

# ENDO-MATE DT Standard Sets



## ENDO-MATE DT Standard Sets

MODEL	ORDER CODE
ENDO-MATE DT (120V)	Y141120
ENDO-MATE DT (230V)	Y141121

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

## ENDO-MATE DT Standard Sets Without Head

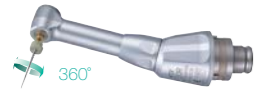
MODEL	ORDER CODE
ENDO-MATE DT W/O (120V)	Y141123
ENDO-MATE DT W/O (230V)	Y141124

- Control unit • Motor and cord
- Handpiece stand • AC adaptor
- \* ENDO-MATE DT Set without Head

### Specifications

- Power supply: AC120V 60 Hz or 230V 50/60 Hz and Battery pack
- Number of Program: 9 • Max Torque: 7Ncm (when using 20:1 head)
- Speed range: 100~13,000min<sup>-1</sup> (with 20:1, 4:1, 1:1 geared heads)
- Charge/Continuous use: 5h/2h (depending on workload)
- Dimensions: W92xD148xH124mm • Weight: Unit 456g / Motor handpiece & cord 92g

### [Push type]



MODEL	ORDER CODE
○ MP-F20R	Y110044
● MP-F16R	Y110096
● MP-F10R	Y110048

- Miniature Head • 20:1 / 16:1 / 10:1 Reduction
- For Ni-Ti files (ø2.35) • Push Button Chuck



MODEL	ORDER CODE
○ MPA-F20R	Y110045
● MPA-F16R	Y110097

- Miniature Head • 20:1 / 16:1 Reduction
- For Ni-Ti files (ø2.35) • Push Button Chuck
- Connection for Apex locator (for long shank)



MODEL	ORDER CODE
○ MPAS-F20R	Y110046
● MPAS-F16R	Y110098

- Miniature Head • 20:1 / 16:1 Reduction
- For Ni-Ti files (ø2.35) • Push Button Chuck
- Connection for Apex locator (for short shank)

### [Latch type]



MODEL	ORDER CODE
● NML-F16R	Y110019

- Miniature Head • 16:1 Reduction
- For Ni-Ti files (ø2.35)

The icons shown beside each of the models indicate 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

### ENDO-MATE DT Motor & Cord



MODEL	PRODUCTS	ORDER CODE
ENDO-MATE DT Unit		U421002
ENDO-MATE DT Motor & Cord		E275
ENDO-MATE DT Adaptor		U479001(120V) U480001(230V)
Handpiece Stand		Z095206
FC-15 Foot Control		Z248
Cord For MPA / MPAS		C876021
Connection Cord Clip		C876509
Rechargeable Batteries		U421070
F-Type Spray Nozzle		Z256090

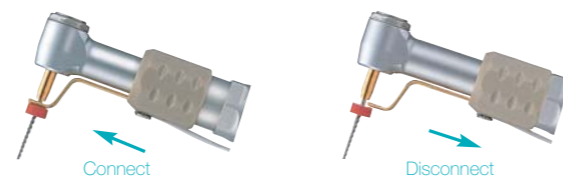
### Apex Locator Capability

MPA and MPAS heads are equipped with built-in probe ring which enables to use the Apex locator with the ENDO-MATE DT system. By combining an Apex Locator with NSK ENDO-MATE DT, clinicians will be able to perform more accurate root canal preparations. All heads are autoclavable up to 135°C.

**2 types of file holders**  
 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 DT FROM NSK  
**ENDO MICROMOTOR WITH TORQUE CONTROL**

**ENDO-MATE DT**

smart & portable



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Specifications are subject to change without notice.

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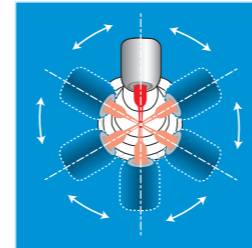
# ENDO-MATE DT

ENDO-MATE DT has been developed for use with most major brands of Ni-Ti files.

The preprogramming function allows highly efficient treatments using different file manufacturer's procedures. The control unit has been designed to be lightweight and compact. It is fitted with a rechargeable battery providing high mobility. The lightweight and slim handpiece allows high performance.

Lightweight, smart and comfortable handpiece.

## 6 head angles for ease of treatment



Depending on the position of treatment site, the head angle can be adjusted to the best angle.

## 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.



## Features of ENDO-MATE DT

1. Fits all popular brands of Ni-Ti files
2. Torque control, with an auto-reverse function
3. Compact desktop unit
4. Wide screen provides high visibility
5. Flat control panel allows simple and user friendly operation
6. 2 way power source (AC cord / rechargeable battery pack)
7. Lightweight, smart and comfortable handpiece
8. Handy on/off switch



10.5mm

## Push type Ultra miniature head



Allows fast and easy exchange of files during procedures. Compact head offers excellent visibility of treatment spots.

## Quick coupling



Quick coupling allows for easy head exchange. All heads are autoclavable up to 135°C.

\* actual size

## Fits 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 required procedures.

Gear	Head Speed (min <sup>-1</sup> )
20:1	100-650
16:1	125-800
10:1	200-1,300
4:1	500-3,200
1:1	2,000-13,000

## 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.

## Dual ON/OFF control

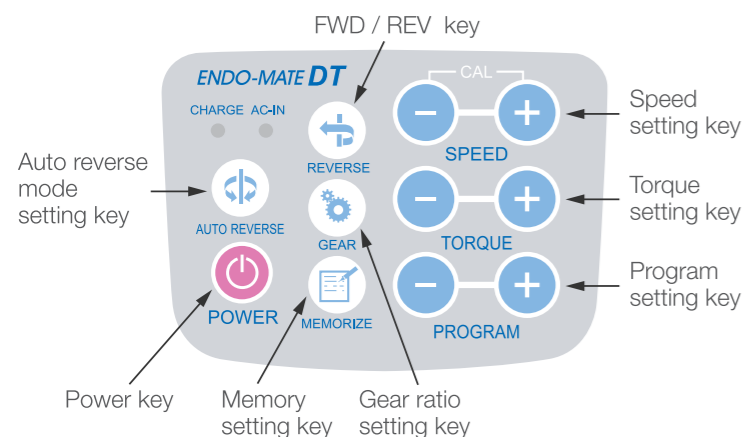


Motor ON/OFF operation is selected with handy switch located on the handpiece body or foot controller according to user's choice. (Foot controller is optional).

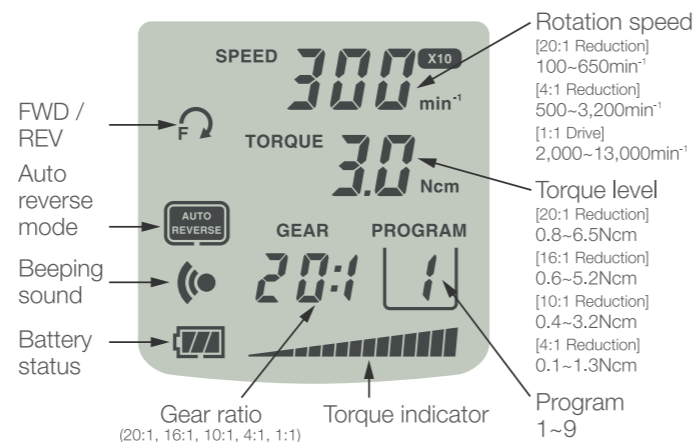
## Other functions

- Beeping sound notifies user when preset torque limit has been exceeded.
- Auto power OFF function (after inactive for 10 mins).
- Battery status is shown on the screen.

Flat control panel allows simple user friendly operation



Wide screen provides high visibility



## 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 Modes:



[ Continue automatically ]

The motor reverts to forward rotation after auto reverse has freed the file.



[ Stop automatically ]

The motor stops after auto reverse has freed the file.



Alternatively, the auto reverse function can be deactivated.