

ENDODONTICS



ENDO-MATE TC2

Smarter and Safer
Cordless Endodontic Handpiece with
Torque Control and Auto Reverse



Advantages

- Slim Head and neck assures higher visibility
- Large LCD panel and access-friendly key
- Lightweight, ergonomic design
- Smart Auto Reverse & Alarm Function
- 5 programs for different file systems
- Last program settings can be memorized
- 90min. quick charge with non-contact type charger

ENDO-MATE TC2 Complete Sets

ENDO-MATE TC2 Complete Set

MODEL ENDO-MATE TC2 ORDER CODE Y1001027

Contents

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

ENDO-MATE TC2 Complete MPA Set

MODEL ENDO-MATE TC2 MPA ORDER CODE Y1001028

Contents

- MPA-F16R Head • ENDO-MATE TC2 Motor • Battery Charger



ENDO-MATE TC2 & ENDO-MATE AT Heads

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



○ MODEL MP-F20R ORDER CODE Y110044

● MODEL MP-F16R ORDER CODE Y110096

● MODEL MP-F10R ORDER CODE Y110048

- 20:1 / 16:1 / 10:1 Reduction



○ MODEL MPA-F20R ORDER CODE Y110045

● MODEL MPA-F16R ORDER CODE Y110097

- Connection for Apex locator (for long shank)

- 20:1 / 16:1 Reduction



○ MODEL MPAS-F20R ORDER CODE Y110046

● MODEL MPAS-F16R ORDER CODE Y110098

- Connection for Apex locator (for short shank)

- 20:1 / 16:1 Reduction



● MODEL iFX75 ORDER CODE C1098

- Miniature Head • Stainless Steel Body

- 16:1 Reduction • For ENDO-MATE AT

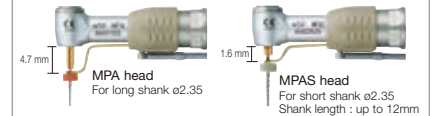
The icons shown beside each of the models indicates the reduction gear ratio of the head. All heads pictured in this brochure are the 20:1 model type.

- White = 20:1 Reduction
- Gray = 16:1 Reduction
- Navy = 10:1 Reduction

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 & AT systems. By combining an Apex Locator with NSK ENDO-MATE TC2 & AT, 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.

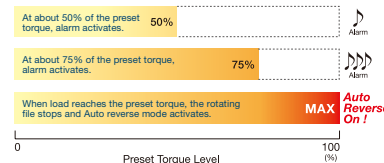


ENDO-MATE TC2 Motor



ENDO-MATE AT Motor & Cord

Two kinds of alarm sound for safer and efficient treatment (For ENDO-MATE TC2)



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



The heads can be washed in the thermoisinfector



The heads are autoclavable up to 135°C

ENDO-MATE AT

Stylish and compact endo micromotor

For use with all brands of Ni-Ti files

The endodontic motor has a wide range of torque and speed settings, allowing it to be used with Ni-Ti Files from virtually all major manufacturers.



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.

Features

- Fits all major brands of Files
- Torque control, with integrated auto-reverse function
- Compact stylish control / monitor pad
- Large screen size for immediate visibility
- Flat control panel for simple and user friendly operation
- Lightweight, smart handpiece offering excellent visibility
- Convenient On/Off switch

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.

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.



ENDODONTICS



ENDO-MATE AT Complete Set

ENDO-MATE AT with 16:1 Head

MODEL ENDO-MATE AT ORDER CODE Y1002190

Contents

- Control Unit, Motor Handpiece
- Contra-angle Head (IFX75)
- Handpiece Stand
- AC Adaptor

Specifications

- Power Supply : AC 230V 50/60 Hz
- Number of Programs : 9
- Max. Torque : 7 Ncm (when using 20:1 head)
- Speed range : 100-13,000 min⁻¹
- Dimensions : W268 x D230 x H103 (mm)
- Weight : 342g (Including Motor handpiece)

iPexII

Advanced Apex Locator

Using the results of numerous clinical trials and verification tests as a base, NSK created **SmartLogic**, a next-generation Apex Locator compatible with diverse tooth forms, and that provides superior accuracy in detecting the root apex. At the biologically crucial root apex - the Zone of Precision - the iPexII is able to provide a clear, accurate image of the file tip's location on its LCD panel.



Features

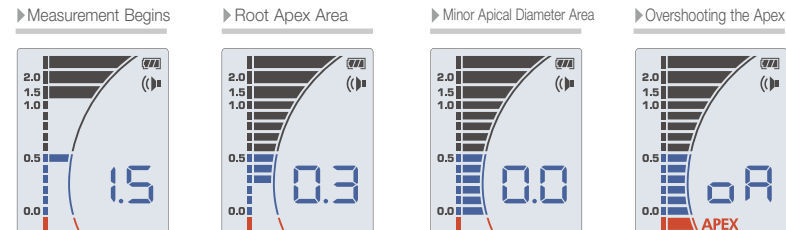
- High-precision root canal measurement generated by using SmartLogic
- Auto-detects the apex accurately in any conditions, dry or wet
- A stylish and compact body requiring only a small space
- 3 different alert sounds depending on the location of the file tip, ensuring precise procedures
- A 3 colour 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 AT / Contra-angle) The NSK endodontics products and iPexII ensure safe, precise and efficient root canal procedures.



iPexII Complete Set



MODEL **iPexII Complete Set** ORDER CODE **Y1002208**

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 1.5V AAA (LR03 or R03) batteries
- Continuous use : Approx. 60 hours
- Dimensions : W60 x D60 x H86 (mm)
- Weight : 76 g (unit without batteries)

Ti-Max Ti-ENDO Endodontic Handpiece with Adjustment Ring

With an easy-to-set adjustment ring, Ti-ENDO provides the precise torque control for sensitive endodontics procedures. Noticeably small head offers great access even in the molar area. Root-canal preparation can not be easier and safer! Applicable to all major brands' Ni-Ti files.

Advantages

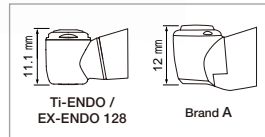
- 4-level of torque settings (0.25, 0.5, 1.0, 3.0 Ncm)
- Exceptionally small head
- Push Button Chuck



MODEL **Ti-ENDO** ORDER CODE **C589**

- 128:1 Reduction
- Solid Titanium Body
- For Ni-Ti files (ø2.35)
- 360° Rotation

Head size comparison



Power Ring allows power setting at 4 different levels.

EX Series Endodontic Handpiece

With one of the smallest heads available to endodontic handpiece, EX-ENDO 128 offers superb access even in the molar area. 128:1 reduction speed helps to provide safe and precise endodontic procedures. The compact body and Push Button Chuck reduces clinician's hand fatigue.

Advantages

- Exceptionally small head
- Push Button Chuck



MODEL **EX-ENDO 128** ORDER CODE **C592**

- 128:1 Reduction
- For Ni-Ti files (ø2.35)
- 360° Rotation