

ENDODONTICS

Create it 

ENDODONTICS

NSK

ENDO-MATE TC2

Cordless
Endodontic Micromotor

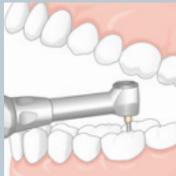
Smarter & Safer

Work Smarter and Safer with Freedom of Movement

A large LCD, simple 5-key operation and a lightweight, cordless handpiece assure easy use even during the most delicate endodontic procedures. The Auto Reverse & Alarm Function alerts you with an audible sound to let you know that the load is about to reach the preset torque level allowing you to unload the file even before the Auto Reverse is setting in. 5 programs for different file systems. TC2 supports most major brands of Ni-Ti files.



Mini head & Slim neck



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

Stress free for more comfort

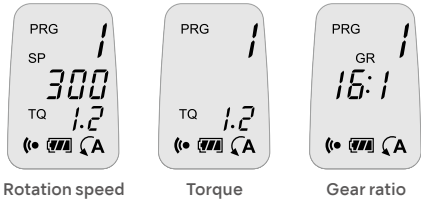
Cordless handpiece delivers freedom of movement. Lightweight, ergonomic design.

LCD panel

Large LCD panel and access-friendly key.

Program function

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



Suitable for use with most major brands of Ni-Ti files

Selecting gear ratio attachment applies the entire rotation and torque.

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

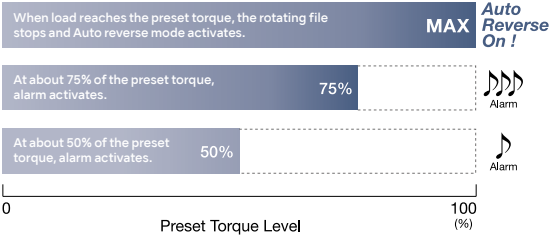
Safety for delicate endodontic treatment

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.

This function cannot completely absorb the individual difference of the actual motor handpiece and contra-angle.

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 TC2 / ENDO-MATE AT Heads & Motors

Heads for Endodontic Application




Gear Ratio	MODEL	ORDER CODE
20:1 Reduction	MP-F20R	Y110044
16:1 Reduction	MP-F16R	Y110096
10:1 Reduction	MP-F10R	Y110048

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



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

- For Ni-Ti files (ø2.35) • Miniature Head • 360° Rotation
- Connection for Apex locator (For short shank) • Push Button Chuck




Gear Ratio	MODEL	ORDER CODE
16:1 Reduction	iFX75	C1098

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


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 system. 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.




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

Motors



- ENDO-MATE TC2**
- Motor Speed : 2,000-9,000 min⁻¹
 - Torque Control • Auto Reverse



ENDO-MATE AT

Endodontic Contra-angles

FX SERIES



Gear Ratio	MODEL	ORDER CODE
16:1 Reduction	FX75m	C1055001

- Max Speed : 1,250 min⁻¹ • For engine files • Stainless Steel Body
- 360° Rotation • Push Button Chuck • Miniature Head

NLZ Endo





Gear Ratio	MODEL	ORDER CODE
6:1 Reduction	NLZ Endo	C1130



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



Spare Parts

ENDO-MATE TC2



MODEL	PRODUCTS	ORDER CODE
ENDO-MATE TC2 Motor		E346
Ni-MH Rechargeable Battery (Pack of 2)		Y900103



* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride).
Never attempt to use a non rechargeable battery.

MODEL	PRODUCTS	ORDER CODE
Battery Charger		U614
Power Cord		U439551


MODEL	PRODUCTS	ORDER CODE
Cord for MPA / MPAS		C876021
Connection Cord Clip		C876509


ENDO-MATE AT

MODEL	PRODUCTS	ORDER CODE
ENDO-MATE DT Adaptor		U480
Handpiece Stand		Z095205



MODEL	PRODUCTS	ORDER CODE
Cord for MPA / MPAS		C876021
Connection Cord Clip		C876509



ENDO-MATE TC2 / ENDO-MATE AT Heads

MODEL	PRODUCTS	ORDER CODE
MP-Y Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C547

MODEL	PRODUCTS	ORDER CODE
MPA-Y Connection for Apex locator (for long shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C548

iPexII

MODEL	PRODUCTS	ORDER CODE
iPexII File Clip		U1109351
iPexII Tester		U1109353

MODEL	PRODUCTS	ORDER CODE
iPexII Probe		U1109352
Lip Hook		U501513