



ENDODONTICS



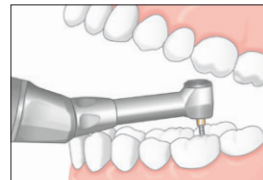
ENDO-MATE TC2

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.



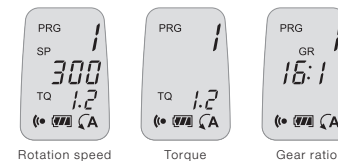
Specifications

- 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⁻¹ (With 20:1, 16:1, 10:1, 4:1 geared heads)

Program function

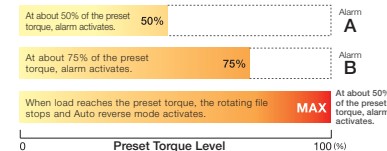
User definable 5 presets - Speed, Torque, Gear Ratio & Auto Reverse mode. Last program settings can be memorized when the power turns on.

▼ 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

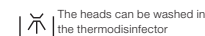
MODEL	ORDER CODE
ENDO-MATE TC2 without Head Set (230V)	Y1001316

- 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



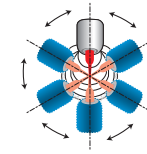
The heads can be washed in the thermoisinfection



The heads are autoclavable up to 135°C

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
ENDO-MATE DT (230V)	Y141121

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

ENDO-MATE DT without Head

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

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

ENDO-MATE DT Complete MPAS Set

MODEL	ORDER CODE
ENDO-MATE DTMPAS Set (230V)	Y1001161

- 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⁻¹ (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 ⁻¹)
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⁻¹
- Dimensions : W 268 x D 230 x H 103 mm
- Weight : 342 g (including Motor handpiece)



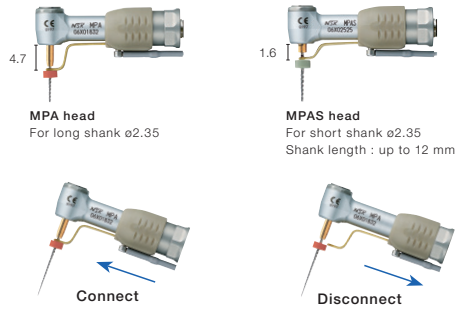
*Files are not included.

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 ⁻¹)	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
20:1 Reduction	MP-F20R	Y110044
16:1 Reduction	MP-F16R	Y110096
10:1 Reduction	MP-F10R	Y110048



	MODEL	ORDER CODE
16:1 Reduction	MPA-F16R	Y110097

- Connection for Apex locator (for long shank)



	MODEL	ORDER CODE
20:1 Reduction	MPAS-F20R	Y110046
16:1 Reduction	MPAS-F16R	Y110098

- Connection for Apex locator (for short shank)



	MODEL	ORDER CODE
16:1 Reduction	iFX75	C1098001

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

iPexII



Features

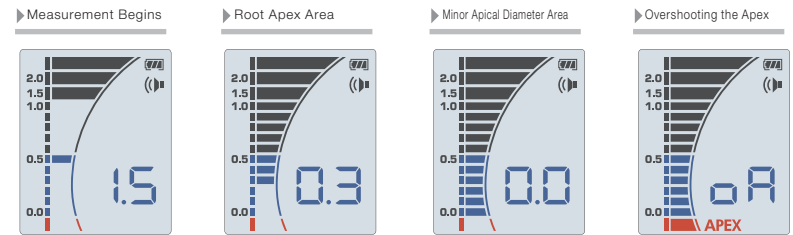
- High-precision root canal measurement generated by using SmartLogic
- Auto-detects the apex accurately in any conditions, dry or wet
- A stylish and compact body requiring only a small space
- 3 different alert sounds depending on the location of the file tip, ensuring precise procedures
- A 3 colour 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.



- 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)