



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	Tower type	Knee type	Floor type
ULTIMATE XL	ULTIMATE XL-D	ULTIMATE XL-K	ULTIMATE XL-F
			
UMXL-G	UMXL-D	UMXL-K	UMXL-F

ULTIMATE XL

Bench Top System



Features

- Speed of 1,000-50,000 min⁻¹
- 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
Torque	UMXL-GT	Y141469
Compact	UMXL-GC	Y141470

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⁻¹
- 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
Torque	UMXL-DT	Y141504
Compact	UMXL-DC	Y141505

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⁻¹
- 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
Torque	UMXL-KT	Y141495
Compact	UMXL-KC	Y141496

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⁻¹ • 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⁻¹.

	MODEL	ORDER CODE
Torque	UMXL-FT	Y141513
Compact	UMXL-FC	Y141514

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
UMXL-GE (230V)	Y1002113

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⁻¹
- Max. Torque : 8.7 Ncm

MODEL	ORDER CODE
UMXL-T 2M	Y141441

- 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⁻¹
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
UMXL-C 2M	Y141445

- 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⁻¹
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
UMXL-EM 2M	E342002

- 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
TA50	U375

• 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

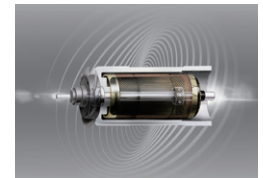


E-Type Micromotor



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⁻¹ • 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⁻¹ • 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

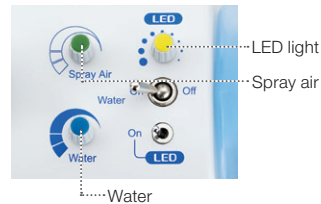
- Accurate lighting at the point of operation does not hide any detail, allowing you to focus on your work more easily.
- LED illuminates fine unevenness and air bubbles of the internal frames which can not be illuminated under the normal bench lighting, thus dramatically improving the quality of internal 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



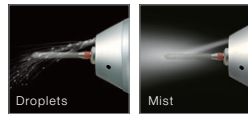
PRESTO AQUA LUX Complete Set

MODEL	ORDER CODE
PRESTO AQUA LUX	Y1001151

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	Optic	MODEL	ORDER CODE
●	PRA-LUX-HP	T1002	—	PR-AQL Hose	Z1050

- PRESTO AQUA LUX handpiece

- 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
—	PRESTO AQUA II	Y150023

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⁻¹
- 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
—	PRA-HP	T816

- PRESTO AQUA handpiece

Optic	MODEL	ORDER CODE
—	QD-J B3	T354051

- PRESTO AQUA coupling

PRESTO II

Lube Free Air Turbine Handpiece

Advantages

- Lightweight and compact



PRESTO II Complete Set

Optic	MODEL	ORDER CODE
—	PRESTO II	Y150022

Contents

- PRESTO II unit
- PRESTO handpiece
- Handpiece stand
- Hose for PRESTO
- Foot control (AFC-40)
- Secondary hose for PRESTO

PRESTO Handpiece

- 320,000 min⁻¹
- Requires no lubrication
- Low noise and vibration
- Unique dust-proof mechanism



Optic	MODEL	ORDER CODE
—	PR-HP	T815

- Includes 2 m hose