

**BRASSELER**  
USA<sup>®</sup> BY YOUR SIDE<sup>™</sup>

**EndoSync<sup>™</sup>**  
SIMPLE. SAFE. SMART.

# EndoSync™

## CORDLESS MICROMOTOR

The dynamic design of the EndoSync Cordless offers a unique combination of Safety and Performance all in one handpiece. This high performance endodontic motor is the lightest cordless in its class with numerous safety features including Optimized Torque Reverse (OTR) technology, torque slowdown, and the ability to connect to the EndoSync A.I. Apex Locator. The EndoSync offers the safety you deserve with the efficiency you require.

**Order Number:**  
**5025411U0**

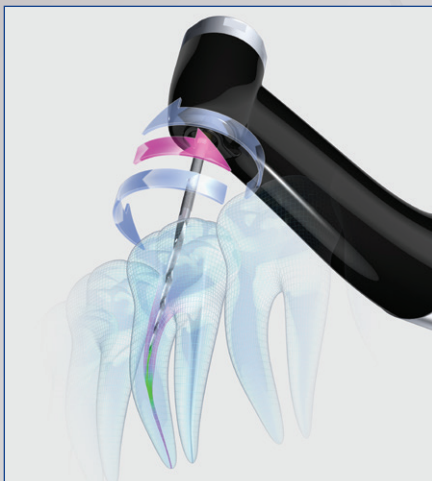
Weight: 100 grams

Power Supply: 120V

Speed Range: 50-1,000 rpm

Battery: Rechargeable Lithium Ion

Warranty: 1 Year



## OTR TECHNOLOGY

- Combines the efficiency of rotation with the safety of reciprocation.
- Monitors the torque load on the file up to 16 times per second.
- When the torque applied to the file exceeds the set limit, OTR instantly reverses the file 90° and then immediately returns to the forward cutting direction, repeating this process only if the strain on the file persists.
- The intuitive disengagement of the OTR reduces the risk of file separation, ledge formation and transportation.



## ► SIMPLE

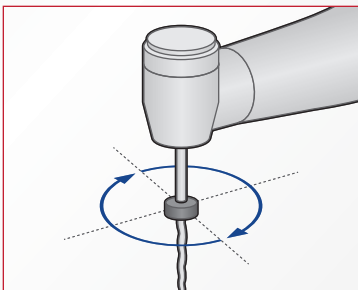
The easy-to-operate handpiece features 6 memory settings, multi-colored LCD screen, audible alerts and a wide variety of automatic controls for increased confidence, even in the most challenging cases.

## ► SAFE

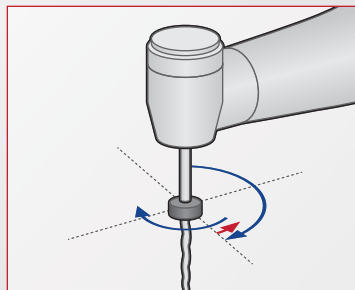
The EndoSync Cordless is equipped with OTR (Optimized Torque Reverse) technology. Disengaging the file only when needed, OTR drastically reduces the likelihood of file separation.

## ► SMART

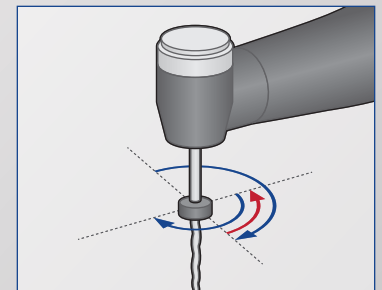
The EndoSync Cordless monitors the torque load on the file up to 16 times per second and communicates with the EndoSync A.I. Apex Locator to provide real-time depth readings.



**Conventional** rotary systems continually rotate in the forward direction and then auto-reverse the file out of the canal when reaching the torque limit, reducing efficiency.



**Reciprocal** file systems continually spin forward and backwards regardless of torque on the file. Torque is unmonitored. Studies indicate continual reciprocation increases the incidents of micro cracks, debris extrusion and post-operative sensitivity.



**OTR** continually rotates in the forward direction, and only reverses 90° if the torque limit is reached and immediately returns to the forward cutting direction, maximizing efficiency.

# EndoSync™ A.I.

## APEX LOCATOR

The EndoSync A.I. Apex Locator features the latest innovative design and technology in endodontic measurements, all encompassed in a lightweight, compact system. Equipped with automatic calibration, a memory bar, audible warnings, and a large LCD screen, the EndoSync A.I. delivers precision to meet your endodontic needs.

**Order Number:**  
**5025412U0**

Weight: 110 grams

Size (mm): 60 (w) × 103 (d) × 57 (h)

Battery: DC 1.5V AAA

3 memory settings

Warranty: 1 Year



### ► SIMPLE

The lightweight, compact and portable design features an easy-to-operate panel with three memory settings.

### ► SAFE

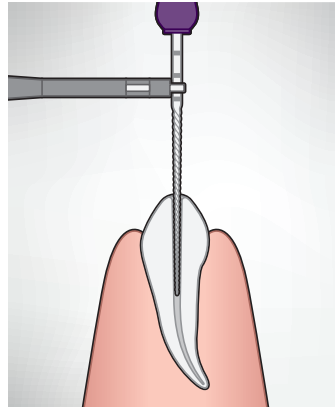
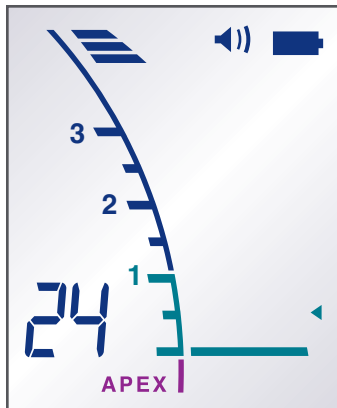
With the latest technology in endodontic measurements, the EndoSync A.I. accurately determines the file's location in a variety of canal conditions. The accuracy is unaffected by the presence of blood, electrolytes, saline or irrigants in the canal.

### ► SMART

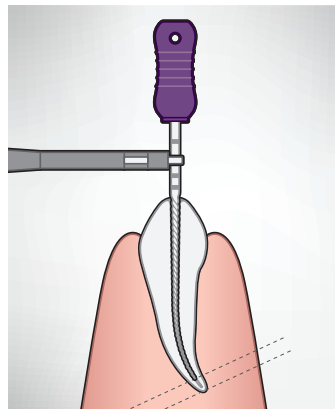
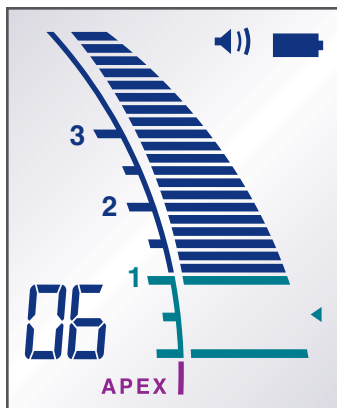
Automatically calibrates to meet canal conditions during treatment including changes to temperature and moisture with the ability to work in synchronization with the EndoSync Cordless.



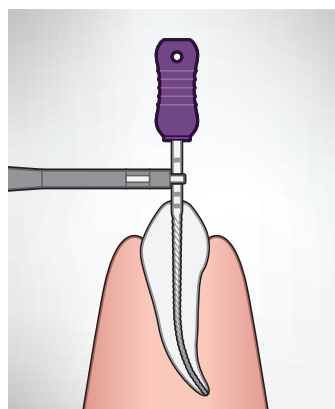
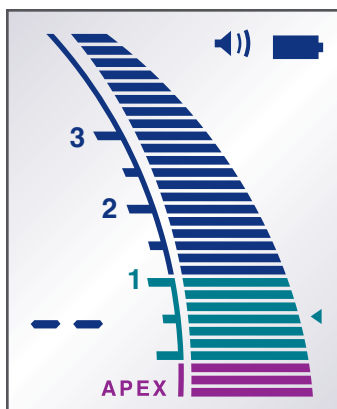
# SIMPLE. SAFE. SMART ROOT CANAL MEASUREMENT



*The read-out is automatically activated when the file enters the canal.*



*When the tip of the file approaches the apex, the bar color changes to green, indicating you have reached a critical area.*



*The position of the apex is represented by the word "APEX" along with the change in color of the meter bars.*

# SIMPLE. SAFE. SMART.

Connecting the EndoSync Cordless to the EndoSync A.I. Apex Locator places a variety of automatic settings at your fingertips.

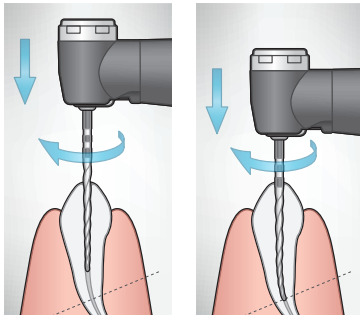


## ► SIMPLE

**Full Color Display:** When synchronized with the EndoSync A.I. Apex Locator, the LCD display of the EndoSync Cordless changes color, along with the Apex Locator, to indicate the precise location of the file.

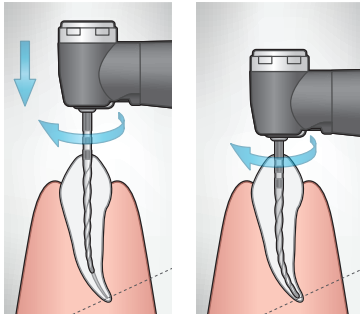


## ► SAFE



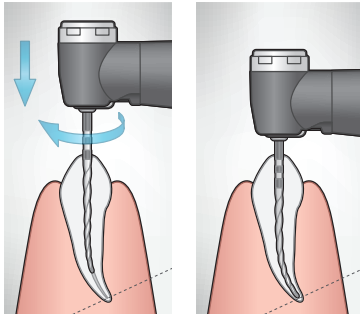
### Apical Torque Reduction

*Torque level is automatically reduced as the file approaches the apex.*



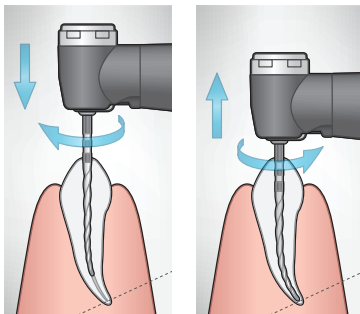
### Apical Slow-Down

*Rotation speed is automatically reduced as the file approaches the apex.*



### Apical Stop

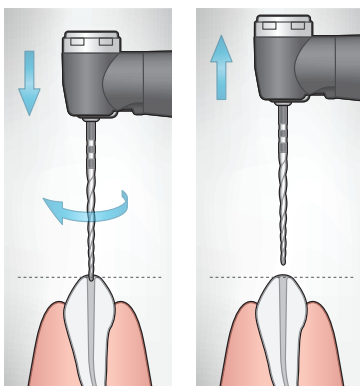
*The file stops rotating when the apex has been reached.*



### Apical Reverse

*The file rotates in the opposite direction when the apex has been reached.*

## ► SMART



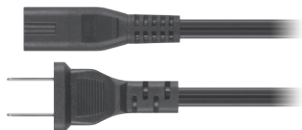
### Automatic Start-Stop Function

*When synchronized with the EndoSync A.I. Apex Locator, Auto Start and Stop options can be enabled. Rotation begins when the file enters the canal and stops when removed.*

## EndoSync™ ACCESSORIES



EndoSync Head Only\*  
**5025561U0**



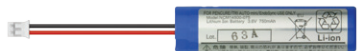
Power Supply Cord\*  
**5025564U0**



Built-In Electrode  
with Guide Bur\*  
**5025560U0**



Transmission Cable  
**5025552U0**  
*Required for connecting  
to EndoSync A.I.*



Battery\*  
**5025565U0**



EndoSync Oil\*  
**5025559U0**

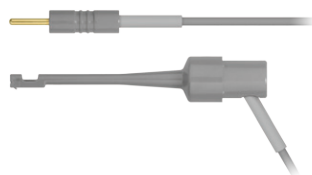
## EndoSync™ A.I. ACCESSORIES



Probe Cord\*  
**5025557U0**



Contrary Electrodes\*  
**5025554U0**  
5/Pack



File Holders\*  
**5025553U0**  
5/Pack



Function Tester\*  
**5025555U0**



Long File Holder  
**5025558U0**

*\*Replacement accessory. Included in set.*

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