



ENDODONTICS



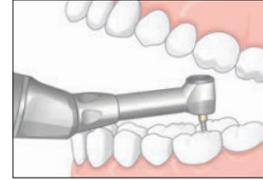
ENDO-MATE TC2

Stress free for more comfort

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

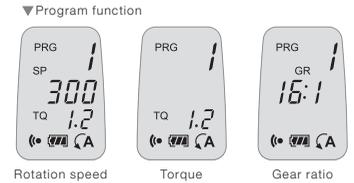
Mini head & Slim neck

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



Program function

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

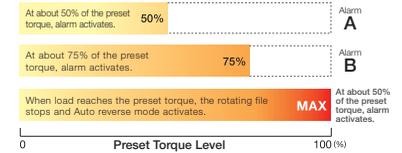


Safety for delicate endodontic treatment

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

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 | Y1001027 |

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

ENDO-MATE TC2 Complete MPA Set

| MODEL | ORDER CODE |
|-------------------|------------|
| ENDO-MATE TC2 MPA | Y1001028 |

- Contents :
- MPA-F16R Head
 - ENDO-MATE TC2 Motor
 - Battery Charger

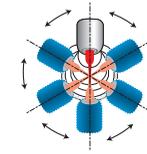
Specifications

- Speed range : 2,000-9,000 min-1
- Charge : 1.5 h (depending on workload)
- Continuous use : 1.2 h (depending on workload)



ENDO-MATE DT2

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.

Compatible all popular brands of Ni-Ti files

Up to 9 settings (speed and torque etc) can be programmed simply by pushing the memory function button. It's easy to switch between each preset program allowing work with all popular Ni-Ti file manufacturer's protocols.

| Gear Ratio | Rotation Speed(min ⁻¹) |
|------------|------------------------------------|
| 20:1 | 100-650 |
| 16:1 | 125-800 |

Auto reverse function

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

2 way power source

ENDO-MATE DT2 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 DT2 with 20:1 Head

| MODEL | ORDER CODE |
|----------------------|------------|
| ENDO-MATE DT2 (230V) | Y1004230 |

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

ENDO-MATE DT2 without Head

| MODEL | ORDER CODE |
|--------------------------|------------|
| ENDO-MATE DT2 W/O (230V) | Y1004231 |

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



*Files are not included.

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)
- Speed range : 100-13,000 min⁻¹ (With 20:1, 1:1 geared heads)
- Charge/Continuous use : 5 h / 2 h (depending on workload)
- Dimensions : W 93 x D 147 x H 100 (mm)
- Weight : Unit 440 g / Motor handpiece and Cord 95 g

ENDO-MATE TC2 / ENDO-MATE DT2 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.



MPA head
For long shank ø2.35



MPAS head
For short shank ø2.35
Shank length : up to 12 mm

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



Connect



Disconnect

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 |
|-----------------------|------------------|----------------|
| 20:1 Reduction | MPAS-F20R | Y110046 |
| 16:1 Reduction | MPAS-F16R | Y110098 |

- Connection for Apex locator (for short shank)

iPexII



Features

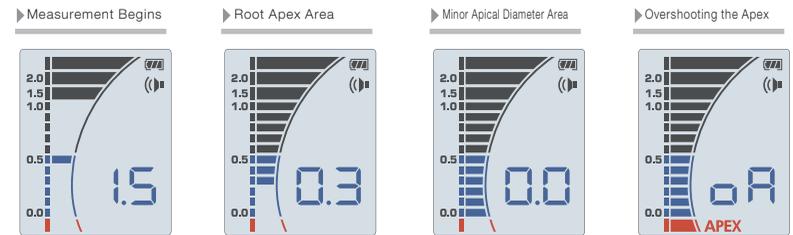
- High-precision root canal measurement generated by using SmartLogic
- Auto-detects the apex accurately in any conditions, dry or wet
- A stylish and compact body requiring only a small space
- 3 different alert sounds depending on the location of the file tip, ensuring precise procedures
- A 3 colour 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 |
|---------------------|------------|
| iPexII Complete Set | 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 1.5 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)

Endodontic Handpieces

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

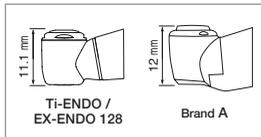


| MODEL | ORDER CODE |
|--------------------------------|-------------|
| 128:1 Reduction Ti-ENDO | C589 |



Power Ring allows power setting at 4 different levels.

Head size comparison



EX Series

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
- For Ni-Ti files (ø2.35)
- 360° Rotation



| MODEL | ORDER CODE |
|------------------------------------|-------------|
| 128:1 Reduction EX-ENDO 128 | C592 |