ORDER CODE
SGR-1	<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Pack of 10 blades</li> </ul>	Y900072
SGR-2	<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Pack of 10 blades</li> </ul>	Y900073
SGR-3	<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Pack of 10 blades</li> </ul>	Y900074

## SGO2-E Blades for Oscillating

MODEL		ORDER CODE
SGO-1	<ul style="list-style-type: none"> <li>• Blade thickness 0.3 mm</li> <li>• Single blade</li> </ul>	H174034
SGO-2	<ul style="list-style-type: none"> <li>• Blade thickness 0.3 mm</li> <li>• Single blade</li> </ul>	H174044
SGO-3	<ul style="list-style-type: none"> <li>• Blade thickness 0.3 mm</li> <li>• Single blade</li> </ul>	H174031
SGO-4	<ul style="list-style-type: none"> <li>• Blade thickness 0.3 mm</li> <li>• Single blade</li> </ul>	H174041
SGO-5	<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Single blade</li> </ul>	H174032
SGO-6	<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Single blade</li> </ul>	H174042

## SGT2-E Blades for Sagittal

MODEL		ORDER CODE
SGT-1	<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Pack of 10 blades</li> </ul>	Y900075
SGT-2	<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Pack of 10 blades</li> </ul>	Y900076

# Osseo 100+



## Removes Doubt

Osseo 100 measures implant stability and osseointegration to support decision on when to load an implant.

Especially important when working with shorter treatment time or managing risk patients.

The uncomplicated procedure that measures ISQ allows the implant loading period to be planned in advance. The reconstruction of crowns and bridges can be monitored to optimize timing to decrease the risk for failures. Measurements can be made without unnecessary impact since the equipment does not come into physical contact with the implant or abutment.

## Stand-alone Osseo 100

By mounting a MultiTipeg™ the measurement is made in a second. A numerical result appears on an LED screen and that indicates how well the implant has integrated.





### 3-step procedure

1. The MultiPeg™ is attached to the implant. It screws effortlessly into the implant's internal threads. (approximately 6-8 Ncm of torque).
2. Just aim for the magnet on top of the MultiPeg™. Non-invasive, objective, accurate and repeatable. The peg is excited by magnetic pulses and vibrates due to the stiffness in the contact area between the bone and the implant surface.
3. An ISQ value is generated and shown on the display. This reflects the level of stability on the universal ISQ scale – from 1 to 99. The higher the ISQ value, the more stable the implant.

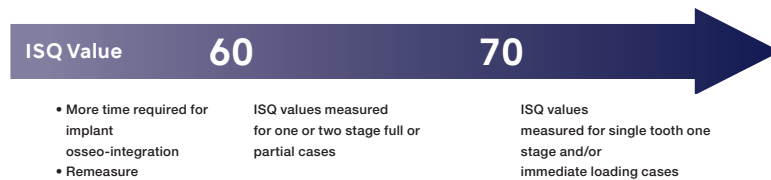


### About ISQ

\*The below is not a clinical recommendation from NSK.

Decreasing micro mobility with increasing ISQ values.

By taking a baseline value at implant placement and another before loading, the degree of osseointegration can be measured.



- 1 . Sennerby L Prof., Implantologie 2013; 21(1): 21-23
- 2 . Kokovic V, Jung R, Feloutzis A, Todovic V, Jurisic M, Hämmerle C. Clinical Oral Implants Research, 00, 2013, 1-6
- 3 . M Bornstein, C Hart, S Halbritter, D Morton, D Buser, Prof. Dr. med. dent. Clin Implant Dent Relat Res 2009
- 4 . Serge Baltayan, Joan Pi-Anfruns, Tara Aghaloo, Peter Moy. J Oral Maxillofac Surg 74:1145-1152, 2016
- 5 . P O Östman, Private practitioner, Falun- and Biomaterial Group, Sahlgrenska Academy Gothenburg. Clinical Implant Dentistry and Related Research, Volume 7, Supplement 1, 2015
- 6 . Daniel Rodrigo, Luis Aracil, Conchita Martin, Mariano Sanz. Clin. Oral Impl. Res. 21, 2010; 255-261
- 7 . Pagliani L, Sennerby L, Petersson A, Verrocchi D, Volpe S & Andersson P. Journal of Oral Rehabilitation 2012
- 8 . P Trisi PhD, T Carlesi DDS, M Colagiovanni DDS, G Perfetti MD, DDS. Journal of Osteology and Biomaterials, Volume 1, Number 3, 2010
- 9 . S Hicklin, E Schneebeli, V Chappuis, S Francesco, M Janner, D Buser, U Brägger. Clin. Oral Impl. Res. 00, 2015; 1-9
10. L. Milillo, C. Fiandaca, F. Giannoulis, L. Ottria, A. Lucchese, F. Silvestre, M. Petruzzi. Oral & Implantology - anno IX - n. 3/2016

### REUTILIZABLE MultiPeg™

- For all major implant systems\*
- Tissue friendly, durable titanium
- Autoclavable appx. 20 times
- Optimal platform fit
- ISQ Standard Calibrated

\*There are different MultiPegs™ available made to fit different implant system and types. Please refer to the updated list from the supplier.



### Stand-alone Osseo 100

#### Contents

- Osseo 100 Instrument
  - MultiPeg Driver
  - Mains adapter and plugs
- MultiPeg™ is not included, sold separately.

MODEL	ORDER CODE
<b>Osseo 100+</b>	<b>Y1004176</b>
<b>Osseo 100</b>	<b>Y1004175</b>

### Specifications

- Power input : 5VDC, 1 VA
- Charger input : 100-240 VAC, 5 VA
- Instrument weight : 100 g
- Battery full charge time : appx. 3 hours.\*
- Battery continuous drive time : appx. 1 hour.\*

\*Varies depending on usage situations.

# iSD900



### Advantages

- Universal to major implant systems
- Reliable and durable contra-angle handpiece with excellent accessibility
- Audible beeping noise to indicate reverse rotation
- Standard battery (AAA Ni-MH) is easily replaced on site
- LCD control panel offering outstanding visibility and operability

### Faster and Safer Implant Treatments

NSK's iSD900 cordless screwdriver helps to safely place and remove cover screws, healing caps and abutments during dental implant procedures, making treatment up to 50% faster.



#### Faster Treatment

NSK's iSD900 cordless screwdriver safely inserts and removes cover screws, healing caps and abutments during implant procedures, making treatment up to 50% faster.



#### Accommodating Diverse Operative Fields

It can be difficult to maintain good visibility of the operating field when retracting the buccal mucosa when using a conventional ratchet wrench with both hands. The iSD900 allows single-handed operations to ensure better visibility across the whole operating field.



#### Torque Calibration System to Guarantee Safety

The unique torque calibration system (TCS) of the iSD900 ensures accurate torque values at all times.



#### Torque Range Accommodating Diverse Procedures and Three Rotation Speeds

NSK's iSD900 has a torque range of 10 Ncm to 40 Ncm to ensure precise torque adjustments and settings in 1 Ncm or 5 Ncm increments according to procedures. The iSD900 offers 15 min<sup>-1</sup>, 20 min<sup>-1</sup>, and 25 min<sup>-1</sup> speeds according to procedure requirements.



### iSD900 Complete Set

MODEL	ORDER CODE
<b>iSD900</b>	<b>Y1001358</b>

- iSD900 Motor • iSD-HP
- Quick Charger for iSD900
- Torque Calibrator
- On/Off Switch Lever

#### Specifications

- Torque: 10 – 40 Ncm in 1 or 5 Ncm increments
- Speed: 15, 20, 25 min<sup>-1</sup>
- Weight: 148 g (iSD900 Motor + iSD-HP)
- Charging Time : Around 90 min\*
- Continuous Operation Time : Max 72 min\*

\*these may change according to the usage environment.

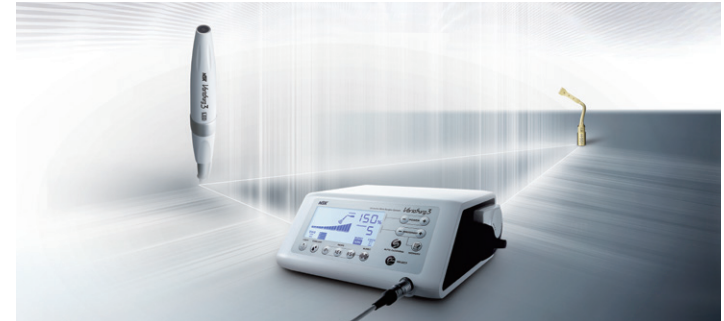
# VarioSurg 3



## Trinity

### Out Standing Ultrasonic Performance

Wattage is not the only factor determining cutting efficiency and performance in ultrasonic surgery. What is important is the power factor between three elements: control unit frequency, handpiece vibration characteristics and tip design for handling high power and cutting efficiency. The VarioSurg 3 effortlessly balances these three elements for the ultimate in ultrasonic performance.

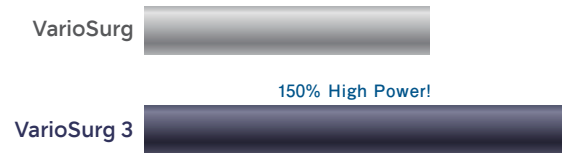


### Stabilizing the Power Balance for More Efficient Procedures

The VarioSurg 3 offers a 50% increase in power in SURG mode compared to previous models, for more effective procedures and shorter treatment times.

(Select tips according to clinical and power requirements)

\*For more than 100% power, you must use the relevant tips.



### Stable Cutting Through Feedback and Auto-tuning Functions

#### Feedback function

This function constantly checks the performance parameters of the ultrasonic unit during operation. It simultaneously controls power output to optimize the level of power depending on the procedure.

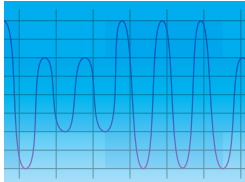
#### Auto-Tuning function

The oscillating frequency is automatically controlled to ensure the set output values are always accurately delivered at the tip to maintain ideal vibration.

## Control Unit

### Compact Body and Large LCD Panel

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute to a safe and user-friendly working environment.



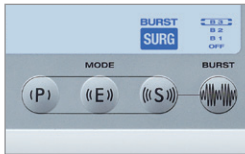
### Advanced BURST Mode

Switching from SURG mode to BURST mode during procedures creates a hammer drill effect capable of cutting through the hardest of tissues. Select from one of three BURST mode levels according to the procedure or density or hardness of the bone.



### Illumination Intensity Adjustable LED Light

LED handpiece illumination can be adjusted at the push of a button, with a choice of three intensity levels to suit the procedure.



### Three Modes

There is a choice of P (PERIO), E (ENDO) and S (SURG) modes to cover a wide range of applications, from bone cutting to post-surgical maintenance.

### Adjustable Irrigation Flow Rate

You can choose from five coolant flow levels with a maximum output of up to 75 mL per minute, to suit operating requirements and tips. Effective irrigation protects bone cells by controlling tip heat.

### Memory Functions for Treatment Procedures and Program Setting

Specific treatment parameters can be stored using the unit's memory function, and are easily accessed using the program button.

## Handpiece

### Super-slim Ergonomic Handpieces

NSK's super-slim LED handpiece offers superior access and outstanding visibility. Excellent balance and ergonomic design facilitate the most accurate procedures and minimise hand and finger fatigue, especially during long procedures.

### Effective Power Transmission with Minimal Heat Generation

By using innovative materials, the VarioSurg 3 handpiece delivers appropriate power from the generator to the tip without loss while minimising heat generation.

### LED Illumination for More Precise Treatments

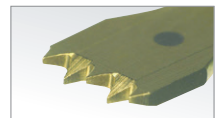
NSK LEDs generate natural daylight-quality light to perfectly illuminate the treatment area, enabling more precise treatments and shortening treatment times. LEDs are safe and do not overheat, even during extended use, and are economical due to their long life. Proprietary twin LED lights eliminate shadows in the treatment area, allowing excellent visibility.



Optic	MODEL	ORDER CODE
●	VS3-LED-HPSC	E1133

• with 2 m cord

The tips are designed to preserve tissue, maintain cutting speed and easily cut into bone. Saw like teeth on an uneven blade edge enhances bone cutting. This also reduces clogging to maintain cutting speed.



# VarioSurg 3



## VarioSurg 3 Complete Set

Optic	MODEL	ORDER CODE
●	<b>VarioSurg 3 (230V)</b>	<b>Y1002726</b>
●	<b>VarioSurg 3 (120V)</b>	<b>Y1002725</b>

### Contents

- Control Unit
- LED Handpiece with 2 m cord
- FC-78 Foot Control
- Sterilization Cassette
- Handpiece Stand
- Irrigation tube (5 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

### Specifications

#### Control Unit

- Frequency : 28-32 kHz • Power Supply : AC 230 V 50/60 Hz • Irrigation Flow Rate : 10-75 mL/min
- Programs : SURG x 5, ENDO x 2, PERIO x 2 • Dimensions : W 265 x D 220 x H 100 mm

## VarioSurg 3 Complete Set without Foot Control

Optic	MODEL	ORDER CODE
●	<b>VarioSurg 3 (230V) Non FT</b>	<b>Y1002248</b>

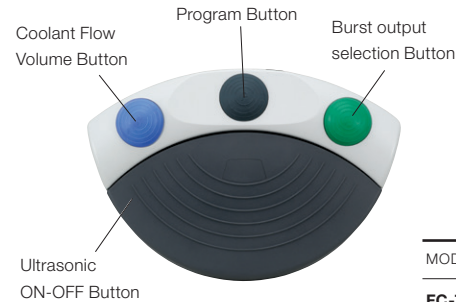
### Contents

- Control Unit
- LED Handpiece with 2 m cord
- Sterilization Cassette
- Handpiece Stand
- Irrigation tube (5 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

## Foot Control

### Hands-Free Program Adjustments Via Foot Control

The VarioSurg 3 foot control conforms with the IPX8 standard for medical foot control systems. All functions are clearly marked and allow accurate and hands-free operation of the unit within the pre-set parameters. Using the metal bar the foot control can easily be re-positioned at any time.

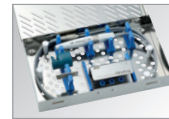


MODEL	ORDER CODE
<b>FC-78</b>	<b>Z1102003</b>

- With 2 m cord

## Sterilization Cassette

The Sterilization Cassette is designed for the safe processing and storage of VarioSurg 3 components.



MODEL	ORDER CODE
<b>VA-SG-CASE</b>	<b>Z313102</b>

- Dimensions : W 281 x D 171.5 x H 47 mm
- Has dedicated compartments for handpiece, cord, tip replacement wrench and tip holders



## SG Link Set (Optional)



MODEL	ORDER CODE
<b>VarioSurg3 Link set (E)</b>	<b>Y1002729</b>

### Contents

- SG Link Stand • SG Link Cable

### Specifications

- SG Link Stand • Dimensions : W 210 x D 300 x H 180 mm
- Weight : 1.85 kg • SG Link Cable • Length : 355 mm

## Carrying Case (Optional)

The Carrying Case neatly stores all VarioSurg 3 components.



MODEL	ORDER CODE
<b>Carrying Case(VarioSurg 3)</b>	<b>Y1002768</b>

- Dimensions : W 534 x D 427 x H 207 mm

# Ultrasonic Surgery Tips

Choose from over 50 ultrasonic tips according to the clinical procedure.

## Bone Surgery



## Scraper



## Sinus Lift



## Sinus Membrane Detachment



## Scaling



## Maintenance (V-Tip)



## Extraction



## Socket Lift (Crestal Approach)



## Implant Preparation



## Perio (Root Planing)



## Endodontics



## Bone Surgery (TIN coating)



POWER LEVEL	MODEL	ORDER CODE
<b>SURG 150%</b>	<b>H-SG1</b>	<b>Z305151</b>

- Dots mark 3, 6 and 9 mm from top of tip
- Five teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	<b>SG1A</b>	<b>Z305138</b>

- Dots mark 3, 6, 9,12 and 15 mm from top of tip
- Five teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	<b>SG2R</b>	<b>Z305102</b>

- Right curved tip\*
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	<b>SG2L</b>	<b>Z305103</b>

- Left curved tip\*
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
<b>SURG 150%</b>	<b>H-SG8</b>	<b>Z305155</b>

- Dots mark 3, 6 and 9 mm from top of tip
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	<b>SG8A</b>	<b>Z305139</b>

- Dots mark 3, 6, 9,12 and 15 mm from top of tip
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
<b>SURG 150%</b>	<b>H-SG8R</b>	<b>Z305156</b>

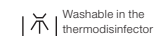
- Marking every 2 and 4 mm from top of tip (Single side)
- Right curved tip\* • Three teeth; 0.6 mm thick



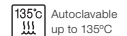
POWER LEVEL	MODEL	ORDER CODE
<b>SURG 150%</b>	<b>H-SG8L</b>	<b>Z305157</b>

- Marking every 2 and 4 mm from top of tip (Single side)
- Left curved tip\* • Three teeth; 0.6 mm thick

\* The direction of the tip's curve is defined by the tip's anterior view.



Washable in the thermodisinfecteur



Autoclavable up to 135°C

Bone Surgery (TIN coating)



MODEL	ORDER CODE
-------	------------

<b>SG14R</b>	<b>Z305122</b>
--------------	----------------

- Right curved tip\*
- Five teeth; 0.6 mm thick



MODEL	ORDER CODE
-------	------------

<b>SG14L</b>	<b>Z305123</b>
--------------	----------------

- Left curved tip\*
- Five teeth; 0.6 mm thick



MODEL	ORDER CODE
-------	------------

<b>SG19</b>	<b>Z305135</b>
-------------	----------------

- Dot mark 3 mm from top of tip
- Five teeth; 0.8 mm thick



MODEL	ORDER CODE
-------	------------

<b>SG30</b>	<b>Z305137</b>
-------------	----------------

- Sharp edge
- 0.5 mm thick



MODEL	ORDER CODE
-------	------------

<b>SG58</b>	<b>Z305141</b>
-------------	----------------

- Dots mark 3, 6 and 9 mm from top of tip
- Three teeth; 0.6 mm thick



MODEL	ORDER CODE
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<b>SG68</b>	<b>Z305143</b>
-------------	----------------

- Marking every 2 and 4 mm from top of tip (Single side)
- Three teeth; 0.6 mm thick

Scraper (TIN coating)



MODEL	ORDER CODE
-------	------------

<b>SG3</b>	<b>Z305104</b>
------------	----------------

- Triple sided edge spatula tip



MODEL	ORDER CODE
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<b>SG4</b>	<b>Z305105</b>
------------	----------------

- Edge spatula tip



MODEL	ORDER CODE
-------	------------

<b>SG5</b>	<b>Z305106</b>
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- Rounded edge spatula tip

Extraction (TIN coating)



MODEL	ORDER CODE
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<b>SG17</b>	<b>Z305132</b>
-------------	----------------

- 0.7 mm thick



MODEL	ORDER CODE
-------	------------

<b>SG18R</b>	<b>Z305133</b>
--------------	----------------

- Right angled tip\* • 0.7 mm thick



MODEL	ORDER CODE
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<b>SG18L</b>	<b>Z305134</b>
--------------	----------------

- Left angled tip\* • 0.7 mm thick

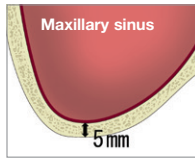
## Specialty Tips Exclusively for Sockets

Used as part of the socket lift method to swiftly perform sinus lift procedures, NSK's new tip lineup is designed for minimal surgical invasiveness.

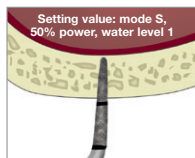
### Process example for elevation of maxillary sinus membrane

A type of implant preparation site for a regular size implant  $\phi 4.0$  mm.

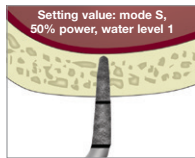
At the case of using VarioSurg



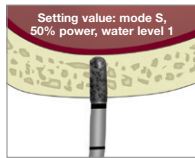
\*A case of around 5 mm from the base of cortical bone to maxillary sinus.  
 \*Bone tissue is type 3 and good condition.  
 \*In addition to positive diagnosis by CT image, the vertical bone width should be diagnosed well and the implant preparation site could be formed until the base of maxillary antrum.



1. Bone cutting to within 1 mm to the base of maxillary antrum by using SG15A tip. Please be careful not to push the tip too much.



2. Repeat bone cutting using SG15B tip to increase width. Please be careful not to push the tip too much.



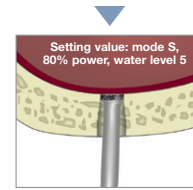
3. Bone cutting by using SG16A tip. The implant preparation site is formed until little of the base of cortical bone remains.



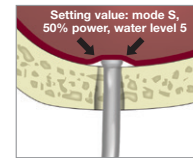
4. Repeat bone cutting by using SG16B tip. The implant preparation site is formed until little of the base of cortical bone remains.



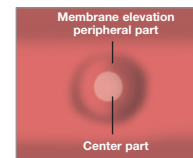
5. Using sufficient water irrigation, the implant preparation site is formed by using SCL2D tip. The water level is set to 5. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane. At the case of using drilling, this step is excluded.



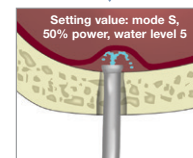
6. Using sufficient water irrigation, the implant preparation site is continued to be formed by using SCL1D tip. The water level is set to 5. The cavity floor of the implant preparation site is cut by using the edge of the top of the tip. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane.



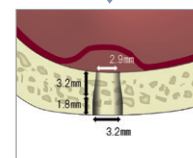
7. The maxillary antrum membrane is exfoliated by using SCL1 tip. The water level is set to 5. Slowly insert the top of the tip between the membrane and bone. Moving the tip along the wall of the implant preparation site will exfoliate the membrane. Please be careful, since the membrane can be torn at the edge (arrow part) between the bone and the membrane.



This image shows the elevated membrane which you will see from the maxillary antrum side. Please check the condition of maxillary antrum membrane using the endoscope.

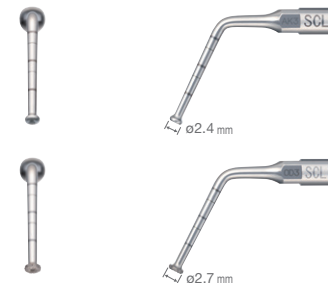


8. The Maxillary antrum membrane can now be elevated by using SCL1 tip.



9. The completed formation of the implant preparation site. At the case of using drilling, the straight implant preparation site of 3.2 mm is formed.

### Socket Lift (Crestal Approach)

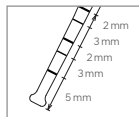


MODEL	ORDER CODE
<b>SCL1</b>	<b>Z305170</b>
• Internal irrigation	
MODEL	ORDER CODE
<b>SCL1D</b>	<b>Z305171</b>
• Internal irrigation • Diamond coating	



Socket Lift (Crestal Approach)

MODEL	ORDER CODE
<b>SCL2D</b>	<b>Z305182</b>
<ul style="list-style-type: none"> <li>• Internal irrigation</li> <li>• Diamond coating</li> </ul>	
MODEL	ORDER CODE
<b>SCL3</b>	<b>Z305172</b>
<ul style="list-style-type: none"> <li>• Internal irrigation</li> </ul>	
MODEL	ORDER CODE
<b>SCL3D</b>	<b>Z305173</b>
<ul style="list-style-type: none"> <li>• Internal irrigation</li> <li>• Diamond coating</li> </ul>	
MODEL	ORDER CODE
<b>SCL4D</b>	<b>Z305184</b>
<ul style="list-style-type: none"> <li>• Internal irrigation</li> <li>• Diamond coating</li> </ul>	
MODEL	ORDER CODE
<b>SCL5</b>	<b>Z305174</b>
<ul style="list-style-type: none"> <li>• Internal irrigation</li> </ul>	
MODEL	ORDER CODE
<b>SCL5D</b>	<b>Z305175</b>
<ul style="list-style-type: none"> <li>• Internal irrigation</li> <li>• Diamond coating</li> </ul>	



The estimated depth of the implant preparation site can be measured with the scale on the Tip.

Sinus Lift

MODEL	ORDER CODE
<b>SG6D</b>	<b>Z305107</b>
MODEL	ORDER CODE
<b>SG7D</b>	<b>Z305108</b>

Sinus Membrane Detachment

MODEL	ORDER CODE
<b>SG9</b>	<b>Z305110</b>
<ul style="list-style-type: none"> <li>• Flat circular convex elevator</li> <li>• Angled at 90°</li> </ul>	
MODEL	ORDER CODE
<b>SG10</b>	<b>Z305111</b>
<ul style="list-style-type: none"> <li>• Flat circular convex elevator</li> <li>• Angled at 135°</li> </ul>	
MODEL	ORDER CODE
<b>SG11</b>	<b>Z305112</b>
<ul style="list-style-type: none"> <li>• Cone compressor</li> </ul>	

Implant Preparation



MODEL	ORDER CODE
<b>SG15A</b>	<b>Z305124</b>
• Diameter of the tip end; 0.7 mm	



MODEL	ORDER CODE
<b>SG15B</b>	<b>Z305125</b>
• Diameter of the tip end; 1.3 mm	



MODEL	ORDER CODE
<b>SG15C</b>	<b>Z305126</b>
• Diameter of the tip end; 0.9 mm	



MODEL	ORDER CODE
<b>SG15D</b>	<b>Z305127</b>
• Diameter of the tip end; 1.3 mm	



MODEL	ORDER CODE
<b>SG16A</b>	<b>Z305128</b>
• Diameter; 2.0 mm	



MODEL	ORDER CODE
<b>SG16B</b>	<b>Z305129</b>
• Diameter; 2.6 mm	

Scaling



MODEL	ORDER CODE
<b>G1-S</b>	<b>Z305113</b>

Perio (Root Planing)



MODEL	ORDER CODE
<b>P20-S</b>	<b>Z305114</b>
• Straight tip	



MODEL	ORDER CODE
<b>P25R-S</b>	<b>Z305115</b>
• Right curved tip*	



MODEL	ORDER CODE
<b>P25L-S</b>	<b>Z305116</b>
• Left curved tip*	

Maintenance (V-Tip)

Perio-Control



V-Tip Holder



MODEL	ORDER CODE
<b>V10-S</b>	<b>Z305117</b>

- Includes E-Tip replacement wrench
- Plastic Tip is not included



MODEL	ORDER CODE
<b>V-P10</b>	<b>Y900184</b>

- Pack of 3
- V10-S holder is not included



MODEL	ORDER CODE
<b>V-P12</b>	<b>Y1002167</b>

- Pack of 3
- V10-S holder is not included



MODEL	ORDER CODE
<b>V-P11R</b>	<b>Y1002165</b>

- Right curved type\* • Pack of 3
- V10-S holder is not included



MODEL	ORDER CODE
<b>V-P11L</b>	<b>Y1002166</b>

- Left curved type\* • Pack of 3
- V10-S holder is not included

■ V-P11R, V-P11L, V-P12 can be used only for VarioSurg 3.

Endodontics



MODEL	ORDER CODE
<b>E30RD-S</b>	<b>Z305118</b>

- For posterior teeth (right angled)



MODEL	ORDER CODE
<b>E30LD-S</b>	<b>Z305119</b>

- For posterior teeth (left angled)



MODEL	ORDER CODE
<b>E31D-S</b>	<b>Z305120</b>

- For anterior and posterior teeth (70°)



MODEL	ORDER CODE
<b>E32D-S</b>	<b>Z305121</b>

- For anterior teeth (90°)



Washable in the thermoisinfectant



Autoclavable up to 135°C

\* The direction of the tip's curve is defined by the tip's anterior view.



Washable in the thermoisinfectant



Autoclavable up to 135°C



MAINTENANCE

# iCare



## Automatically Clean

iCare sets a new standard for handpiece maintenance systems. In one stylish and compact body, it offers you both ease of use and multiple functions to achieve complete lubrication. The proper solution volume is preset based on handpiece type, and maintenance can be initiated at the touch of a button. The chuck cleaning system keeps chucks pristine, and the purging select mode lets you alter purge time depending on the situation for truly comprehensive maintenance. Thanks to its stylish and compact body, iCare is also space efficient and totally in harmony with your working environment.

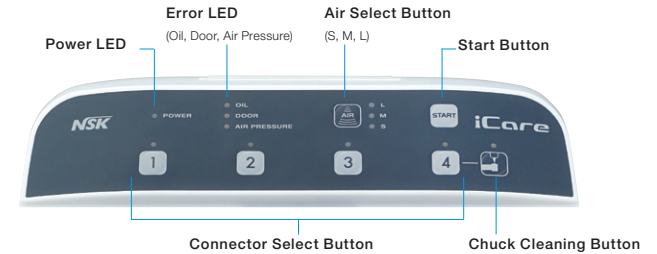
## Preset Proper Solution Volume Based on Handpiece Type

The proper solution volume is preset based on high speed and low speed handpieces, ensuring precise and thorough lubrication at the touch of a button.



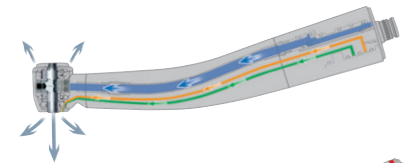
## Ergonomic and Easily Readable Large Panel

Simple One-Touch Operation to Start Lubrication.



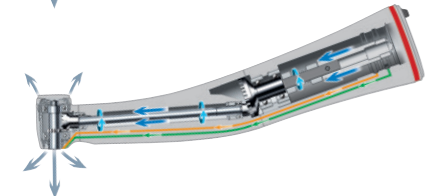
## High Speed Handpieces

iCare meticulously cleans the components of high speed handpieces.



## Low Speed Handpieces

Low speed handpieces incorporate gearing systems that require extra solution penetration. The NSK rotation system guarantees optimum oil delivery to the internal components of all low-speed handpieces.



### Purging Select Mode

After lubrication, you can select from appropriate modes offering different purge lengths.



### Hp Head Filter Prevents Mist Leaks (Optional)

HP Head Filter is made to absorb any spray mist generated, which prevents mist leaks.



### Solution Tank

iCare's big solution tank has a capacity of 1.2 Liters, allowing you to pour in a full one-liter bottle of maintenance solution at once, reducing the necessity for frequent refilling. The enclosed nozzle enables clean and easy refills.

### Chuck Cleaning Function

The chuck cleaning function completely removes dirt and cutting powder from the chuck.



### Easy to Clean

iCare's front door can be completely removed to allow fast, easy cleaning of the system.



### Accommodates Both NSK Handpieces and Those of Other Brands

NSK and all other brands of low speed handpieces connect directly to the coupling supplied. NSK high speed handpieces require the PTL adaptor. Adaptors are available for direct connection of most other brands of high speed handpieces.

### Safe Operation with a Range of Alarm Functions

The alarm LED ensures safe and secure maintenance by alerting you to various situations, including inadequate solution quantity and an un locked front door.

### Stylish and Compact

In the pursuing ultimate ease of use, NSK has given iCare the power to perform automatic maintenance for up to four handpieces at once. iCare is also designed to be simple to set up and space efficient, you can install it virtually anywhere.



### iCare Complete Sets



#### Dual Standard Connectors + Dual Rotation Connectors

MODEL	ORDER CODE
iCare C2 Type	Y1002787



#### Single Standard Connector + Triple Rotation Connectors

MODEL	ORDER CODE
iCare C3 Type	Y1002788

### Contents

- iCare unit • Power cord • Chuck Cleaning Nozzle • Maintenance oil for iCare (1 Liter) • Mist filter set • Oil absorber sheet • Air tube

### Specifications

- Power Supply: AC 100-240 V 50/60 Hz • Air Pressure: 0.5-0.6 MPa (5.0-6.0 kgf/cm<sup>2</sup>) • Weight : 6.5 kg (C2 type / C3 type)
- Dimension : W 280 x D 240 x H 350 (mm) • Solution Tank Capacity : 1.2 L
- Connects only to Midwest 4-hole type • Air piping is necessary (5.0-6.0 kgf/cm<sup>2</sup>)
- Do not use iCare to lubricate air scalers and Phatelus air motors. The iCare lubricating system is not designed to lubricate those particular products. Maintain air scalers and Phatelus air motors as described in the operation manual for each product.
- If blood infiltrates inside a handpiece, iCare may not totally clean the internal handpiece components, and internal blood coagulation may cause product failure. In this case, NSK recommends to immediately lubricate those handpieces with PANA SPRAY Plus.



iCare Adaptors

MODEL		ORDER CODE
<b>PTL Adaptor</b>	• For NSK High Speed Handpieces for PTL-CL-LED Coupling	<b>Z257010</b>
<b>B2/M4 Adaptor</b>	• For Borden 2 hole High Speed Handpieces	<b>T904</b>
<b>KV Adaptor</b>	• For KaVo® High Speed Handpieces for MULTIflex® LUX Coupling	<b>Z257020</b>
<b>SR Adaptor</b>	• For Sirona® High Speed Handpieces for Quick Coupling	<b>Z257023</b>
<b>WH Adaptor</b>	• For W&H® High Speed Handpieces for Roto Quick Coupling	<b>Z257021</b>
<b>BA Adaptor</b>	• For Bien-Air® High Speed Handpieces for Unifix® Coupling	<b>Z280022</b>
<b>F-Type Adaptor</b>	• For ENDO-MATE TC2, DT Heads	<b>Z280042</b>

Check with the dealer for the adaptors to mount other manufactures' handpieces.

Refill Maintenance Oil

MODEL	PRODUCTS	ORDER CODE
<b>Maintenance Oil for iCare</b> (1 Bottle, 1 Liter)		<b>Z016130</b>

MODEL	PRODUCTS	ORDER CODE
<b>Mist Filter Set</b>	 • Pack of 12	<b>Y900159</b>
<b>Oil Absorber Sheet</b>	 • Pack of 10	<b>U433135</b>

Multi Stands



NSK Multi Stand is the convenient way to organize and store NSK high and low speed handpieces and heads. Autoclavable at 135°C.



MODEL	ORDER CODE
<b>Multi Stand Complete</b>	<b>Z036</b>










• For NSK high speed and low speed attachments

MODEL	ORDER CODE
<b>Multi Stand for Phatelus</b>	<b>Z036002</b>

• 3 x Adaptor A • 2 x Adaptor C

Multi Stand Handpiece Adaptors



MODEL		ORDER CODE
<b>Adaptor A</b>	 • For High speed handpieces and Phatelus air motors	<b>Z036201</b>
<b>Adaptor B</b>	 • For E-Type *Low speed handpieces and Phatelus air motor heads	<b>Z036202</b>
<b>Adaptor C</b>	 • For Phatelus and Mach couplings	<b>Z036203</b>
<b>Adaptor KV</b>	 • For KaVo® MULTIflex® LUX	<b>Z036204</b>
<b>Adaptor SR</b>	 • For Sirona® Quick Coupling	<b>Z036205</b>
<b>Adaptor WH</b>	 • For W&H® Roto Quick	<b>Z036207</b>
<b>Adaptor BA</b>	 • For Bien-Air® Unifix®	<b>Z036206</b>
<b>Adaptor F</b>	 • For Endo-Mate TC2 / DT & iSD900 heads	<b>Z036209</b>
<b>Adaptor CJ</b>	 • For Midwest 4 hole & Borden 2/3 hole	<b>Z036210</b>

\*E-Type: Conformable to ISO 3964.

# PANA SPRAY Plus

PANA SPRAY Plus is a specially formulated, highly effective general handpiece and air motor SPRAY Plus will assure handpiece and air motor performance and durability. Apply PANA SPRAY Plus every time before autoclaving any handpiece or air motor.



MODEL	ORDER CODE
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**Pana Spray Plus**      **Z182100**

- For High & Low speed handpieces, and air motors
- 500 mL • Alcohol-contained lubricant

MODEL	ORDER CODE
-------	------------

**Pana Spray Plus Package**      **Y900630**

- PANA SPRAY Plus pack of 6

MODEL	ORDER CODE
 <b>Tip Nozzle</b>	<b>Z020010</b>

## Air Gauge

This gauge measures the drive air pressure of each handpiece tubing. The figure shown on this gauge should correspond with the required air pressure stated on the operation manual of the handpiece. Use of this gauge ensures longer life-time of your handpieces.



MODEL	ORDER CODE
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**SG-4H**      **Z327001**

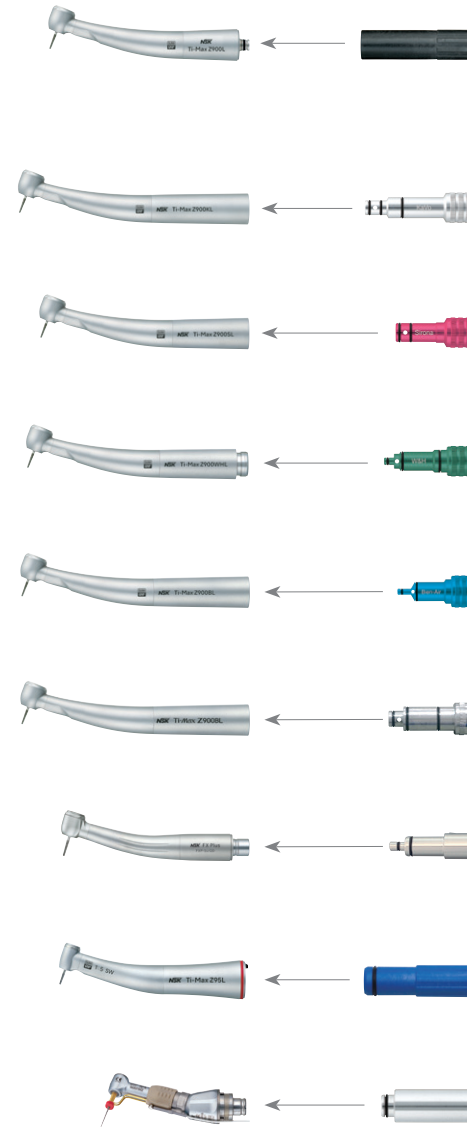
- For Midwest 4 hole & LUX Coupling

MODEL	ORDER CODE
-------	------------

**SG-2/3H**      **Z327002**

- For Borden 2/3 hole

## PANA SPRAY Plus Nozzles



MODEL	ORDER CODE
-------	------------

**Phatelus Spray nozzle**      **P183090**

- For High speed attachments and air motors which attach to Phatelus and Mach Couplings

MODEL	ORDER CODE
-------	------------

**KV Nozzle**      **Z090051**

- For KaVo® MULTIflex® LUX

MODEL	ORDER CODE
-------	------------

**SR Nozzle**      **Z090052**

- For Sirona® Quick Coupling

MODEL	ORDER CODE
-------	------------

**WH Nozzle**      **Z090054**

- For W&H® Roto Quick

MODEL	ORDER CODE
-------	------------

**BA Nozzle**      **Z090053**

- For Bien-Air® Unifix®

MODEL	ORDER CODE
-------	------------

**MHL Spray Nozzle**      **Z090056**

- For Morita TwinPower Turbine 4H Coupling

MODEL	ORDER CODE
-------	------------

**QD Spray Nozzle**      **Z096090**

- For QD Coupling

MODEL	ORDER CODE
-------	------------

**E-Type Spray Nozzle**      **Z019090**

- For E-Type \*attachments

MODEL	ORDER CODE
-------	------------














**F-Type Spray Nozzle**      **Z256090**





- For Endo-Mate TC2 / DT & iSD900 heads

\*E-Type: Conformable to ISO 3964.



# Handpieces Air Pressures

MODEL		Air Pressures MPa (kgf/cm <sup>2</sup> )
Air Turbine	 Ti-Max Z	<b>0.25-0.30 MPa</b> (2.5-3.0 kgf/cm <sup>2</sup> )
	 S-Max M	<b>PTL:</b> <b>0.20-0.25 MPa</b> (2.0-2.5 kgf/cm <sup>2</sup> )
	 S-Max pico	<b>K,KL,SL,W,WL,WLED,BL,BLED:</b> <b>0.25-0.30 MPa</b> (2.5-3.0 kgf/cm <sup>2</sup> )
	 Ti-Max X450	<b>0.25-0.30 MPa</b> (2.5-3.0 kgf/cm <sup>2</sup> )
	 DynaLED	<b>0.20-0.25 MPa</b> (2.0-2.5 kgf/cm <sup>2</sup> )
	 FX Plus	<b>0.18-0.22 MPa</b> (1.8-2.2 kgf/cm <sup>2</sup> )
	 PanaAir FX	<b>PTL,M4,B2:</b> <b>0.20-0.25 MPa</b> (2.0-2.5 kgf/cm <sup>2</sup> ) <b>KV:</b> <b>0.25-0.30 MPa</b> (2.5-3.0 kgf/cm <sup>2</sup> )
	 PRESTO AQUA LUX	<b>0.25-0.30 MPa</b> (2.5-3.0 kgf/cm <sup>2</sup> )
	 PRESTO AQUA II	
	 PRESTO II	<b>0.20-0.25 MPa</b> (2.0-2.5 kgf/cm <sup>2</sup> )
Air Motor	 Ti-Max X205L	
	 S-Max M205	<b>0.20-0.25 MPa</b> (2.0-2.5kgf/cm <sup>2</sup> )
	 FX205	

MODEL		Air Pressures MPa (kgf/cm <sup>2</sup> )
Oral Hygiene	 Ti-Max S970	<b>0.30 MPa</b> (3.0 kgf/cm <sup>2</sup> )
	 AS2000	<b>0.28 MPa</b> (2.8 kgf/cm <sup>2</sup> )
	 Prophy-Mate neo	<b>0.27-0.40 MPa</b> (2.7-4.0 kgf/cm <sup>2</sup> )
	 Perio-Mate	<b>0.30-0.40 MPa</b> (3.0-4.0 kgf/cm <sup>2</sup> )



DENTAL LABORATORY

# ULTIMATE XL series



## Great Hands Need Great Tools

The ULTIMATE XL Series offers a choice of four control units, according to space and user requirements. All functions are controlled by NSK's microcomputer which maintains smooth starting and stopping ensuring excellence in overall operability.





### Advantages

- Lightweight and compact body
- Long-term durability
- Ergonomic shaped handpiece
- Minimal noise and vibration
- Special dust proof mechanism



### ULTIMATE XL Series

Choice of 2 micromotors and 4 control units are available.

— Bench type — ULTIMATE XL	— Tower type — ULTIMATE XL-D	— Knee type — ULTIMATE XL-K	— Floor type — ULTIMATE XL-F
			
UMXL-G	UMXL-D	UMXL-K	UMXL-F

# ULTIMATE XL

## Bench Top System



### Features

- Speed of 1,000-50,000 min<sup>-1</sup>
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Brushless

\* Not applicable to connect with an air turbine handpiece

	MODEL	ORDER CODE
<b>Torque</b>	<b>UMXL-GT</b>	<b>Y141469</b>
<b>Compact</b>	<b>UMXL-GC</b>	<b>Y141470</b>

### Specifications

- Power Supply: AC 230 V 50/60 Hz
  - Weight: 2.8 kg
  - Dimensions : W 167 x D 247 x H 77 mm
- Contents
- Control unit • Micromotor Handpiece
  - Foot Control • Handpiece Stand

# ULTIMATE XL-D

## Bench Top Tower System



### Features

- Speed of 1,000-50,000 min<sup>-1</sup>
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

	MODEL	ORDER CODE
<b>Torque</b>	<b>UMXL-DT</b>	<b>Y141504</b>
<b>Compact</b>	<b>UMXL-DC</b>	<b>Y141505</b>

### Specifications

- Power Supply: AC 230 V 50/60 Hz • Weight: 3.3 kg
  - Dimensions: W 81 x D 270 x H 230 mm
- Contents
- Control unit • Micromotor Handpiece • Foot Control
  - Handpiece Stand

An optional bracket is available for wall mounting.



# ULTIMATE XL-K

## Knee Control System



### Features

- Speed of 1,000-50,000 min<sup>-1</sup>
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

	MODEL	ORDER CODE
<b>Torque</b>	<b>UMXL-KT</b>	<b>Y141495</b>
<b>Compact</b>	<b>UMXL-KC</b>	<b>Y141496</b>

### Specifications

- Power Supply: AC 230 V 50/60 Hz • Weight: 3.2 kg
  - Dimensions : W 90 x D 270 x H 230 mm
- Contents
- Control unit • Micromotor Handpiece • Handpiece Stand

# ULTIMATE XL-F

## Floor Type Foot Control System



### Features

- Speed of 1,000-40,000 min<sup>-1</sup> • Auto Cruise Function
  - Available to connect with an air turbine adaptor
  - Brushless
- \* Speed and all other function are controlled via foot control. For safety, maximum speed preset to 40,000 min<sup>-1</sup>.

	MODEL	ORDER CODE
<b>Torque</b>	<b>UMXL-FT</b>	<b>Y141513</b>
<b>Compact</b>	<b>UMXL-FC</b>	<b>Y141514</b>

### Specifications

- Power Supply: AC 230 V 50/60 Hz • Weight: 3.8 kg
  - Dimensions: W 230 x D 292 x H 113 mm
- Contents
- Control unit • Micromotor Handpiece • Handpiece Stand

# ULTIMATE XL-E

## Bench Top System



MODEL	ORDER CODE
<b>UMXL-GE (230V)</b>	<b>Y1002113</b>

### Contents

- Control unit
- E type Micromotor Only (No Attachment)
- Foot Control • Handpiece Stand

# ULTIMATE XL

## Features

- Ripple-free smooth rotation with 180° vector control system
- Powerful and stable torque across the entire speed range
- Easy-to-hold handpiece design ensures precision
- Lightweight compact body reduces hand fatigue and improves balance
- Unique dust-proof mechanism prevents contamination therefore achieving higher durability
- Minimal vibration, and noise from hermetically shielded micromotor unit
- Approximately 30% increased chuck strength enables you to work on a wider variety of materials
- Brushless



## Torque Micromotor & Cord

- Speed: 1,000-50,000 min<sup>-1</sup>
- Max. Torque : 8.7 Ncm

MODEL	ORDER CODE
<b>UMXL-T 2M</b>	<b>Y141441</b>

- Dimensions : L 151 x ø29 mm
- Weight : 215 g (Cord not included)
- Cord Length : 2 m



## Compact Micromotor & Cord

- Speed: 1,000-50,000 min<sup>-1</sup>
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
<b>UMXL-C 2M</b>	<b>Y141445</b>

- Dimensions : L 144 x ø27 mm
- Weight : 181 g (Cord not included)
- Cord Length : 2 m



## E-type Micromotor & Cord

- Speed: 1,000-50,000 min<sup>-1</sup>
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
<b>UMXL-EM 2M</b>	<b>E342002</b>

- Dimensions : L 118 x ø27 mm
- Weight : 129 g (Cord not included)
- Cord Length : 2 m

# Turbine Adaptor TA50

For ULTIMATE XL-D, XL-K and XL-F

TA50 air turbine adaptor allows you to quickly switch power source between air turbine handpiece and electric micromotor. Both handpieces are equally controllable with a single foot control or knee control.



MODEL	ORDER CODE
<b>TA50</b>	<b>U375</b>

• Turbine adaptor • W 75 x D 100 x H 30 mm

Air turbine



PRESTO AQUA LUX



PRESTO AQUA II



PRESTO II

Turbine Adaptor TA50

\* The air turbine is operated via the ULTIMATE XL foot control.



ULTIMATE XL-D



ULTIMATE XL-K



ULTIMATE XL-F

# VOLVERE i7



## Features

- Light and compact to fit into the smallest space
- Microcomputer Control
- Ecological Design
- Auto Cruise Function
- Overload alarm system

## Standard Micromotor

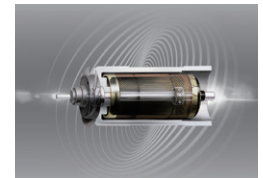


## E-Type Micromotor



## High Torque, High Efficiency Coreless Motor

The micromotor in the VOLVERE i7 handpiece has no core and generates less rotary momentum. This contributes to the controllability of the rotation speed and reduces uneven rotation. In addition, this motor has higher power efficiency compared to a conventional motor and can maintain constant speed even at high speeds.



- Special Dust Proof Mechanism
- High Precision
- Light and Compact
- Low Vibration & Low Noise



## VOLVERE i7 Complete Sets

	MODEL	ORDER CODE
Standard	VOLVERE i7 RM	Y1002890
E-Type Without Handpiece	VOLVERE i7 E	Y1003523

## Contents

- Control unit • Micromotor Handpiece • Foot control • Handpiece Stand

## Specifications

- Control Unit** • Power Supply : AC 230 V 50/60 Hz • Dimensions : W 69 x D 185 x H 167 mm • Weight : 930 g
- Standard Type Motor Handpiece** • Speed : 1,000-35,000 min<sup>-1</sup> • Max. Torque : 4.1 Ncm • Dimensions : L 145 x ø24.5 mm • Weight : 192 g (without cord) • Cord Length : 1.2 m
- E-Type Motor Handpiece** • Speed : 1,000-35,000 min<sup>-1</sup> • Max. Torque : 4.1 Ncm • Dimensions : L 109.3 x ø24.5 mm • Weight : 118 g (without cord) • Cord Length : 1.2 m

# PRESTO AQUA LUX

## LIGHT + WATER

Near-daylight LED technology illuminates with pinpoint accuracy. From mist to drops - complete spray control. Light and water combination means precise control across a broad area.



### LED Light Enables You to Work More Efficiently

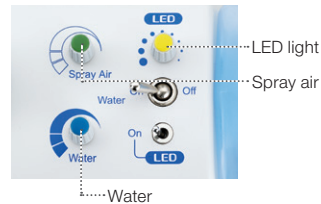
- Accurate lighting at the point of operation does not hide any detail, allowing you to focus on your work more easily.
- LED illuminates fine unevenness and air bubbles of the internal frames which can not be illuminated under the normal bench lighting, thus dramatically improving the quality of internal adjustments.
- Enables precise work and materials assessment under the microscope, which improves efficiency and reduces fatigue.

## Advantages

- Simple and easy removal of the water bottle
- On-Off function of LED light and water coolant spray
- Capable of running independently with the incorporated water bottle or connected to mains water supply



### Easy adjustment of the water coolant spray, LED light and spray air



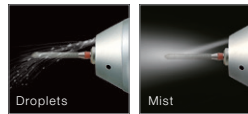
## PRESTO AQUA LUX Complete Set

MODEL	ORDER CODE
<b>PRESTO AQUA LUX</b>	<b>Y1001151</b>

### Contents

- PRESTO AQUA LUX Control unit
- PRESTO AQUA LUX handpiece
- PR-AQL Hose
- Foot control (AFC-40)
- Secondary hose for PRESTO
- Handpiece stand
- PRESTO AQUA LUX Cord
- AC Adaptor

## PRESTO AQUA LUX Handpiece



### Water Coolant Options



Optic	MODEL	ORDER CODE
●	<b>PRA-LUX-HP</b>	<b>T1002</b>

- PRESTO AQUA LUX handpiece

Optic	MODEL	ORDER CODE
—	<b>PR-AQL Hose</b>	<b>Z1050</b>

- LED incorporated

# PRESTO AQUA II

## Lube Free Air Turbine Handpiece with Water Spray

### Advantages

- Simple and easy removal of the water bottle
- Seamless adjustments of water volume and spray air
- On-off function of water coolant spray
- Capable of running independently with the incorporated water bottle or connected to mains water supply



## PRESTO AQUA II Complete Set

Optic	MODEL	ORDER CODE
—	<b>PRESTO AQUA II</b>	<b>Y150023</b>

### Contents

- PRESTO AQUA II unit
- PRESTO AQUA handpiece
- QD-J B3 coupling
- Hose for PRESTO AQUA II
- Foot control (AFC-40)
- Secondary hose for PRESTO

## PRESTO AQUA Handpiece

- 320,000 min<sup>-1</sup>
- Water coolant spray
- Water coolant options
- Requires no lubrication
- Swivel twist-free handpiece
- Low noise and vibration
- Unique dust-proof mechanism



Optic	MODEL	ORDER CODE
—	<b>PRA-HP</b>	<b>T816</b>

- PRESTO AQUA handpiece

Optic	MODEL	ORDER CODE
—	<b>QD-J B3</b>	<b>T354051</b>

- PRESTO AQUA coupling

# PRESTO II

## Lube Free Air Turbine Handpiece

### Advantages

- Lightweight and compact



## PRESTO II Complete Set

Optic	MODEL	ORDER CODE
—	<b>PRESTO II</b>	<b>Y150022</b>

### Contents

- PRESTO II unit
- PRESTO handpiece
- Handpiece stand
- Hose for PRESTO
- Foot control (AFC-40)
- Secondary hose for PRESTO

## PRESTO Handpiece

- 320,000 min<sup>-1</sup>
- Requires no lubrication
- Low noise and vibration
- Unique dust-proof mechanism



Optic	MODEL	ORDER CODE
—	<b>PR-HP</b>	<b>T815</b>




- Includes 2 m hose









SPARE PARTS / COMPONENTS





Couplings P.16-18




MODEL	PRODUCTS	ORDER CODE
<b>Non-Retraction Valve</b>		<b>P401054</b>
<b>LED Assy</b>		<b>P1001066</b>
<b>TA Bulb</b> Pack of 3		<b>Y900132</b>

Ti-Max Z Series P.23-29





MODEL	PRODUCTS	ORDER CODE
<b>TiZ-MU03</b> Cartridge for Miniature head		<b>Y1002075</b>
<b>TiZ-SU03</b> Cartridge for Standard head		<b>Y1002076</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>
<b>LED Assy</b>		<b>P1001066</b>

S-Max M Series P.30-33



MODEL	PRODUCTS	ORDER CODE
<b>SX3-MU03</b> Cartridge for Miniature head		<b>P1280</b>
<b>SX3-SU03</b> Cartridge for Standard head		<b>P1281</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>
<b>LED Assy</b>		<b>P1001066</b>

MODEL	PRODUCTS	ORDER CODE
<b>PTL Bulb</b> Pack of 3		<b>Y900529</b>
<b>O-ring Set</b> For KCL / LED		<b>Y900211</b>
<b>SCL O-ring</b>		<b>D0312055100</b>



MODEL	PRODUCTS	ORDER CODE
<b>TiZ-MU04</b> Head cap for Miniature head		<b>P1051050</b>
<b>TiZ-SU04</b> Head cap for Standard head		<b>P1052050</b>
<b>TiZ-MU05</b> Head cap wrench for miniature head		<b>Z265006</b>
<b>TiZ-SU05</b> Head cap wrench for standard head		<b>Z265007</b>

MODEL	PRODUCTS	ORDER CODE
<b>TA Bulb</b> Pack of 3		<b>Y900132</b>
<b>SX-MU04</b> Head cap for Miniature head		<b>P1001500</b>
<b>SX-SU04 (YOS)</b> Head cap for Standard head		<b>P1027500</b>
<b>SX-SU05</b> Head cap wrench for Miniature head & Standard head		<b>20000535</b>





S-Max pico Series P.34-39

MODEL	PRODUCTS	ORDER CODE
<b>SX-PU03</b> Cartridge for S-Max pico		<b>P1140200</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>
<b>LED Assy</b>		<b>P1001066</b>




Ti-Max X450 Series P.40-43



MODEL	PRODUCTS	ORDER CODE
<b>TiX45-SU03</b> Cartridge for Standard head		<b>Y1001906</b>
<b>TiX45-SU04</b> Head cap for Standard head		<b>P1078500</b>



DynaLED P.44-47


MODEL	PRODUCTS	ORDER CODE
<b>SX-MU03</b> Cartridge for Miniature head		<b>P1001250</b>
<b>SX-SU03</b> Cartridge for Standard head		<b>P1002250</b>
<b>SX-MU04</b> Head cap for M500LG B2		<b>P1001500</b>
<b>SX-SU04</b> Head cap for M600LG B2		<b>P1002500</b>



FX Plus P.48-49

MODEL	PRODUCTS	ORDER CODE
<b>SX3-MU03</b> Cartridge for Miniature head		<b>P1280</b>
<b>SX3-SU03</b> Cartridge for Standard head		<b>P1281</b>
<b>SX-MU04</b> Head cap for Miniature head		<b>P1001500</b>

MODEL	PRODUCTS	ORDER CODE
<b>SX-PU04</b> Head cap for S-Max pico		<b>P1140500</b>
<b>SX-PU05</b> Head cap wrench for S-Max pico		<b>20002803</b>

MODEL	PRODUCTS	ORDER CODE
<b>LED Assy</b>		<b>P1001066</b>
<b>PTL-O-ring Set</b> Pack of 5		<b>Y900580</b>







MODEL	PRODUCTS	ORDER CODE
<b>SX-MU04 (YOS)</b> Head cap for M500LG M4		<b>P1026500</b>
<b>SX-SU04 (YOS)</b> Head cap for M600LG M4		<b>P1027500</b>
<b>SX-MU04 (DQD)</b> Head cap for M500LG QD		<b>P1109500</b>
<b>SX-SU04 (DQD)</b> Head cap for M600LG QD		<b>P1108500</b>

MODEL	PRODUCTS	ORDER CODE
<b>SX-SU04(YOS)</b> Head cap for Standard head		<b>P1027500</b>
<b>SX-SU05</b> Head cap wrench for Miniature head & Standard head		<b>20000535</b>

**PanaAir FX P.50-53**

MODEL	PRODUCTS	ORDER CODE
<b>PAX2-SU03</b> Cartridge for PAF-SU		<b>P1190</b>
<b>PAX2-TU03</b> Cartridge for PAF-TU		<b>P1216</b>
<b>PAX2R-S03</b> Cartridge for PAF-S		<b>T1040</b>
<b>PAX2R-T03</b> Cartridge for PAF-T		<b>T1066</b>
<b>PAX2-SU04</b> Head cap for PAF-SU		<b>P1190050</b>






**Ti-Max X Series**


MODEL	PRODUCTS	ORDER CODE
<b>TiX-MU03</b> Cartridge for Miniature Head		<b>Y900200</b>
<b>TiX-SU03</b> Cartridge for Standard Head		<b>Y1001022</b>
<b>TiX-TU03</b> Cartridge for Torque Head		<b>Y1001023</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>
<b>LED Assy</b>		<b>P1001066</b>
<b>TA Bulb</b> Pack of 3		<b>Y900132</b>

MODEL	PRODUCTS	ORDER CODE
<b>PAX2-TU04</b> Head cap for PAF-TU		<b>P1216050</b>
<b>PAX2R-S04</b> Head cap for PAF-S		<b>T1040050</b>
<b>PAX2R-T04</b> Head cap for PAF-T		<b>T1066050</b>
<b>PAX2-SU05</b>		<b>P1190765</b>
<b>Bur Wrench</b>		<b>T100702</b>






MODEL	PRODUCTS	ORDER CODE
<b>TiX-MU04</b> Head cap for Miniature Head		<b>P067050</b>
<b>TiX-SU04</b> Head cap for Standard Head		<b>P068050</b>
<b>TiX-TU04</b> Head cap for Torque Head		<b>P069050</b>
<b>Head Cap Wrench for X500</b>		<b>Z265005</b>
<b>Head Cap Wrench for X600</b>		<b>Z265004</b>
<b>Head Cap Wrench for X700</b>		<b>Z265003</b>





**Ti-Max AL, AKL, ASL, AWL, ABL, A Series**

MODEL	PRODUCTS	ORDER CODE
<b>Ti-MU03</b> Cartridge for Miniature Head		<b>P057</b>
<b>Ti-SU03</b> Cartridge for Standard Head		<b>P058</b>
<b>Ti-TU03</b> Cartridge for Torque Head		<b>P059</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>
<b>TA Bulb</b> Pack of 3		<b>Y900132</b>



MODEL	PRODUCTS	ORDER CODE
<b>Ti-MU04</b> Head cap for Miniature Head		<b>P057050</b>
<b>Ti-SU04</b> Head cap for Standard Head		<b>P058050</b>
<b>Ti-TU04</b> Head cap for Torque Head		<b>P059050</b>
<b>Ti-MU05</b> Head cap wrench for Miniature Head		<b>Z265002</b>
<b>TF-SU05</b> Head cap wrench for Standard and Torque Head		<b>Z265001</b>



**Mach-Lite XT / Mach 2 / 200L / 300L / 400L Series**

MODEL	PRODUCTS	ORDER CODE
<b>NMC-MU03</b> Cartridge for Miniature Head		<b>P047</b>
<b>NMC-SU03</b> Cartridge for Standard Head		<b>P045</b>
<b>NMC-TU03</b> Cartridge for Torque Head		<b>P046</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>
<b>TA Bulb</b> Pack of 3		<b>Y900132</b>


MODEL	PRODUCTS	ORDER CODE
<b>NMC-MU04</b> Head cap for Miniature Head		<b>P047050</b>
<b>NCH-MU04</b> Head cap for Standard Head		<b>P040050</b>
<b>NCH-TU04</b> Head cap for Torque Head		<b>P042050</b>
<b>MC-SU05</b> Head cap wrench for Miniature, Standard and Torque Head		<b>P040765</b>

**Ti-Max 450**







MODEL	PRODUCTS	ORDER CODE
<b>NCH-SU03</b> Cartridge for Standard Head		<b>P041</b>
<b>NCH-MU04</b> Head cap for Standard Head		<b>P040050</b>

MODEL	PRODUCTS	ORDER CODE
<b>TA Bulb</b> Pack of 3		<b>Y900132</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>

**Pana-Max Series**



MODEL	PRODUCTS	ORDER CODE
<b>PAX-SU03</b> Cartridge for Standard head, includes O-ring & wave washer		<b>Y900772</b>
<b>PAX-TU03</b> Cartridge for Torque head, includes O-ring & wave washer		<b>Y900773</b>
<b>PAX-SU04</b> Head cap for Standard Head		<b>P074050</b>







**Pana Air Σ Series**




MODEL	PRODUCTS	ORDER CODE
<b>NPA-MU03</b> Miniature UP Cartridge		<b>P004</b>
<b>NPA-SU03</b> Standard UP Cartridge		<b>P014</b>
<b>NPA-TU03</b> Torque UP Cartridge		<b>P024</b>
<b>NPA-M03</b> Miniature Cartridge		<b>T004</b>
<b>NPA-S03</b> Standard Cartridge		<b>T014</b>
<b>NPA-T03</b> Torque Cartridge		<b>T034</b>

**FX Series P.68-71**

MODEL	PRODUCTS	ORDER CODE
<b>FX25-04</b> Head cap for FX25, FX23		<b>C1052500</b>
<b>FX25-03</b> Cartridge for FX25		<b>C1052700</b>
<b>FX23-03</b> Cartridge for FX23		<b>C1056700</b>
<b>FX Spray nozzle</b> For FX25, FX23, FX15		<b>C1052702</b>

MODEL	PRODUCTS	ORDER CODE
<b>PAX-TU04</b> Head cap for Torque Head		<b>P075050</b>
<b>PAX-SU05</b> Head cap wrench for Standard and Torque Head		<b>P074765</b>







MODEL	PRODUCTS	ORDER CODE
<b>Bur Wrench</b> For Miniature		<b>T102702</b>
<b>Bur Wrench</b> For Standard & Torque		<b>T100702</b>
<b>PA-S04</b> Miniature, Standard Head cap		<b>T110290</b>
<b>PA-T04</b> Torque Head cap		<b>T130290</b>
<b>PA-S07</b> Miniature, Standard Head cap wrench		<b>T110765</b>
<b>MC-SU05</b> Torque Head cap wrench		<b>P040765</b>


MODEL	PRODUCTS	ORDER CODE
<b>Spray Nozzle</b> For FX65		<b>H019711</b>
<b>FX Wrench</b> For FX25, FX23		<b>C1052701</b>
<b>Tube</b>		<b>Z166101</b>






**EX Series / Ti-Max X95EX**

MODEL	PRODUCTS	ORDER CODE
<b>FPB-03</b> Cartridge for FPB		<b>C875060</b>
<b>NAC-03</b> Cartridge for NAC		<b>C030011</b>
<b>BB-03</b> Cartridge for BB		<b>C037015</b>
<b>NBB-03</b> Cartridge for NBEW		<b>C210015</b>
<b>FFB-03</b> Cartridge for FFB		<b>C884060</b>
<b>Spray Nozzle</b> For NAC, BB, FPB, FFB, TEP		<b>C032701</b>

**NLZ P.76-79**


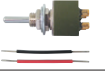
MODEL	PRODUCTS	ORDER CODE
<b>O-ring Set</b>		<b>Y1003728</b>
<b>O-ring</b>		<b>D0312010050</b>
<b>NLZ</b>		<b>E1152051</b>
<b>NLZ E U</b>		<b>U1142002</b>
<b>NLZ CD</b>		<b>E1152061</b>
<b>Purge Nozzle</b>		<b>Z1259080</b>

MODEL	PRODUCTS	ORDER CODE
<b>Spray Nozzle</b> For EX-5B, EX-6B		<b>H019711</b>
<b>FPB-02</b> Middle Gear		<b>C875012</b>
<b>NAC-02</b> Middle Gear		<b>C032012</b>
<b>Cap Wrench</b> for AR-Y(S)		<b>C185751</b>
<b>Cap Wrench</b> Black		<b>C071751</b>
<b>Tube</b>		<b>Z166101</b>




MODEL	PRODUCTS	ORDER CODE
<b>NLAC</b>		<b>U499001</b>
<b>AC Cord</b>		<b>U439550</b>
<b>NLZ STAY</b>		<b>Z1321</b>
<b>NLZ U BRACKET</b>		<b>Z1322</b>
<b>NLZ MOUNTING PLATE</b>		<b>Z1323</b>

SPARE PARTS / COMPONENTS

**Built-in P.106**

MODEL	PRODUCTS	ORDER CODE
<b>Potentiometer Set</b> Potentiometer for Varios 170/Lux		<b>Y1001440</b>
<b>3 Mode Select Switch Set</b> 3 Mode Select Switch for Varios 170/Lux		<b>Y1001793</b>




**Micromotors**

MODEL	PRODUCTS	ORDER CODE
<b>TA-LED Assy</b>		<b>10001791</b>
<b>TA Bulb</b> Pack of 3 for T140, T1205L		<b>Y900132</b>
<b>TM Bulb</b> Pack of 3 for Tim40, T1205L		<b>Y900078</b>

**Varios Combi Pro P.94-101**













MODEL	PRODUCTS	ORDER CODE
<b>Chamber</b> (For Prophy use)		<b>U1135018</b>
<b>Chamber</b> (For Perio use)		<b>U1135019</b>
<b>Handpiece Hose</b> (For Prophy use)		<b>T1051001</b>
<b>Handpiece Hose</b> (For Perio use)		<b>T1053001</b>
<b>Powder Handpiece</b> (For Prophy use)		<b>T1074001</b>
<b>Powder Handpiece</b> (For Perio use)		<b>T1077001</b>
<b>Nozzle</b> (For Prophy use)		<b>T1074012</b>
<b>Nozzle</b> (For Perio use)		<b>T1077012</b>
<b>VCP Bottle Set</b> Bottle and Cap		<b>U1135017</b>

MODEL	PRODUCTS	ORDER CODE
<b>Solenoid Valve</b>		<b>U387014</b>

MODEL	PRODUCTS	ORDER CODE
<b>O-ring set</b> Pack of 3 for all models		<b>M154060</b>
<b>O-ring</b>		<b>D0313084070</b>
<b>O-ring Complete set</b> Pack of 4 for all models		<b>E1135083</b>

MODEL	PRODUCTS	ORDER CODE
<b>VA2-LUX-HP</b> Optic Handpiece		<b>E351050</b>
<b>VA2LUX-SC</b> Handpiece Cord for VA2LUX		<b>E351054</b>
<b>FC-79</b> Foot Control		<b>Z1256001</b>
<b>Water Filter Set</b> 3.6 m		<b>U1135078</b>
<b>Water Filter</b>		<b>U387042</b>
<b>Water Filter Set</b>		<b>Y900069</b>
<b>Water Pressure Reducing Valve</b>		<b>U1135093</b>
<b>CR-10</b> Tip Wrench		<b>Z221076</b>
<b>Tip Holder</b>		<b>Z221A080</b>

**Varios Combi Pro P.94-101**

MODEL	PRODUCTS	ORDER CODE
<b>Tip Cover L</b>		<b>Z217850</b>
<b>Tip Cover S</b>		<b>Z217851</b>
<b>Sterilization case</b>		<b>Z1035001</b>
<b>Irrigation Pump</b>		<b>U1135079</b>
<b>O-ring set (Chamber Base Connector)</b> (Pack of 5)		<b>Y1003435</b>
<b>Chamber Cap</b>		<b>U1135089</b>
<b>O-ring</b> For Chamber Cap		<b>Y1003545</b>
<b>O-ring set</b> (Irrigation Bottle)		<b>Y1003544</b>
<b>O-ring</b> 1 for the Handpiece Cord		<b>Y1003546</b>
<b>O-ring set</b> Handpiece Hose		<b>Y1003500</b>
<b>O-ring set</b> (Nozzle)		<b>Y1003501</b>
<b>Air Hose</b> 3.6 m		<b>D0914406036</b>

MODEL	PRODUCTS	ORDER CODE
<b>Spanner Wrench</b> 5x8 (Pack of 2)		<b>Y1001301</b>
<b>Ring Wrench</b>		<b>T1074601</b>
<b>E Tip Replacement Wrench</b>		<b>Z217399</b>
<b>Perio-Mate Nozzle Tip</b> (Pack of 40)		<b>Y1002741</b>
<b>Nozzle Tip Remover</b>		<b>T1043751</b>
<b>Lubrication Oil</b>		<b>Z016112</b>
<b>Cleaning Wire (L)</b>		<b>T798091</b>
<b>Cleaning Wire (S)</b>		<b>T798095</b>
<b>Cleaning File</b>		<b>T798092</b>
<b>Cleaning Brush</b>		<b>T798093</b>
<b>Unlocking tool</b>		<b>U1135256</b>
<b>Fuse</b>		<b>D1202220010</b>

















Varios 970 / 570 / 370 / 170 P.102-106

MODEL	PRODUCTS	ORDER CODE
<b>VA2-LUX-HP</b> Optic Handpiece		<b>E351050</b>
<b>VA2-HP</b> Non-Optic Handpiece		<b>E350050</b>
<b>VA970LUX-SC</b> Handpiece Cord for Varios 970 LUX		<b>E351055</b>
<b>VA970-SC</b> Handpiece Cord for Varios 970		<b>E350055</b>
<b>VA170LUX-SC</b> Handpiece Cord for Varios 170 LUX		<b>E351056</b>
<b>VA170-SC</b> Handpiece Cord for Varios 170		<b>E350056</b>
<b>FC-70</b> Foot Control (2,5 m)		<b>Z1008001</b>
<b>FC-71</b> Foot Control (5 m) for Varios 370		<b>Z1008002</b>
<b>AC Adaptor</b> (2 m) For Varios 570		<b>Y1001762</b>
<b>AC Adaptor</b> (5 m) For Varios 370		<b>Y1001790</b>
<b>Water Supply Connector</b>		<b>U387030</b>
<b>Water Filter Set (2 m)</b> 2 water supply tube, water filter, water filter case		<b>U387040</b>
<b>Water Filter Set (4 m)</b> For Varios 370 2 water supply tube, water filter, water filter case		<b>U1007080</b>
<b>Water Supply Tube</b> (2 m)		<b>U387580</b>
<b>Water Supply Tube</b> (4 m) For Varios 370		<b>D0914406040</b>
<b>Water Filter Case</b>		<b>Y900069</b>
<b>Water Filter</b>		<b>U387042</b>

MODEL	PRODUCTS	ORDER CODE
<b>Tube Ring</b> (Pack of 2)		<b>Y900077</b>
<b>CR-10</b> Tip Wrench		<b>Z221076</b>
<b>E Tip Replacement Wrench</b>		<b>Z217399</b>
<b>Tip Holder</b>		<b>Z221A080</b>
<b>Tip Cover L</b>		<b>Z217850</b>
<b>Tip Cover S</b>		<b>Z217851</b>
<b>Sterilization case</b>		<b>Z1035001</b>
<b>Handpiece Holder</b> For Varios 370		<b>10001505</b>
<b>VA Bottle 400</b> (400 mL) For Varios 970		<b>Z1047002</b>
<b>Irrigation Pump</b> For Varios 970		<b>10000643</b>
<b>O-ring</b> For Handpiece Cord		<b>D0310020080</b>
<b>O-ring</b> Thin section For VA Bottle 400		<b>D0312090100</b>
<b>O-ring</b> Thin section For VA Bottle 400		<b>D0310075150</b>
<b>Varios 350/370 Stand</b>		<b>Z254</b>
<b>Varios 350/370 Mounting Bracket</b>		<b>Z259</b>
<b>Control Unit Holder</b> For Varios 370		<b>Y1001812</b>
<b>Spanner Wrench</b> 5x8 (Pack of 2)		<b>Y1001301</b>





Varios 750 / 560 / 350 / 150

MODEL	PRODUCTS	ORDER CODE
<b>VA-LUX-HP</b> Optic Handpiece		<b>E250050</b>
<b>VA-HP</b> Non-optic Handpiece		<b>E177050</b>
<b>VA750LUX-SC</b> Handpiece Cord for Varios 750 LUX		<b>E250055</b>
<b>VA560LUX-SC</b> Handpiece Cord for Varios 560 LUX		<b>E250060</b>
<b>Middle Sheath</b>		<b>E250075</b>
<b>VA750-SC</b> Handpiece Cord for Varios 750		<b>E177055</b>
<b>VA-SC</b> Handpiece Cord for Varios 560		<b>E177060</b>
<b>FC-60</b> Foot Control, 2,5 m for Varios 750, 750 LUX 560 & 560 LUX		<b>Z297001</b>
<b>FC-61</b> Foot Control, 4 m for Varios 350 & 350 LUX		<b>Z300001</b>
<b>VA350 AC Adaptor</b> Varios 350 & 350 LUX		<b>U430001</b>
<b>Varios 150 Lux Built-in Module</b>		<b>U387012</b>
<b>Varios 150 Built-in Module</b>		<b>U387015</b>
<b>VA 150 LUX-SC</b> Optic Cord		<b>E250062</b>
<b>VA 150-SC</b> Non-optic Cord		<b>E177062</b>
<b>Varios 350/370 Stand</b>		<b>Z254</b>
<b>Varios 350/370 Mounting Bracket</b>		<b>Z259</b>
<b>Unit Holder</b> For Varios 350		<b>Z253</b>




MODEL	PRODUCTS	ORDER CODE
<b>VA Bulb</b> Pack of 3		<b>Y900107</b>
<b>Water Supply Tube</b> 2 m		<b>U387580</b>
<b>Water Supply Connector</b>		<b>U387030</b>
<b>Water Filter Set (2 m)</b> 2 water supply tube, water filter, water filter case		<b>U387040</b>
<b>Water Filter Case</b>		<b>Y900069</b>
<b>Water Filter</b>		<b>U387042</b>
<b>Tube Ring</b> Pack of 2		<b>Y900077</b>
<b>CR-10</b> Tip Replacement Wrench with Torque Limiter		<b>Z221076</b>
<b>Handpiece holder</b> For Varios 350 & 150		<b>Z250001</b>
<b>E Tip Replacement Wrench</b>		<b>Z217399</b>
<b>Tip Holder</b>		<b>Z221A080</b>
<b>Tip Cover L</b>		<b>Z217850</b>
<b>Tip Cover S</b>		<b>Z217851</b>
<b>VA Bottle</b> 350 mL for Varios 750		<b>U424060</b>
<b>VA Bottle</b> 500 mL for Varios 750		<b>U424062</b>
<b>Irrigation Pump</b> for Varios 750		<b>U424061</b>

SPARE PARTS / COMPONENTS

S970 / AS2000 Air Scaler P.128-133

MODEL	PRODUCTS	ORDER CODE
<b>CR-20</b> Tip Replacement Wrench with Torque Limiter		<b>Z1090001</b>
<b>E Tip Replacement Wrench</b>		<b>Z217399</b>
<b>Tip Holder</b>		<b>Z252A080</b>
<b>Lubrication Oil</b>		<b>Z016112</b>

Ti-Max Air Scaler






MODEL	PRODUCTS	ORDER CODE
<b>CR-20</b> Tip Replacement Wrench with Torque Limiter		<b>Z1090001</b>
<b>Tip Holder</b>		<b>Z252A080</b>
<b>Tip Cover L</b>		<b>Z217850</b>




TASKAL Wizard




MODEL	PRODUCTS	ORDER CODE
<b>NE140</b> Power Cord is included		<b>Y140988</b>


\* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride).  
Never attempt to use a non rechargeable battery.






Prophy-Mate neo P.140-143

MODEL	PRODUCTS	ORDER CODE
<b>PMN-HP</b> Handpiece with 60° nozzle head		<b>T797010</b>
<b>Nozzle 60°</b>		<b>T797012</b>
<b>Nozzle 80°</b>		<b>T797013</b>
<b>Powder Case Cover</b>		<b>T798133</b>
<b>Gasket</b>		<b>T798135</b>






MODEL	PRODUCTS	ORDER CODE
<b>Tip Cover L</b>		<b>Z217850</b>
<b>Tip Cover S</b>		<b>Z217851</b>
<b>S970 O-ring Set</b> Pack of 4, for S970		<b>Y1001953</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>

MODEL	PRODUCTS	ORDER CODE
<b>Tip Cover S</b>		<b>Z217851</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>
<b>Lubrication Oil</b>		<b>Z016112</b>












MODEL	PRODUCTS	ORDER CODE
<b>Ni-MH Rechargeable Battery</b> Pack of 2		<b>Y900103</b>







MODEL	PRODUCTS	ORDER CODE
<b>O-ring</b> (Front Nozzle)		<b>D0312039070</b>
<b>O-ring (neo)</b> (Rear Nozzle)		<b>D0312029070</b>
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>
<b>PM O-ring Set</b> (Pack of 3)		<b>Y900054</b>
<b>Ring Wrench</b>		<b>T797601</b>











Prophy-Mate neo P.140-143

MODEL	PRODUCTS	ORDER CODE
<b>Blower Nozzle-PTL (neo)</b>		<b>T798094</b>
<b>Blower Nozzle-KV (neo)</b>		<b>T886094</b>
<b>Blower Nozzle-SR (neo)</b>		<b>T887094</b>
<b>Blower Nozzle-WH (neo)</b>		<b>T888094</b>
<b>Blower Nozzle-BA (neo)</b>		<b>T889094</b>
<b>Blower Nozzle-M4 (neo)</b>		<b>T884094</b>

Prophy-Mate

MODEL	PRODUCTS	ORDER CODE
<b>PM-S</b> Handpiece Short type		<b>T706010</b>
<b>PM-L</b> Handpiece Long type		<b>T705010</b>
<b>PM-PTL</b> For NSK coupling		<b>T705020</b>
<b>PM-KV</b> For KaVo® coupling		<b>T739020</b>
<b>PM-SR</b> For Sirona® Quick coupling		<b>T740020</b>
<b>PM-WH</b> For W&H® Roto Quick coupling		<b>T745020</b>
<b>PM-M4</b> For Midwest 4 hole joint		<b>T719020</b>
<b>Powder Case Cover</b>		<b>T705133</b> <b>T705233</b> <b>T705333</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>
<b>PM O-ring Set</b> Pack of 3		<b>Y900054</b>
<b>O-ring</b> Front nozzle		<b>D0312039070</b>

MODEL	PRODUCTS	ORDER CODE
<b>Blower Nozzle-B2 (neo)</b>		<b>T885094</b>
<b>Lubrication Oil</b>		<b>Z016112</b>
<b>Cleaning Wire (L)</b>		<b>T798091</b>
<b>Cleaning Wire (S)</b>		<b>T798095</b>
<b>Cleaning File</b>		<b>T798092</b>
<b>Cleaning Brush</b>		<b>T798093</b>

MODEL	PRODUCTS	ORDER CODE
<b>O-ring</b> Rear nozzle		<b>D0312029070</b>
<b>Nozzle</b>		<b>T705A013</b>
<b>Ring Wrench</b>		<b>T705401</b>
<b>Blower Nozzle</b>		<b>T705094</b>
<b>Air Gasket</b>		<b>T705136</b>
<b>Gasket</b>		<b>T705135</b>
<b>Lubrication Oil</b>		<b>Z016112</b>
<b>Cleaning Wire</b>		<b>T705090</b>
<b>Cleaning File</b>		<b>T705167</b>
<b>Cleaning Brush</b>		<b>T705092</b>



Washable in the thermodisinfectant



Autoclavable up to 135°C



Washable in the thermodisinfectant



Autoclavable up to 135°C

**Perio-Mate P.144-147**

MODEL	PRODUCTS	ORDER CODE
<b>PER-HP</b>		<b>T1043010</b>
<b>Nozzle</b>		<b>T1043012</b>
<b>Powder Case Cover</b>		<b>T798133</b>
<b>Gasket</b>		<b>T798135</b>
<b>O-ring</b> <small>(Front Nozzle)</small>		<b>D0312039070</b>
<b>O-ring (PER)</b> <small>(Rear Nozzle)</small>		<b>D0312023060</b>
<b>PTL O-ring Set</b> <small>(Pack of 5)</small>		<b>Y900580</b>
<b>PM O-ring Set</b> <small>(Pack of 3)</small>		<b>Y900054</b>
<b>Ring Wrench</b>		<b>T797601</b>
<b>Nozzle Tip Remover</b>		<b>T1043751</b>
<b>Blower Nozzle-PTL (PER)</b>		<b>T1042094</b>

**ENDO-MATE TC2 P.150-151**

MODEL	PRODUCTS	ORDER CODE
<b>ENDO-MATE TC2 Motor</b>		<b>E346</b>
<b>Battery Charger</b>		<b>U614</b>
<b>Cord</b> <small>for MPA, MPAS</small>		<b>C876021B</b>

\* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.

MODEL	PRODUCTS	ORDER CODE
<b>Blower Nozzle-KV (PER)</b>		<b>T1044094</b>
<b>Blower Nozzle-SR (PER)</b>		<b>T1046094</b>
<b>Blower Nozzle-WH (PER)</b>		<b>T1048094</b>
<b>Blower Nozzle-BA (PER)</b>		<b>T1050094</b>
<b>Blower Nozzle-M4 (PER)</b>		<b>T1052094</b>
<b>Blower Nozzle-B2 (PER)</b>		<b>T1054094</b>
<b>Lubrication Oil</b>		<b>Z016112</b>
<b>Cleaning Wire (L)</b>		<b>T798091</b>
<b>Cleaning Wire (S)</b>		<b>T798095</b>
<b>Cleaning File</b>		<b>T798092</b>
<b>Cleaning Brush</b>		<b>T798093</b>

MODEL	PRODUCTS	ORDER CODE
<b>Connection Cord Clip</b>		<b>C876509</b>
<b>Power Cord</b>		<b>U439550</b>
<b>Ni-MH Rechargeable Battery</b> <small>Pack of 2</small>		<b>Y900103</b>

**ENDO-MATE TC**

MODEL	PRODUCTS	ORDER CODE
<b>Connection Cord Clip</b>		<b>C876509</b>
<b>Ni-MH Rechargeable Battery</b> <small>Pack of 2</small>		<b>Y900103</b>

**ENDO-MATE DT P.152-153**

MODEL	PRODUCTS	ORDER CODE
<b>ENDO-MATE DT Unit</b>		<b>U421002</b>
<b>ENDO-MATE DT Motor &amp; Cord</b>		<b>E275</b>
<b>Handpiece Stand</b>		<b>Z095205</b>
<b>Cord</b> <small>for MPA, MPAS</small>		<b>C876021</b>

\* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.

**ENDO-MATE AT P.154-155**

MODEL	PRODUCTS	ORDER CODE
<b>Cord</b> <small>For MPA, MPAS</small>		<b>C876021</b>

**ENDO-MATE TC2 / ENDO-MATE DT / ENDO-MATE AT Heads P.150-157**

**Heads for Endodontic Application**

MODEL	PRODUCTS	ORDER CODE
<b>MP-Y</b> <small>Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck</small>		<b>C547</b>
	360° Rotation	
<b>MPA-Y</b> <small>Connection for Apex locator (for long shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck</small>		<b>C548</b>
	360° Rotation	
<b>MPAS-Y</b> <small>Connection for Apex locator (for short shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck</small>		<b>C882</b>
	360° Rotation	

**Endodontic / Prophylaxis Application**

MODEL	PRODUCTS	ORDER CODE
<b>F10R</b> <small>10:1 Reduction</small>		<b>C398</b>
<b>F16R</b> <small>16:1 Reduction</small>		<b>C871</b>
<b>F20R</b> <small>20:1 Reduction</small>		<b>C399</b>

MODEL	PRODUCTS	ORDER CODE
<b>NE140</b> <small>Power Cord is included</small>		<b>Y140988</b>
<b>ENDO-MATE DT Adaptor</b>		<b>U480</b>
<b>Connection Cord Clip</b>		<b>C876509</b>
<b>Rechargeable Batteries</b>		<b>U421070</b>
<b>FC-15</b> <small>Foot Control</small>		<b>Z248</b>
<b>Connection Cord Clip</b>		<b>C876509</b>






Washable in the thermodisinfectator





Autoclavable up to 135°C





ENDO-MATE TC2 / ENDO-MATE DT / TASKAL Wizard Heads P.150-157



MODEL	PRODUCTS	ORDER CODE
<b>AR-Y (S)</b> Prophy head, for screw-in cups		<b>C187</b>
<b>AR-Y (K)</b> Prophy head, for snap-on cups		<b>C188</b>
<b>NAC-Y</b> Prophy head, for CA bur (ø2.35), Latch type		<b>C032002</b>



iPexII P.158-159



MODEL	PRODUCTS	ORDER CODE
<b>iPexII File Clip</b>		<b>U1109351</b>
<b>iPexII Tester</b>		<b>U1109353</b>

iPex

MODEL	PRODUCTS	ORDER CODE
<b>File Clip</b>		<b>U501512</b>
<b>Extension Cord</b>		<b>U501514</b>










MODEL	PRODUCTS	ORDER CODE
<b>TEQ-Y</b> Prophy head, for CA bur (ø2.35), Push Button Chuck		<b>C849001</b>
<b>EVA-Y</b> For Eva tips		<b>C235</b>

MODEL	PRODUCTS	ORDER CODE
<b>iPexII Probe</b>		<b>U1109352</b>
<b>Lip Hook</b>		<b>U501513</b>





MODEL	PRODUCTS	ORDER CODE
<b>Probe</b>		<b>U501511</b>
<b>Lip Hook</b>		<b>U501513</b>

VIVA ace P.162-167










MODEL	PRODUCTS	ORDER CODE
<b>isoE-LUX</b>		<b>Z1265</b>
<b>V-ace Vacuum Nozzle</b> (Pack of 10)		<b>S900070</b>
<b>V-ace Vacuum Hose Set</b>		<b>U1144074</b>
<b>V-ace Vacuum Bottle Set</b>		<b>U1146070</b>
<b>V-ace Vacuum Bottle Cap</b>		<b>UA11440195</b>
<b>V-ace Suction Waste Bottle</b>		<b>U1146075</b>
<b>VS Suction Waste Bottle Lid</b>		<b>Z1240051</b>
<b>Filter</b> including O-Ring		<b>UA11440189</b>
<b>O-Ring</b> for Filter		<b>D0312128060</b>
<b>V-ace 3 way Syringe Set</b>		<b>U1144040</b>
<b>V-ace 3 way Syringe Nozzle</b>		<b>U1144046</b>
<b>V-ace Vacuum Junction Hose</b>		<b>U1144753</b>
<b>Vacuum Cap A</b>		<b>U1144750</b>





MODEL	PRODUCTS	ORDER CODE
<b>Vacuum Cap B</b>		<b>U1144751</b>
<b>Hose Cap</b>		<b>U1144752</b>
<b>V-ace Water Bottle Set</b>		<b>U1146080</b>
<b>V-ace Water Bottle Cap</b>		<b>UA11460103</b>
<b>V-ace Water bottle</b>		<b>U1146085</b>
<b>FC-76S</b> Foot Control		<b>Z1082005</b>
<b>FC-70S</b> Foot Control		<b>Z1008006</b>
<b>AC Power Cord</b>		<b>U439550</b>
<b>Shoulder Belt</b>		<b>U1144370</b>
<b>Gasket</b> For Water Bottle		<b>U1144729</b>
<b>Gasket</b> For Vacuum Bottle		<b>U1144636</b>
<b>Gasket</b> For Vacuum Bottle		<b>Z1137352</b>

VIVAMATE G5 P.168-169

MODEL	PRODUCTS	ORDER CODE
<b>VIVAMATE G5 230V</b> Control unit		<b>U1068004</b>
<b>VMG30EM MC</b> VIVAMATE G5 Micromotor with Cord		<b>E1069002</b>
<b>FC-76M</b> Foot Control	 (Optional)	<b>Z1082002</b>
<b>Handpiece Stand</b>		<b>Z095205</b>










VIVAsupport 2 P.170-172

MODEL	PRODUCTS	ORDER CODE
<b>FC-76M</b> Foot Control	 (Optional)	<b>Z1082002</b>
<b>VS Branch Tube set</b> For Varios 370	 (Optional)	<b>Z1125091</b>
<b>Battery Pack</b>		<b>U1068052</b>
<b>Junction Cable</b>		<b>U1089600</b>
<b>Disposable Saliva Ejector</b> Pack of 10		<b>Z1137054</b>
<b>VS Saliva Tube</b> A set of Saliva Joint, Saliva Inline, and Saliva Tube		<b>Z1137050</b>
<b>Saliva Tube</b> Only tube		<b>Z1137560</b>
<b>Saliva Drain Tube</b>		<b>Z1137401</b>
<b>VS Saliva Bottle Connection Tube</b>		<b>Z1137056</b>


MODEL	PRODUCTS	ORDER CODE
<b>Battery Pack</b>		<b>U1068052</b>
<b>AC Adaptor</b> For VIVAMATE G5		<b>U1115</b>
<b>AC Power Cord</b>		<b>U439550</b>
<b>Carrying Set</b> For VIVAMATE G5		<b>Y1002171</b>

MODEL	PRODUCTS	ORDER CODE
<b>VS Saliva Bottle Set 400</b>		<b>Z1137002</b>
<b>VS Irrigation Bottle Set 400</b>		<b>Z1125001</b>
<b>VS Irrigation Pump</b> A set of Irrigation Joint and Irrigation Pump		<b>U1089010</b>
<b>VS Irrigation Tube</b>		<b>Z1125050</b>
<b>Tube Clamp Set</b> Pack of 6		<b>U1089058</b>
<b>AC Adaptor</b> With Waterproof Rubber Sheet		<b>U1115003</b>
<b>AC Cord</b>		<b>U439550</b>
<b>VS Carrying Case</b>		<b>U1089054</b>
<b>VS Tray</b>		<b>U1089111</b>
















Surgic Pro / Surgic Pro+










MODEL	PRODUCTS	ORDER CODE
<b>Tube Holder</b>	  	<b>E295105</b>
<b>Motor Cord</b>		<b>E1023061</b>
<b>Handpiece Stand</b>	  	<b>Z1029201</b>
<b>Irrigation Tube</b> Pack of 5		<b>Y900113</b>
<b>Coolant Solution Hanger Post</b>		<b>U370152</b>

Surgic Pro / VarioSurg3

MODEL	PRODUCTS	ORDER CODE
<b>SG Link Stand</b>		<b>Z1176</b>

VarioSurg3


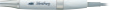




MODEL	PRODUCTS	ORDER CODE
<b>E Tip Replacement Wrench</b> For V10-S	  	<b>Z217399</b>
<b>VS Tip Wrench</b> For SG1A, SG8A CR-40	  	<b>Z305350</b>
<b>Tip Wrench</b> CR-30	  	<b>10000977</b>
<b>Tips Holder</b>	  	<b>20001327</b>
<b>Handpiece Stand</b>	  	<b>Z1029201</b>

MODEL	PRODUCTS	ORDER CODE
<b>Handle Set</b>		<b>Z1027001</b>
<b>Protection Plug</b>	  	<b>10001595</b>
<b>Tube Holder</b> Pack of 7	  	<b>Y900083</b>
<b>SG-CASE</b> Sterilization Cassette	 	<b>20001348</b>




MODEL	PRODUCTS	ORDER CODE
<b>SG Link Cable</b>		<b>Z1189</b>

MODEL	PRODUCTS	ORDER CODE
<b>Saline Solution Hanger Post</b>		<b>U564152</b>
<b>Irrigation Tube</b> Pack of 5		<b>Y900113</b>
<b>Tube Holder</b> Pack of 7	  	<b>Y900767</b>
<b>VA-SG-CASE</b> Sterilization Cassette	 	<b>20001326</b>



VarioSurg

MODEL	PRODUCTS	ORDER CODE
<b>VS-LED-HPSC</b> Cord 2 m		<b>E1084</b>
<b>VA-SGN-HPSC</b> Cord 2 m		<b>E377</b>
<b>E Tip Replacement Wrench</b>		<b>Z217399</b>
<b>Tip Wrench</b> CR-30		<b>10000977</b>
<b>Tips Holder</b>		<b>20001327</b>
<b>Handpiece Stand</b>		<b>Z1029201</b>








Surgic AP

MODEL	PRODUCTS	ORDER CODE
<b>SG50MS</b>		<b>E290</b>
<b>Irrigation Tube</b> Pack of 5		<b>Y900197</b>
<b>Irrigation Pump</b> Pack of 2		<b>Y1002196</b>

MODEL	PRODUCTS	ORDER CODE
<b>FC-51</b> Foot Control		<b>Z316001</b>
<b>Irrigation Tube</b> Pack of 5		<b>Y900113</b>
<b>VA Bulb</b> Pack of 3		<b>Y900107</b>
<b>Tube Holder</b> Pack of 7		<b>Y900767</b>
<b>VA-SG-CASE</b> Sterilization Cassette		<b>20001326</b>

MODEL	PRODUCTS	ORDER CODE
<b>Protection Plug</b>		<b>10001595</b>
<b>Tube Holder</b> Pack of 7		<b>Y900083</b>


Surgic XT Plus / LED / Surgic XT

MODEL	PRODUCTS	ORDER CODE
<b>SG50 LED</b> Micromotor with Cord		<b>E1049001</b>
<b>SGL50M</b> Micromotor with Cord		<b>E295</b>
<b>SG50MS</b> Micromotor with Cord		<b>E290</b>
<b>Tube Holder</b>		<b>E295105</b>
<b>Surgic XT Plus</b> Micromotor Cord 2 m		<b>E295051</b>
<b>Surgic XT</b> Micromotor Cord 2 m		<b>E290051</b>
<b>Handpiece Stand</b>		<b>Z1029201</b>





Implant Handpieces

MODEL	PRODUCTS	ORDER CODE
<b>Internal Spray Nozzle</b>		<b>10000324</b>
<b>Internal Spray Nozzle M</b> For X-SG20ML, SG20M		<b>10001364</b>
<b>Nozzle Holder</b> X-SG20L / nanoSG20LS X-DSG20Lh, X-DSG20h X-DSG20L, X-DSG20		<b>20000396</b>
<b>Nozzle Holder</b> For SG20		<b>20000357</b>

Surgical Handpieces Ti-SG20L / Ti-SG25L








MODEL	PRODUCTS	ORDER CODE
<b>Internal Spray Nozzle</b>		<b>C495035</b>

MODEL	PRODUCTS	ORDER CODE
<b>TA Bulb</b> Pack of 3		<b>Y900132</b>
<b>FC-51</b> Foot Control		<b>Z272001</b>
<b>Coolant Solution Hanger Post</b>		<b>U370152</b>
<b>Handle Set</b> for Foot Control		<b>Z1027001</b>
<b>Protection Plug</b>		<b>10001595</b>
<b>Irrigation Tube</b> Pack of 5		<b>Y1003452</b>
<b>Tube Holder</b> Pack of 7		<b>Y900083</b>


MODEL	PRODUCTS	ORDER CODE
<b>Nozzle Holder</b> For X-SG20ML		<b>CA13030107</b>
<b>Nozzle Holder</b> For SG20M		<b>CA13020115</b>
<b>Y-Connector</b>		<b>C823752</b>
<b>Cleaning Wire</b>		<b>20000512</b>

MODEL	PRODUCTS	ORDER CODE
<b>Y-Connector</b>		<b>C823752</b>

Surgical Handpieces SGM / SGMS / SGQ series

MODEL	PRODUCTS	ORDER CODE
<b>SGM-I</b> Ultra Miniature Head Latch type		<b>C293</b>
<b>SGMS-I</b> With Depth Indicator		<b>C594001</b>
<b>ER16i</b> 16:1 Reduction Handpiece		<b>C628001</b>
<b>ER20i</b> 20:1 Reduction Handpiece		<b>C629001</b>
<b>Internal Spray Nozzle</b> For SGM, SGMS		<b>C293025</b>
<b>Internal Spray Nozzle</b> For SGQ		<b>C823026</b>
<b>Internal Spray Nozzle Clamp</b> For SGQ		<b>C823751</b>





Micro Surgery Handpieces








MODEL	PRODUCTS	ORDER CODE
<b>Spray Nozzle</b> For SGS, SGA		<b>H263018</b>


Micro Saw Handpieces


MODEL	PRODUCTS	ORDER CODE
<b>Spray Nozzle</b> For SGR, SGT, SGO		<b>SH162035</b>

Osseo 100

MODEL	PRODUCTS	ORDER CODE
<b>Multipeg Driver</b>		<b>55003</b>
<b>Sterile cover</b>		<b>55105</b>
<b>Mains adapter</b>		<b>55093</b>
<b>EU plug</b>		<b>55094</b>





MODEL	PRODUCTS	ORDER CODE
<b>Irrigation Tube Clamp</b>		<b>C202750</b>
<b>Y-Connector</b>		<b>C823752</b>
<b>Wrench for Handpiece Attachment</b> For SGM, SGMS		<b>Z103101</b>
<b>Wrench for Handpiece Attachment</b> For SGQ		<b>Z103118</b>
<b>Ruler</b> For SGMS		<b>Z217399</b>
<b>Depth Indicator (L)</b> For SGMS		<b>C594031</b>
<b>Depth Indicator (S)</b> For SGMS		<b>C594021</b>

MODEL	PRODUCTS	ORDER CODE
<b>Bur Stopper</b>		<b>Y900160</b>

MODEL	PRODUCTS	ORDER CODE
<b>Spanner 8x5</b>		<b>K040751</b>




MODEL	PRODUCTS	ORDER CODE
<b>UK plug</b>		<b>55095</b>
<b>AU plug</b>		<b>55096</b>
<b>US plug</b>		<b>55097</b>

iSD900




MODEL	PRODUCTS	ORDER CODE
<b>Quick Charger for iSD900</b>		<b>U1070001</b>
<b>iSD900 Motor</b>		<b>E1060001</b>
<b>iSD-HP</b>		<b>C1060001</b>
<b>Power Cord</b>		<b>U439550</b>

\* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.




iCare





MODEL	PRODUCTS	ORDER CODE
<b>Maintenance Oil</b> 1 Bottle, 1 L		<b>Z016130</b>
<b>Chuck Lubrication Nozzle</b>		<b>Z257301</b>
<b>Mist Filter Set</b> Pack of 12		<b>Y900159</b>

Care3 Plus / Care3



MODEL	PRODUCTS	ORDER CODE
<b>Maintenance Oil</b> 1 Bottle, 1 L		<b>Z016117</b>
<b>Maintenance Oil</b> Pack of 6 Bottles		<b>Y900138</b>
<b>Oil Replenish Funnel with Filter</b>		<b>U433090</b>



Care3 Plus

MODEL	PRODUCTS	ORDER CODE
<b>Mist Filter Set</b> Pack of 12		<b>Y900159</b>
<b>Air Filter</b>		<b>U508352</b>
<b>Air Filter Element</b>		<b>U508353</b>











MODEL	PRODUCTS	ORDER CODE
<b>Torque Calibrator</b>		<b>Z1056001</b>
<b>Calibration Bur</b>		<b>Z1057101</b>
<b>On/Off Switch Lever</b>		<b>Z1070001</b>
<b>Ni-MH Rechargeable Battery</b> Pack of 2		<b>Y900103</b>


MODEL	PRODUCTS	ORDER CODE
<b>Air Filter</b>		<b>U508352</b>
<b>HP Head Filter</b> Pack of 200		<b>U1120118</b>
<b>Oil Absorber Sheet</b> Pack of 10		<b>U433135</b>

MODEL	PRODUCTS	ORDER CODE
<b>Oil Absorber Sheet</b> Pack of 20		<b>Y900186</b>
<b>Oil Absorber Sheet</b> Pack of 10		<b>U433135</b>









MODEL	PRODUCTS	ORDER CODE
<b>Oil Absorber Sheet</b> Pack of 20		<b>Y900186</b>
<b>Oil Absorber Sheet</b>		<b>U433135</b>

ULTIMATE XL / XL-D / XL-K / XL-F

MODEL	PRODUCTS	ORDER CODE
<b>UMXL-TM</b> Motor Torque type (with 1.2 m cord)		<b>E355</b>
<b>UMXL-CM</b> Motor Compact type (with 1.2 m cord)		<b>E356</b>
<b>UMXL-TM 2 M</b> Motor Torque type (with 2 m cord)		<b>E355002</b>
<b>UMXL-CM 2 M</b> Motor Compact type (with 2 m cord)		<b>E356002</b>
<b>UHRXL-T</b> Attachment Torque type		<b>H269</b>
<b>UHRXL-C</b> Attachment Compact type		<b>H271</b>
<b>Motor Cord T</b> (Torque type 1.2 m)		<b>E355051</b>
<b>Motor Cord C</b> (Compact type 1.2 m)		<b>E356051</b>
<b>Motor Cord T 2M</b> (Torque type 2 m)		<b>E355055</b>
<b>Motor Cord C 2M</b> (Compact type 2 m)		<b>E356055</b>














MODEL	PRODUCTS	ORDER CODE
<b>FC-64</b> Foot Control (For XL / XL-D)		<b>Z304</b>
<b>Handpiece Stand</b> (wrench is not included)		<b>Z095201</b>
<b>Chuck-2.35A</b>		<b>H203A180A</b>
<b>Handpiece Holder</b> (For XL)		<b>Y900770</b>
<b>Wrench for Locking Rotation</b>		<b>H269751</b>
<b>Wrench for Adjusting Chuck</b>		<b>K015751</b>
<b>Bracket Set</b> (For XL-D / XL-K)		<b>U364090</b>
<b>Fuse-T1.6A</b>		<b>D1202216010</b>
<b>UMXL-TM Armature Assy</b>		<b>E367011</b>
<b>UMXL-CM Armature Assy</b>		<b>E368011</b>

ULTIMATE 500 / 500D / 500K / 500F

MODEL	PRODUCTS	ORDER CODE
<b>UM50T</b> Motor Handpiece Torque type		<b>Y140562</b>
<b>UM50C</b> Motor Handpiece Compact type		<b>Y140563</b>
<b>UM50T 2M</b> Motor Handpiece Torque type		<b>Y140670</b>
<b>UM50C 2M</b> Motor Handpiece Compact type		<b>Y140671</b>
<b>UM50TM 2M</b> Motor Torque type Includes 2 m cord		<b>E113002</b>
<b>UM50CM 2M</b> Motor Compact type Includes 2 m cord		<b>E187002</b>
<b>UHR50T</b> Attachment Torque type		<b>H165</b>
<b>UHR50C</b> Attachment Compact type		<b>H189</b>

ULTIMATE 450 / 450K / 450F








MODEL	PRODUCTS	ORDER CODE
<b>UM45C</b> Motor handpiece for UM450 Includes 2 m Cord and 2 different Wrenches		<b>Y141266</b>
<b>UM45CM</b> Motor for UM450 Includes 2 m cord		<b>E187005</b>
<b>UHR45C</b> Attachment for UM450		<b>H203002</b>
<b>UM45CM Cord</b> 2 m		<b>E187061</b>
<b>FC-40</b> Foot Control For 450		<b>Z056</b>
<b>Handpiece Stand</b> Wrench is not included		<b>Z095201</b>





MODEL	PRODUCTS	ORDER CODE
<b>UM50TM Cord</b> 2 m		<b>E113055</b>
<b>UM50CM Cord</b> 2 m		<b>E187055</b>
<b>FC-40</b> Foot Control For 500, 500D		<b>Z056</b>
<b>Handpiece Stand</b> Wrench is not included		<b>Z095201</b>
<b>Chuck-2.35 A</b>		<b>H203A180A</b>
<b>Handpiece Holder</b>		<b>Y900071</b>
<b>Wrench for Locking Rotation</b>		<b>H269751</b>
<b>Wrench for Adjusting Chuck</b>		<b>K015751</b>
<b>Chuck-2.35 A</b>		<b>H203A180A</b>
<b>Handpiece Holder</b>		<b>Y900071</b>
<b>Wrench for Locking Rotation</b>		<b>H269751</b>
<b>Wrench for Adjusting Chuck</b>		<b>K015751</b>
<b>Bracket Set</b> For 450K		<b>U364090</b>

**VOLVERE i7**

MODEL	PRODUCTS	ORDER CODE
<b>GX35RM-B &amp; SCD</b> Motor + cord		<b>E1179</b>
<b>GX35EM-B &amp; SCD</b> E-type motor + cord		<b>E1180</b>
<b>UHR45C</b> Handpiece for GX35RM-B		<b>H203002</b>
<b>VR-EB</b> E-Type Handpiece		<b>H1062</b>
<b>Carbon Brush</b> For GX35RM-B / GX-35EM-B (Pack of 2)		<b>E023011S</b>






**VOLVERE Vmax**

MODEL	PRODUCTS	ORDER CODE
<b>GX35RM &amp; SCD</b> Standard Micromotor with Cord for UHR35		<b>E205</b>
<b>GX35EM &amp; SCD</b> E-Type Micromotor with Cord for VR-E		<b>E054</b>
<b>GX35RM</b> Standard Micromotor for UHR35		<b>E205015</b>
<b>GX35EM</b> E-Type Micromotor for VR-E		<b>E054015</b>
<b>UHR35</b> Handpiece		<b>H214</b>
<b>VR-E</b> E-Type Handpiece		<b>H178</b>
<b>Carbon Brush</b> for GX35M, GX35EM Pack of 2		<b>E023011S</b>





MODEL	PRODUCTS	ORDER CODE
<b>Chuck-2.35A</b>		<b>H203A180A</b>
<b>FC-76</b> Foot Control		<b>Z1082001</b>
<b>Handpiece Stand</b>		<b>Z095205</b>
<b>Wrench for Adjusting Chuck</b>		<b>K015751</b>

MODEL	PRODUCTS	ORDER CODE
<b>Chuck-2.35 A</b>		<b>H203A180A</b>
<b>Handpiece Stand</b>		<b>Z095201</b>
<b>Handpiece Holder</b>		<b>Y900140</b>
<b>FC-40</b> Foot Control		<b>Z056</b>
<b>Vmax35SCD</b> Straight Cord		<b>E257012</b>
<b>Vmax35CCD</b> Coiled Cord		<b>E257013</b>
<b>Wrench for Adjusting Chuck</b>		<b>K015751</b>


**MIO**

MODEL	PRODUCTS	ORDER CODE
<b>MIO MR</b> UM50 Motor handpiece		<b>Y140802</b>
<b>MIO-35EM &amp; SCD</b> E-Type Micromotor with Cord		<b>E236</b>
<b>MIO-35M</b> Micromotor		<b>E235015</b>
<b>MR</b> Handpiece		<b>H203</b>
<b>MIO-35EM</b> E-Type Micromotor		<b>E236015</b>

**PRESTO AQUA LUX**



MODEL	PRODUCTS	ORDER CODE
<b>PRESTO AQUA LUX Control Unit</b>		<b>Z1038A002</b>
<b>PRA-LUX-HP</b> PRESTO AQUA LUX Handpiece		<b>T1002</b>
<b>PR-AQL Hose</b> Coupling Hose		<b>Z1050</b>
<b>PR-AQL03</b> PRESTO AQUA LUX Cartridge		<b>T1002250</b>

**PRESTO AQUA II**

MODEL	PRODUCTS	ORDER CODE
<b>PRESTO AQUA II Unit</b>		<b>Z308015</b>
<b>PRA-HP</b> PRESTO AQUA Handpiece		<b>T816</b>
<b>Hose for PRESTO AQUA II</b>		<b>Z308050</b>

MODEL	PRODUCTS	ORDER CODE
<b>MIO-35SCD</b> Cord		<b>E235012</b>
<b>Chuck-2.35 A</b>		<b>H203A180A</b>
<b>Handpiece Stand</b>		<b>Z010133</b>
<b>Carbon Brush</b> For MIO-35M, MIO-35EM		<b>E194060</b>
<b>FC-11</b> Foot Control (ON, OFF)		<b>Z154002</b>

MODEL	PRODUCTS	ORDER CODE
<b>Handpiece Stand</b>		<b>Z095206</b>
<b>AC Adaptor</b> PR-AQL		<b>Y1500004</b>
<b>PRESTO AQUA LUX Cord</b>		<b>U439550</b>
<b>PTL O-ring Set</b> Pack of 5		<b>Y900580</b>







MODEL	PRODUCTS	ORDER CODE
<b>QD-J B3</b> Coupling		<b>T354051</b>
<b>PR-AQ03</b> PRESTO AQUA Cartridge		<b>T816016</b>








INFORMATION






PRESTO AQUA LUX / PRESTO AQUA II

MODEL	PRODUCTS	ORDER CODE
<b>Bottle Gasket</b>		<b>U379112</b>
<b>Chuck</b>		<b>T815019</b>
<b>AFC-40</b> Foot Control		<b>Z127</b>
<b>Secondary Hose for PRESTO</b> 2 m		<b>Z101240</b>
<b>Water Filter Set</b> 2 water supply tube, water filter, water filter case		<b>U387040</b>
<b>Water Filter with Case</b>		<b>Y900069</b>
<b>Water Filter</b>		<b>U387042</b>
<b>Tube Ring</b> Pack of 2		<b>Y900077</b>

PRESTO II

MODEL	PRODUCTS	ORDER CODE
<b>PRESTO II Unit</b>		<b>Z307015</b>
<b>PR-HP</b> PRESTO Handpiece Includes 2 m hose		<b>T815</b>
<b>AFC-40</b> Foot Control		<b>Z127</b>
<b>Handpiece Stand</b>		<b>Z010134</b>
<b>PR-03</b> PRESTO Cartridge		<b>T815016</b>
<b>Chuck</b>		<b>T815019</b>

MODEL	PRODUCTS	ORDER CODE
<b>PRA II</b> Bottle Set		<b>Z308040</b>
<b>PRA II</b> Bottle Lid		<b>Z308041</b>
<b>PRA II</b> Bottle		<b>Z308601</b>
<b>PRA II</b> Bottle O-ring set Pack of 2		<b>Y900327</b>
<b>Bracket Set</b>		<b>Z308060</b>
<b>Chuck Wrench</b>		<b>C034751</b>
<b>Bur-inserting Tool</b>		<b>T815030</b>

MODEL	PRODUCTS	ORDER CODE
<b>Hose for PRESTO</b> 2 m		<b>T815220</b>
<b>Secondary Hose for PRESTO</b> 2 m		<b>Z101240</b>
<b>LAB Spanner Wrench</b>		<b>H005751</b>
<b>Chuck Wrench</b>		<b>C034751</b>
<b>Bur-inserting Tool</b>		<b>T815030</b>

## Turbine Cartridges Quick Guide

Handpiece PRODUCT NAME	Cartridge		Head Cap	
	MODEL	ORDER CODE	MODEL	ORDER CODE
Z800L	TiZ-MU03	Y1002075	TiZ-MU04	P1051050
Z800KL / Z800SL	TiZ-MU03	Y1002075	TiZ-MU04	P1051050
Z800WL / Z800BL	TiZ-MU03	Y1002075	TiZ-MU04	P1051050
Z900L	TiZ-SU03	Y1002076	TiZ-SU04	P1052050
Z900KL / Z900SL	TiZ-SU03	Y1002076	TiZ-SU04	P1052050
Z900WL / Z900BL	TiZ-SU03	Y1002076	TiZ-SU04	P1052050
M800L / M800	SX-MU03	P1280	SX-MU04	P1001500
M800KL / M800SL	SX-MU03	P1280	SX-MU04	P1001500
M800WL / M800BL	SX-MU03	P1280	SX-MU04	P1001500
M900L / M900	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900KL / M900SL	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900WL / M900BL	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
S-Max pico	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico KL	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico QD	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico M4	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico B2	SX-PU03	P1140200	SX-PU04	P1140500
X450L	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
X450KL / X450SL	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
X450QD / X450M4	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
M500LG QD	SX-MU03	P1001250	-	-
M500LG M4/B2	SX-MU03	P1001250	-	-
M600LG QD	SX-SU03	P1002250	-	-
M600LG M4/B2	SX-SU03	P1002250	-	-
FXP-MU QD	SX-MU03	P1280	SX-MU04	P1001500
FXP-MU M4/B2	SX-MU03	P1280	SX-MU04	P1001500
FXP-SU QD	SX-MU03	P1281	SX-MU04(YOS)	P1027500
FXP-SU M4/B2	SX-MU03	P1281	SX-MU04(YOS)	P1027500
PAF-SU QD	PAX2-SU03	P1190	PAX2-SU04	P1190050
PAF-SU M4/B2	PAX2-SU03	P1190	PAX2-SU04	P1190050
PAF-S M4/B2	PAX2R-S03	T1040	PAX2R-S04	T1040050
PRA-LUX-HP	PR-AQL03	T1002250	-	-
PRA-HP	PR-AQ03	T816016	-	-
PR-HP	PR-03	T815016	-	-

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\*Please read the Operation Manual carefully before use, and file for future reference.

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