Eighteeth

Innovate Dentistry With Eighteeth

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Eighteeth

CATALOG

CATALOG

5 Implant & Surgery Systems

6 Large Equipment

Eighteeth

MotorSurg

FinScan F350

E-Sanit 23

Anesthesia
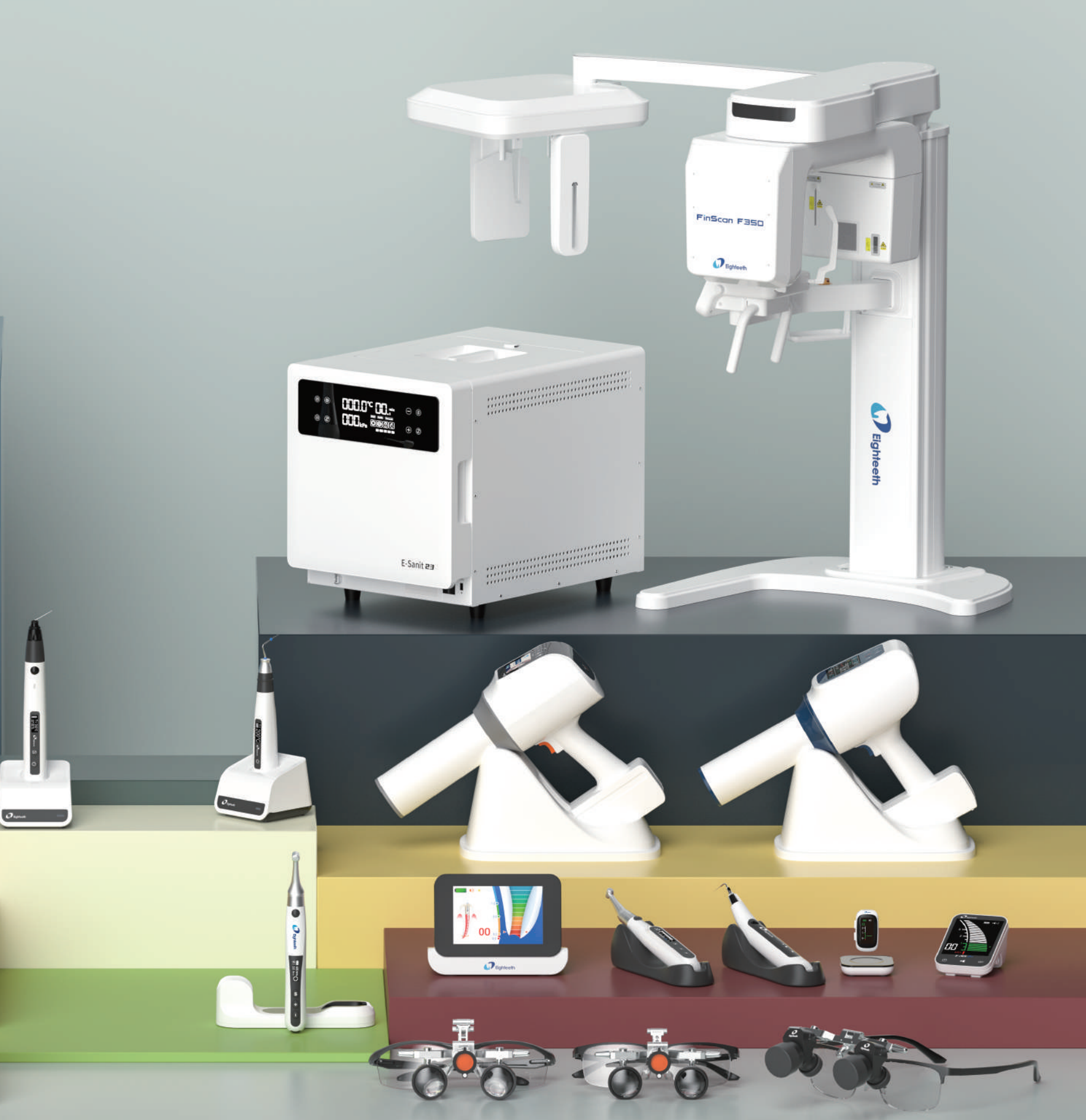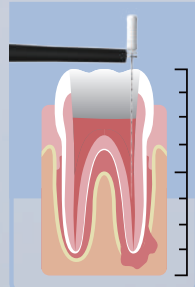
FindPex

Apex Locator Using
ASW Technology

Main Technical Specifications:

Dimensions	156mm × 106mm × 114mm (package)
Weight	247g
Screen	3.5"color TFT
Battery	Lithium-ion battery, 3.7V/800mAh
Adapter	Input: AC 100-240V, 50Hz/60Hz, 0.2A
	Output: DC 5V/1A
Frequency	50Hz/60Hz, ±10%
Power rating	0.2A MAX
Degree of protection	IPX 0
Electrical safety class	Class Ⅱ

More Accurate & Anti-Interference

Exclusive **Adaptive Sine Wave (ASW)** technology & next-gen multi-frequency technology enhance the measurement accuracy.

High-speed AI chip allows real-time response

Adaptive to various root canal conditions

3 Adjustable Measurement Sensitivity Levels

Tailored to meet the demands of different users

◄ Low ►   ◄ Mid ►   ◄ High ►
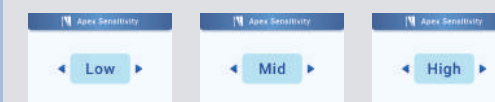
Personalized Customization

- Personalized background & Sound recognition

Light and Dark Theme Interface

- Advanced settings include time for auto-shut down & auto-return to the home page, language and volume
- Adjustable screen brightness fits different visual needs & saves energy

Ultimate Experience of Visual &Tactile Sensations

- Screen visible from any angle: 3.5-inch TFT color screen and IPS technology

IPS   Normal

Up 60°

Left 60°   Right 60°

Down 60°
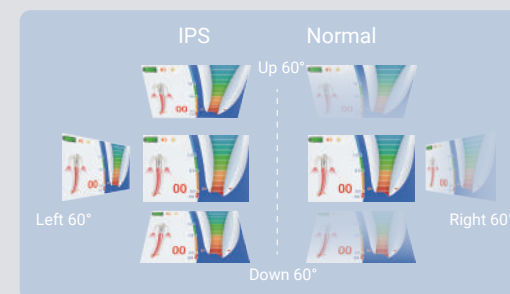
- Upgraded touch buttons

Intuitive Operation

- Synchronous endo file position demonstration
- Distinguishes Oral & Non-Oral Environments: 'Connected' indicator for non-oral settings, numerical display for oral environments
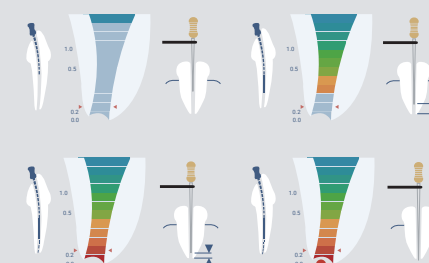
Long-lasting Durability

- Durable Accessories: 316L stainless steel lip hook & biomimetic-silica-wrapped file clip
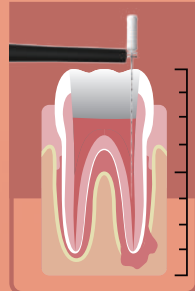
E-PEX

Smart Apex Locator

Integrate Endomotor with Apex Locator (Connect Function)

- (A) Auto Start & Stop
- Apical Reverse
- Apical Slow Down

Smart Accurate and Reliable Apex Locator

- Advanced Multi - frequency Technology
- High Precision in Wet & Dry Canals
- Large 3.5" LCD Display
- Automatic Calibration
- Compact Size & Stable Design

Screen Display & Its Meaning

	Interface	Interface	Interface	Interface
Display				
Value	1 2	0 9	0 0	- 3
Meaning	The corresponding scale value is 2, indicating the distance from the apex is about 2mm	It indicate that the distance from the apex is about 1.5mm	It indicates that the endo file reaches the apex	It indicates that the root canal file has exceeded the apex
Alarm	Didi alarm sound for a long time interval	Didi alarm sound interval becomes shorter	Uninterrupted long beep	Very rapid Didi alarm sound
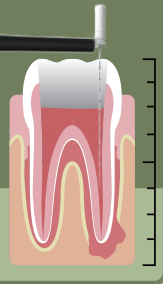
AirPex

Wireless Apex Locator

International Patent
No.:PCT/CN2019/110429
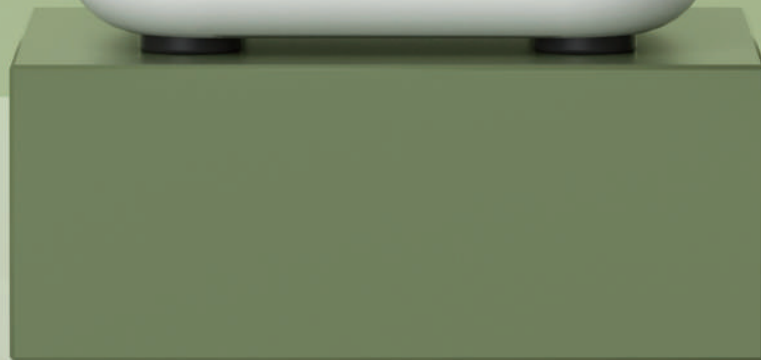
Feel the Charm of Wireless Charging

Lay it down , Charge it up
Charging is as simple as placing
the AirPex on the charging base

True Wireless Apex Locator

Get rid of the wire to the fullest
Use without magnet wire
Accuracy through wirelessness
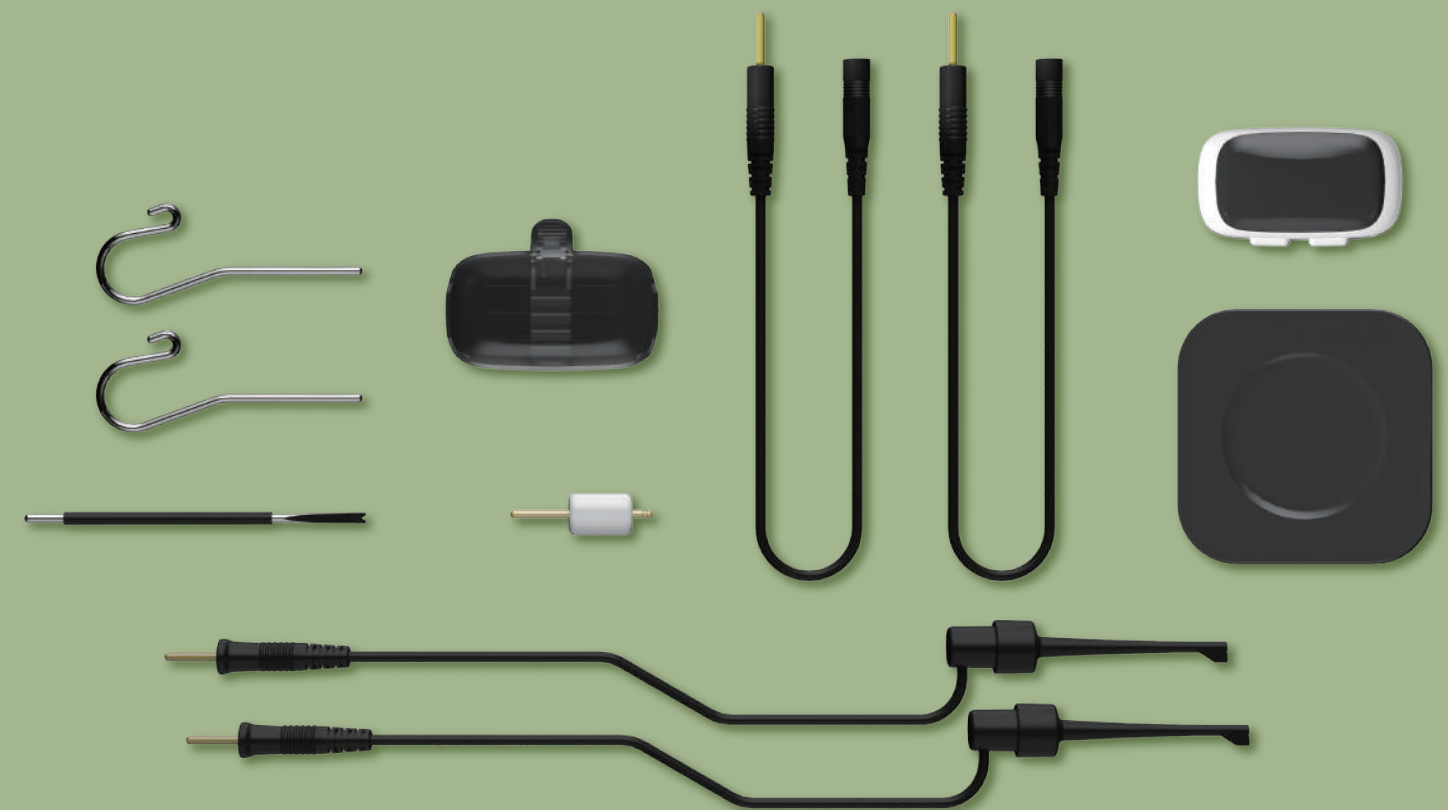
E-STYLE & E-FLEX Series

NiTi Endo File

- View Details -

E-FLEX RT

E-FLEX S

E-STYLE BLUE

E-FLEX REC

E-STYLE GOLD

E-FLEX ONE

E-FLEX GOLD

E-FLEX BLUE

E-FLEX MINI

E-FLEX EDGE

E-xtreme

Cordless Endo Motor

Smaller | Lighter | Quieter than ever

360° contra-angle rotation

Slim and compact design for maximum comfort and mobility

Miniature contra-angle for better visibility & easier pos t erior access

— Miniature contra-angle Super Mini head & thin neck

— Normal head & neck

Eighteeth innovative motor, cutting down the noise from inside, allowing you to experience the tranquility.

Less than 100 grams, reducing hand fatigue during treatment, providing the ultimate E-xtreme experience.

Reciprocation function

| 30° 150° | 150° 30° | 180° 30° | 210° 30° | 250° 30° |
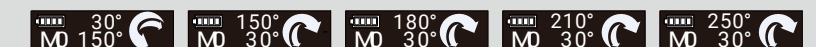
Built-in file system

Specifications

Model	: E-xtreme	Power supply	: 100 V-240 V
Weight(grams)	: 99 g	Frequency	: 50 Hz / 60 Hz
Torque range	: 0.5 N.cm-4.0 N.cm	Output	: DC 5 V/ 1 A

E-CONNECT

Cordless Endo Motor

Torque Calibration

Digital OLED Display
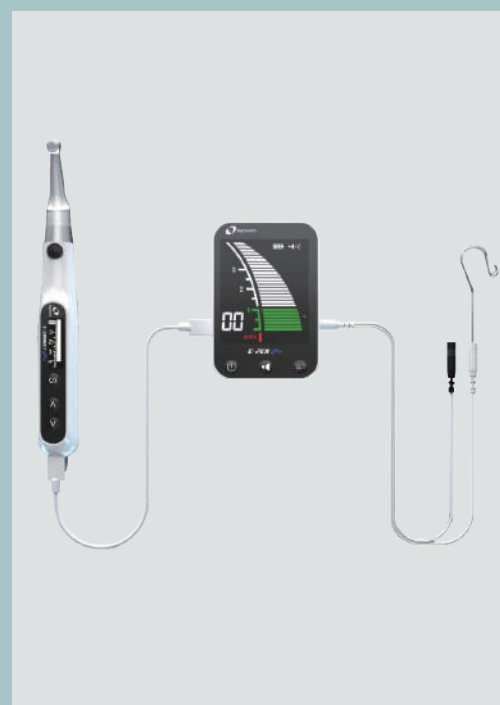
Low Noise Motor

Ambidextrous * Display

Powerful 1500 mAh Lithium Battery

Integration Option

Screen Cast / Mirroring

*User can rotate the Endomotor Screen towards left or right
*In connect function Endomotor mirrors Apex Locator's screen

Integrate Endomotor with Apex Locator (Connect Function)

Auto Start & Stop

Apical Reverse

Apical Slow Down

Five Reciprocation Modes (M0)

Reverse Reciprocation-One Mode
Counter clockwise & clockwise movement

Fwd 30° - Rev 150°
For reciprocating files

Forward Reciprocation-Four Modes
Clockwise & counter clockwise movement

Fwd 150° - Rev 30°   Fwd 180° - Rev 30°
Fwd 210° - Rev 30°   Fwd 250° - Rev 30°
For all continuous rotation files

Nine Editable Memory Programs (M1 to M9)

RPM Maximum Speed 1000 rpm

360° Clockwise Rotational Movement

Editable Speed / Rpm Setting

Editable Torque setting

Forward Direction of Rotation

Reverse Direction of Rotation

Torque Auto Reverse
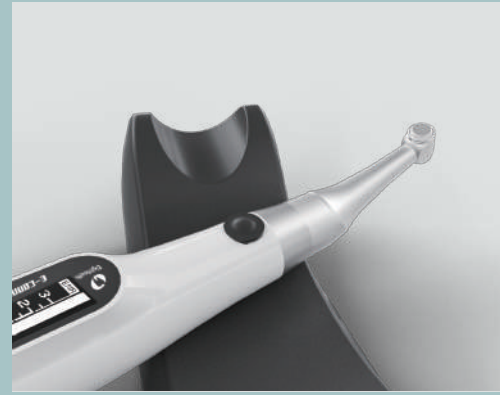
One Piece Contra Angle Head

360° Adjustable Handpiece

Detachable Head

Miniature Head

Autoclavable

E-connect S

Endomotor With Built-in Apex Locator

Torque Calibration
For precise torque output

OLED Screen
Digital OLED Display

Ambidextrous Display
Screen can be rotated as per Left or right hand use

Powerful Battery
Heavy duty 1500mAh Lithium battery
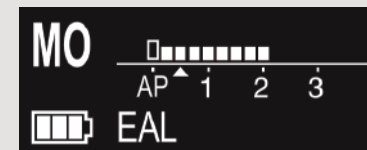
M0 - Stand Alone Apex Locator Mode

Apex Locator Bar

Zoom-in & Flash Bar
(when file goes beyond 0.5mm)

APEX LOCATOR

• **Apical control with rotary instruments**
Position of file is displayed on screen and the motor rotates in reverse direction when file reaches pre-set apical working length, to prevent over instrumentation

• **Manual canal measurement**
Manual file clip can be used to measure canals precisely with hand files

• **Multi frequency technology with high accuracy & precision**

• **Apex locator flash bar with zoom-in function**

Working Modes:

FWD - Clockwise Continuous Rotation

REV - Anti-clockwise Continuous Rotation

**REC** - Reciprocation Movement
– First-in-class cordless open motor with adjustable angles of rotation ranging from 30° to 370° for reciprocation as per user's need
– First-in-class feature of speed adjustment in reciprocation mode

ATC - Adaptive Torque Control
ATC manages the file stress in a smart way. When torque limit is reached, instead of going into reverse mode, motor reciprocates till the stress is reduced. Once back to below pre-set torque level, file will again rotate in continuous rotation

Integrated mode features:

• Auto Start & Stop - Motor starts working when the file enters inside root canal, and stops when withdrawn

• Apical Reverse - When the file reaches pre-set apical reverse point, user can define whether the file starts moving in reverse direction

• Apical Slow Down - To preserve the cemento-dentinal junction and avoid file separation, speed of motor slows down when file is in apical region

Specifications:

Rotational Speed Range	: 120-1000 rpm
Torque Range	: 0.5-4.0 N.cm
Memory Programs	: 11 (M0 to M10)
Battery Capacity	: 1500 mAh
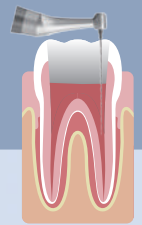
E-connect S+

Endomotor With Built-in Apex Locator

360° Rotatable Contra Angle
Upgraded contra angle
One-piece body design

Torque Calibration
For precise torque output

Advanced Brushless Motor Less Reciprocal Vibration
With reliable quality, bring you precise operation and higher efficiency

Ambidextrous Display
Screen can be rotated, convenient for lefties

Built-in Apex Locator - Sensitivity Adjustable
The sensitivity of apex locator is adjustable

TFT Colorful Display
With excellent color saturation, tint reducing power and higher contrast

Seamless Shell
Ergonomic design

Visualized Apical Display
A simulated image of the apex will appear on the screen when using the apex locator function, which vividly shows the apex position and is convenient for dentists' judgment

Adjustable Backlight Brightness
The brightness of backlight is adjustable which can save power and meet the photosensitive needs of different dentists
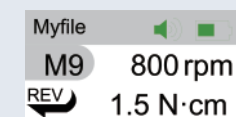
Customizable Built-in Endo File System
User could input endo file information

Myfile	
M9	800 rpm
REV	1.5 N·cm

Built-in File System

New File
Myfile
E-FLEX EDGE
E-FLEX GOLD
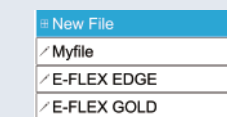
Long Press S to enter the Mode Setting interface, press "New File" to add a new file system

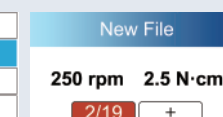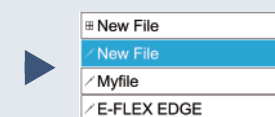| New file |
| --- |
| 123 q w e r t y u i o p |
| ABC a s d f g h j k l _ - |
| X z x c v b n m . ✓ |
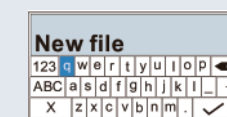
File name
New file

Long press S to modify the File name

Taper Indicator	Torque Limit	Speed Set	Operation Mode	Size	Taper
▬	2.5 N·cm	250 rpm	FWD	19	2

Press to set Taper, Size, Operation Mode, Speed Set, Torque Limit, Taper Indicator

New File
New File
Myfile
E-FLEX EDGE

New File	
250 rpm	2.5 N·cm
2/19	+

"New file" mode can be chosen to use

New File	
Add one	
2/19	+

New File	
200 rpm	3.0 N·cm
2/19	4/25 +

New File	
04/25	200 rpm
FWD	3.0 N·cm
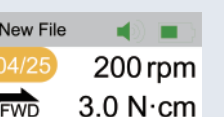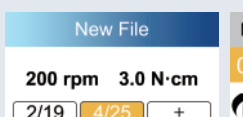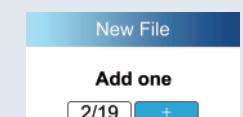
Can also continue to add new file parameters in this mode

Working Modes:

- **Fwd** - Forward Rotation
- **REC** - Reciprocation Mode
  - Reciprocating angle range 30°-370°
  - The reciprocating angle can be adjusted every 5 degrees
- **Rev** - Reverse Rotation
- **ATC** - Adaptive Torque Control Mode
  After reaching the preset torque, motor will reciprocate according to the set angle to improve the efficiency of root canal enlargement

Torque Below Pre-set Limit
Forward Rotation

Torque Reaches Pre-set Limit
Reciprocation (ATC Mode Active)

Torque Below Pre-set Limit
Forward Rotation

Specifications:

Speed Range
50 rpm -1500 rpm

Torque Range
0.5-5.0 N · cm

Reciprocating Angle
Every 5 degrees

Battery Capacity
1900 mAh

E-value

Cordless Endo Motor

Specifications:

Speed Range	: 120-1000 rpm
Torque Range	: R.L-4.0 N.cm
Memory Programs	: 10 (M1 to M10)
Battery Capacity	: 1900 mAh

OLED Color Screen
More comfortable visual experience

Built-in File System
Switch file systems quickly

360° Rotatable
360° Rotatable Contra Angle

Brushless Motor
Reliable, Durable, Efficient

Long Battery Life
Heavy capacity
1900mAh lithium battery

Mini Contra Angle
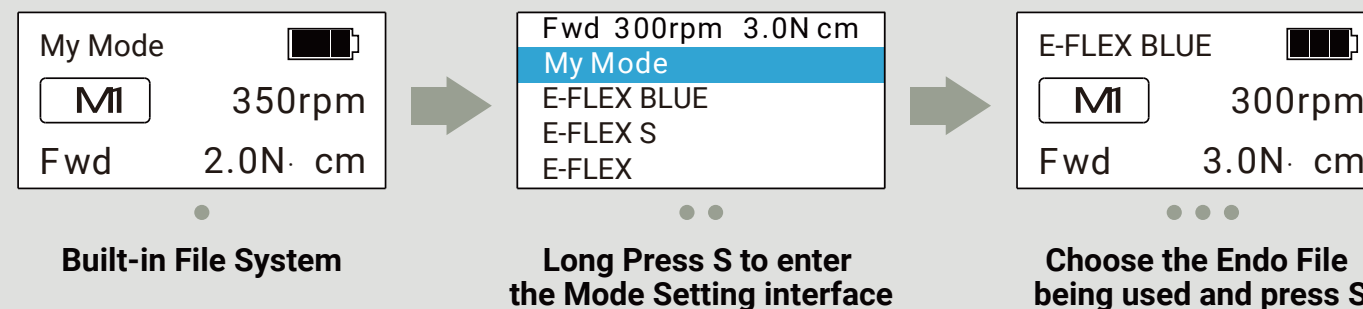Advanced 1:1 contra-angle
One piece design

New contra-angle head   Normal head & neck

Built-in File System

My Mode ▇	Fwd 300rpm 3.0N cm	E-FLEX BLUE ▇
M1 350rpm	**My Mode**	**M1** 300rpm
Fwd 2.0N· cm	E-FLEX BLUE E-FLEX S E-FLEX	Fwd 3.0N· cm
Built-in File System	**Long Press S to enter the Mode Setting interface**	**Choose the Endo File being used and press S**

Note: the doctor could adjust the speed, torque limit and reciprocating angle according to the needs of the case.

Working Modes:

- ↻ • **Fwd** - Forward Rotation
- ↺ • **Rev** - Reverse Rotation
- ⤺ • **REC** - Reciprocation Mode
  - Doctor could set the reciprocating angle and speed level according to actual needs
  - – Speed Level range from Level 1 to Level 5
  - – Angles range from 30° to 370°
- • **ATC** - Adaptive Torque Control Mode
  - After reaching the preset torque limit, motor will recipro-cate according to the set angle to improve the efficiency of root canal enlargement

30°

370°

Torque Below Pre-set Limit	Torque Reaches Pre-set Limit	Torque Below Pre-set Limit
Forward Rotation	Reciprocation (ATC Mode Active)	Forward Rotation
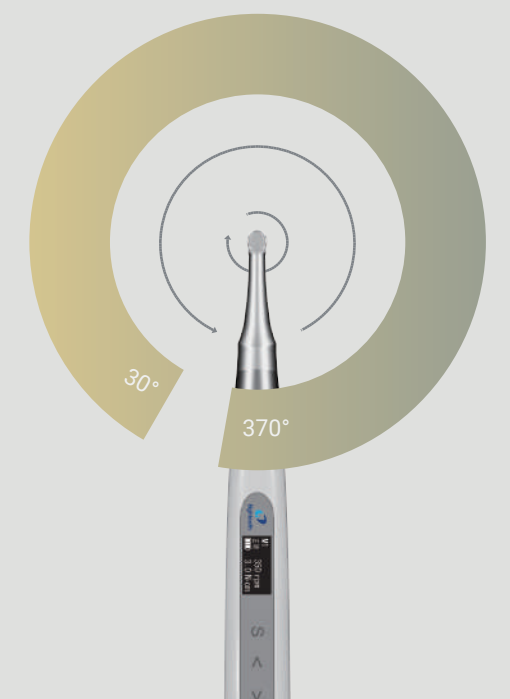
Ultra $\mathcal{X}$
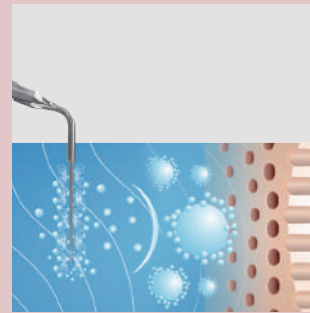
Cordless Ultrasonic Activator

Available Tips

Size	Length(mm)
#20 2%	18 & 21
#25 2%	18 & 21

$\mathcal{X}$ Gold
Super Powerful

$\mathcal{X}$ Blue
Flexible

$\mathcal{X}$ Silver
Soft & Flexible

Autoclavable Tips

Smooth Surface Finish

Flexible Tips
*Only X Blue & Silver are Flexible Tips

Multiple Tip Options

In Action

Cavitation Effect
It is the process of formation of millions of gas bubbles in the irrigation solution. These gas bubbles grow in size, oscillate in different directions and explode into the liquid,producing powerful cleaning action

Acoustic Streaming
It is a unidirectional flow of liquid produced by ultrasonic waves. Movement of tip produces special effect called acoustic turbulence which accelerates the movement in liquid inside the root canal
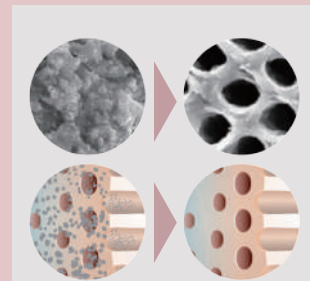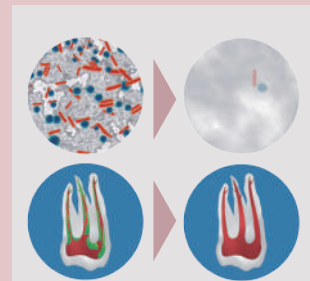
Indication

Smear Layer Removal
Effective in removal of smear layer and unplugging of dentinal tubules

Dentin Chips Removal
Ultrasonic agitation forms suspension of residual dentinal chips and tissue remnants with irrigant and facilitates their easy removal
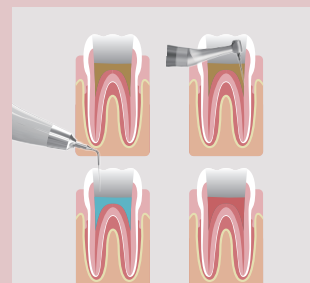
Indication

Biofilm Disruption
Ultrasonic cavitation disrupts the biofilm and helps to reduce bacteria load in the canal

Cleaning of Complex Anatomy
Ultrasonic activation helps irrigants to flush into undetected or un-instrumented canal anatomy like isthmus, fins, lateral canals,apical ramification etc. Also helps to remove vapour lock

Protocol

- Prepare the root canal up to required size with the help of shaping and finishing instruments
- Choose the desired disinfectant and flushing agents for cleaning, debridement and disinfection of canals
- Fill the chosen irriation solution into the canal, never run Ultra X without irrigating solution
- Select the Ultra X tip of desired size and length which passively fits into canal, always keep 2 - 3mm short of apex
- Activate solution using short vertical up & down strokes for 30 seconds. Be careful to not breach apical 2mm
- Use the device gently and never apply pressure or wedge the tip inside the canal. If any points of resistance, then retrieve the ultrasonic tip
- Replenish the irrigating solution, use suction to remove the loose debris. Repeat the cycle 4 to 5 times
- Completely dry the canal and fll it with choice of obturation material
- It is always recommended to isolate the tooth using rubber dam and use personal protective barriers like head gear, mask, eyeglasses etc

Key Features

Ultrasonic Activation Device

45 kHz High Frequency

Application Based Multiple Tips

1500 mAh Powerful Battery

Key Features

Two Power Modes with LED Indicator

Contra-angle Design

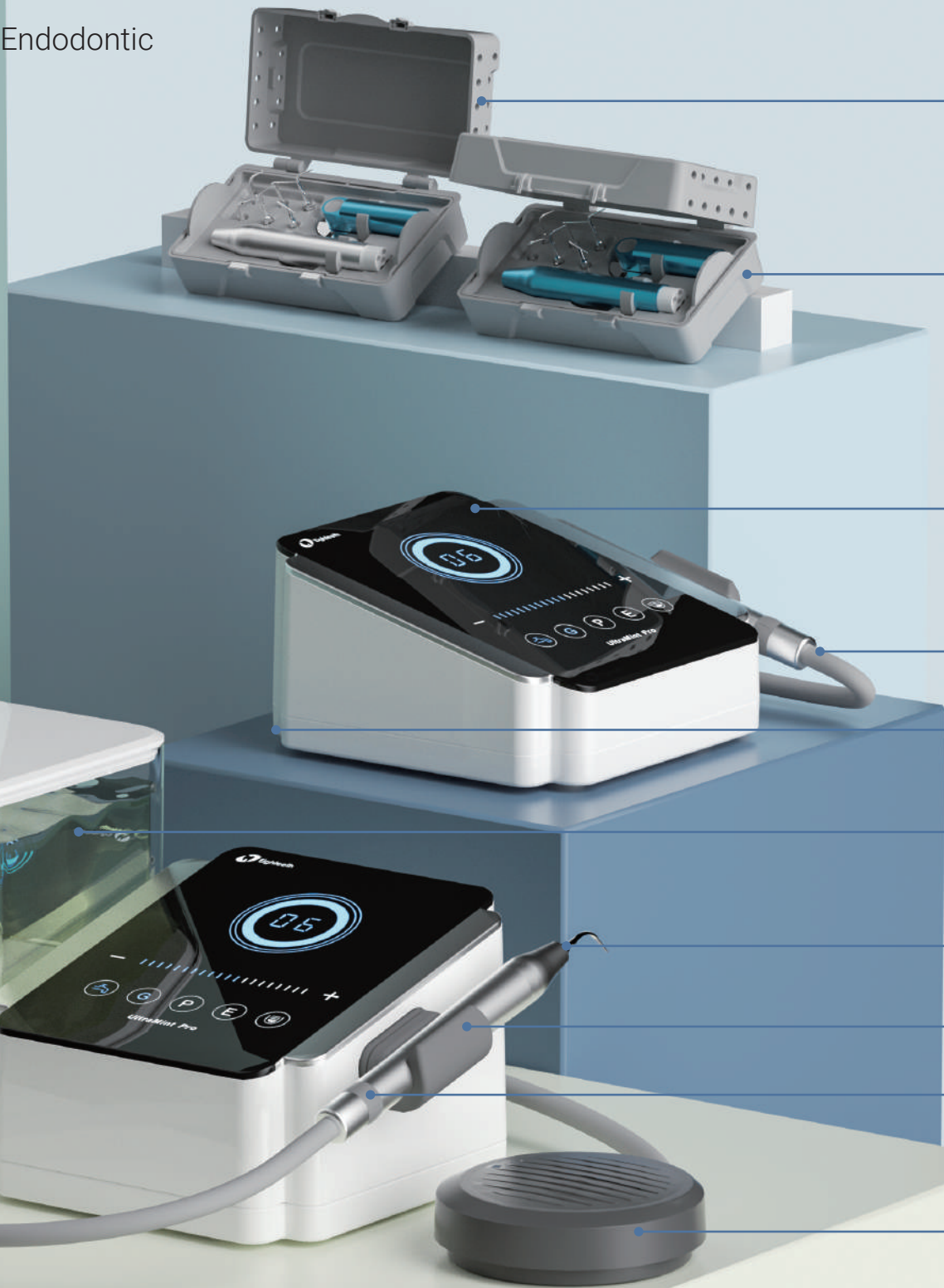Light Weight & Ergonomic

Cordless Irrigation Device

Battery

1500 mAh Lithium Battery

Battery Level Indicator

4.5 Hrs of Continuous Operation

Option of Direct Plug & Play

UltraMint & UltraMint Pro
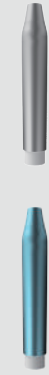
All-round Ultrasonic Scaler

Scaling | Periodontic | Endodontic

Soft Perio Power for Ultimate Comfort

Autoclavable plastic box -
tips*6, universal wrench*1, EMS type handpiece*1

*Applicable for all tips from Eighteeth

Autoclavable plastic box-
tips*6, universal wrench*1, Satelec type handpiece*1

Smart touch system-ultrasensitive & waterproof

Intelligent self-cleaning-makes disinfection easy and avoids cross-infection

Two ways of water supply-
Changing supply methods is easier than ever before
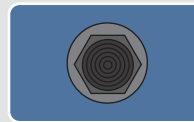
900ml stand-alone bottle with clear 20ml scale mark makes it convenient for formulating liquid.

900ml

Detachable handpiece with LED-
autoclavable, ergonomic, brighter visibility

Detachable and autoclavable handpiece holder, resists cross-infection

Water control directly from handpiece

Ergonomic foot pedal

2cm

• Satelec type

• EMS type

One scaler, 2 solutions
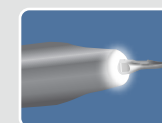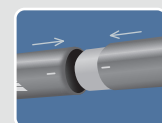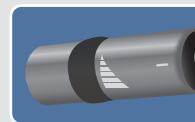
Wide range of frequency: 25kHz-42kHz

— We are proud to give you two solutions to perform at your best-
both handpieces (EMS type and Satelec type) provided by Eighteeth are compatiable with UltraMint & UltraMint Pro.*
Scaling can be as convenient as you can imagine.

*Satelec and EMS are trademarks of Acteon® and EMS®, respectively.

AI Engine — Scaling has never been so intelligent!

Customized treatment based on tooth surface conditions

Smart touch control system-ultrasensitive & waterproof

Elliptical stroke patterns with polishing effect
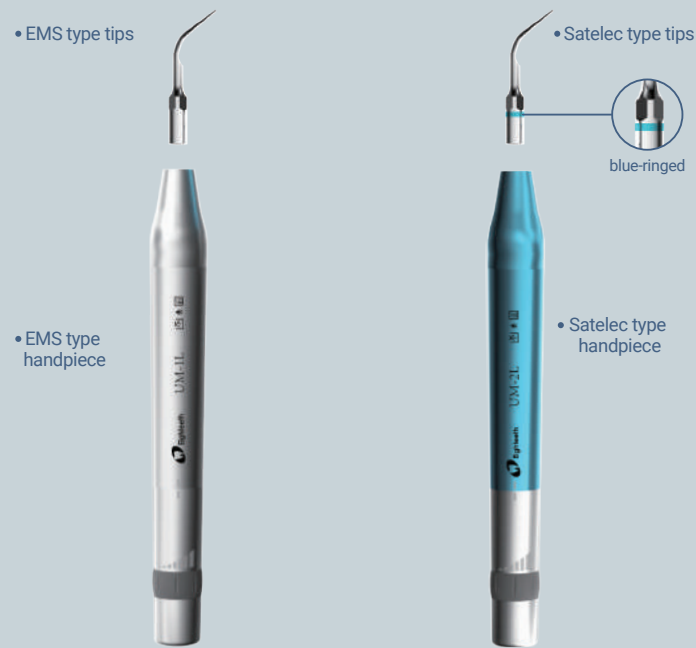
Intelligent degenerative feedback

Digital controlled automatic frequence tracking
Ensures machine works on optimim frequency

Sine wave drive
Avoids simulation caused by instantaneous current output; ensures comfortable treatment

- EMS type tips
- Satelec type tips

blue-ringed

- EMS type handpiece
- Satelec type handpiece

Tips: G1 G2 G4 P1 P3 E4
universal wrench, EMS type handpiece

Tips: E3-SD E5-S E7-S P4-S G1-S G2-S
universal wrench, Satelec type handpiece

Periodontic

P1   **P1-S**
Removal of subgingival calculus and periodontal irrigation

P3   **P3-S**
Removal of calculus deep in periodontal pocket and its irrigation

P4   **P4-S**
Removal of calculus in shallow pockets

P52   **P52-S**
Supragingival scaling

P50L   **P50L-S**   **P50R**   **P50R-S**
Used for subgingival calculus probing, subgingival proximal surface scaling and root planing

P53L   **P53L-S**   **P53R**   **P53R-S**
Used for subgingival calculus probing, subgingival proximal surface scaling and root planing

P59   **P59-S**
Used for subgingival calculus probing and scaling

P56   **P56-S**
Removal of significant supragingival calculus and plaque

P3D   **P3-SD**
Used to level off the surface of endo after the periodontal flap surgery

P4D   **P4-SD**
For locating root canal and removal of calcification from one-third of crown

Scaling

G1   **G1-S**
Removal of supragingival calculus

G2   **G2-S**
Removal of significant supragingival calculus

G4   **G4-S**
Used for supragingival and interdental space scaling

G5   **G5-S**
Removal of marginal supragingival calculus and plaque

Endodontic

E1   **E1-S**
120° angle holder for 0.7mm-0.8mm endo file for root canal cleaning

E3   **E3-S**
For lateral condensation of gutta percha by heating effect

E4   **E4-S**   **E5**   **E5-S**
Removal of foreign filling material during retreatment

E6   **E6-S**
Removal of foreign material in cavity to access canal orifice

E7   **E7-S**
Removal of broken instrument

E8   **E8-S**
Flexible and used to brush the canal walls during retreatment

E9   **E9-S**
Removal of broken instrument

E10   **E10-S**
Used for root planning in the retrograde preparation of root canal

E3D   **E3-SD**
Enlargement of the canal walls to remove the broken instrument

E30   **E30-S**   **E30-SD**
Removal of deep foreign particles in canal

Endodontic

E31   **E31-S**   **E31-SD**
Removal of foreign particles from one-third of the canal

E4D   **E4-SD**
Removal of hard material in canal during retreatment

E5D   **E5-SD**
Removal of hard material in canal during retreatment

E6D   **E6-SD**
Removal of foreign material in cavity to access canal orifice

E7D   **E7-SD**
Removal of calcification and filling material in cavity to access canal orifice during retreatment

E8D   **E8-SD**
Used for root canal restrogression, efficient root apical polishing

E9D   **E9-SD**
Removal of broken instrument

TC1   **TC1-S**   **TC1D**   **TC1-SD**
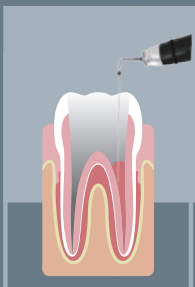Removal of cervical caries and caries on the occlusal surface

*Satelec and EMS are trademarks of Acteon® and EMS®, respectively.

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Fast-Pack pro & Fast-Fill

3D Obturation Devices

Fast-Pack pro

Obturation Pack Handpiece

200°C

220°C

Temperature Range
– Wide temperature range of 90° to 300°
– Five memory programs to customize temperature and cut-off time as per obturation material used or any other intended use of the device

Internally Heated Tip
– Only the working end (4 - 6 mm) of the tip is heated - avoids need for insulating sleeves
– The non-working end is insulated and stays cool avoiding soft tissue burn

Class-leading Controlled Heating
– Fast heating - Quick heating prevents PDL damage
– Swift cooling - Swift cooling ensure GP does not follow along the heating tip

Experience Ergonomics
– 360° start / stop ring button allows holding the device in any angle comfortable for you
– Left - right handed operation
– Comfortable grip, light in weight

Powerful Battery
– Highly efficient 2600mAh Lithium battery
– Direct Plug & Play - In case of low battery, use the device directly with adaptor

Specifications

Heating Time	0.2 seconds for 200 °C Less than 1 second for 300 °C
Cooling Time	2 seconds for cooling
Charging Time	2 hours to complete charge
Operating Time	4 hours of continuous operation at 250 °C

Small (Black) 40/0.025 - 1 Qty	Medium (Yellow) 50/0.05 - 1 Qty	Large (Blue) 60/0.06 - 1 Qty

Fast-Fill

Obturation Fill Handpiece

Fast-Fill Tips
- Autoclavable silver tips for multiple usages
- Silver tips maintain the thermoplastic temperature of GP and offers smooth flow inside canal
- 360 ° rotating tip for easy filling at all angles
- Extra long needle offers convenience and visibility
- Easy to maintain and replace

Motorized GP Flow
- Provides consistent flow of GP at desirable rate
- Precludes voids and makes obturation homogeneous
- Eliminates hand fatigue that resulted from earlier gun type devices

Comprehensive Display
- Three customizable memory programs - T1 to T3
- Temperature range 100 ℃ - 200 ℃
- GP flow rate - Low, Medium, High
- Reserve GP level indicator

Intuitive Design
- Sleek and ergonomic hand-piece
- Simple push button to dispense GP
- LED indicator reflects when the device is ready for use

Powerful Battery
- Highly efficient 2600mAh Lithium battery
- Direct Plug & Play - In case of low battery, use the device directly with adaptor
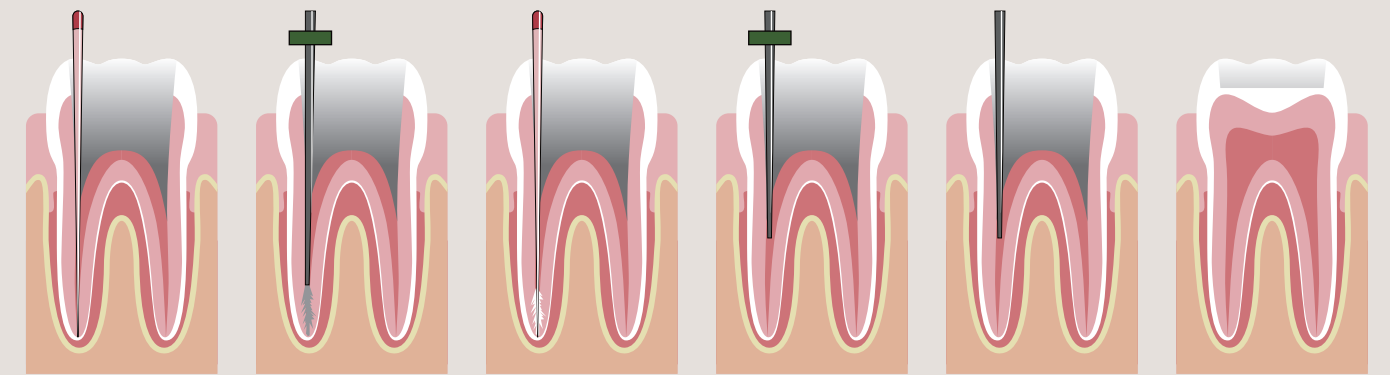
Specifications

Heating Time	20 seconds to 200 ℃
Charging Time	4 hours to complete charge
Hexagonal Wrench	Use the wrench to bend the tip, rotate the tip and clean the device

23 Gauge Large

25 Gauge Small

Protocol for Use

Master Cone Verification & Resizing

Select a master cone which corresponds to the master apical preparation. Check for tug-back and confirm the same with radiograph. Resize the GP by cutting it to 0.5 to 1mm short of the working length. This will prevent peri-apical extrusion of the GP

Selection of Fast-Pack & Plugger Tip

Select the Fast-Pack tip which reaches 4-5 mm short of the working length and give a snug fit at the tip. Mark this length using the silicon stopper. Similarly, select the hand plugger which reaches 4-5mm short of the working length

Gutta Percha & Sealer

Coat the master cone apically with the sealer and insert it into the canal. Brush the canal wall using strokes of GP and sealer

Down Pack with Fast-Pack

Remove the GP from the orifice/coronal part with the help of heated Fast-Pack tip. Plug the GP cone with pre-fit hand plugger at the orifice. Now take the heated Fast-Pack tip 4-5mm short of the working length. The bite of GP will come out of the canal along with the tip. Heated Fast-Pack tip will transfer heat to the GP and convert it into thermoplastic state. Condense the GP with the help of hand plugger to ensure the complete sealing of accessory canals and apex

Fill with Fast-Fill

Filling the canal using the Fast-Fill device in increments of 4mm till the canal is filled completely while condensing the warm GP with the appropriate plugger after each increment
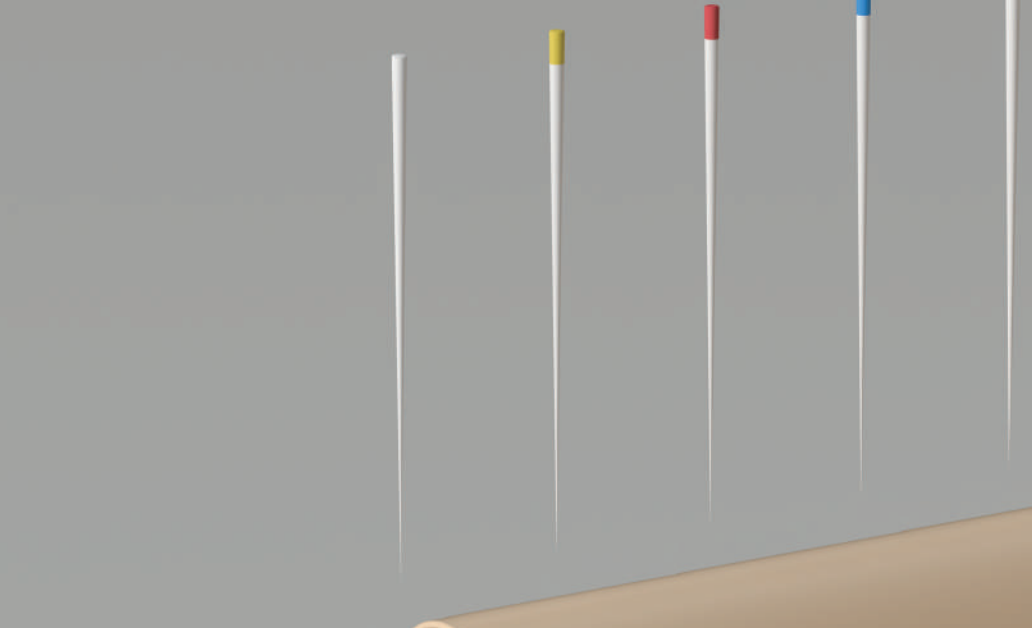
Gutta Percha Points


6%/0.06

4%/0.04

ISO 2%/0.02

d1
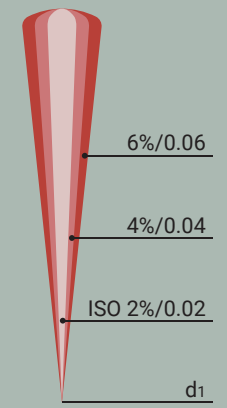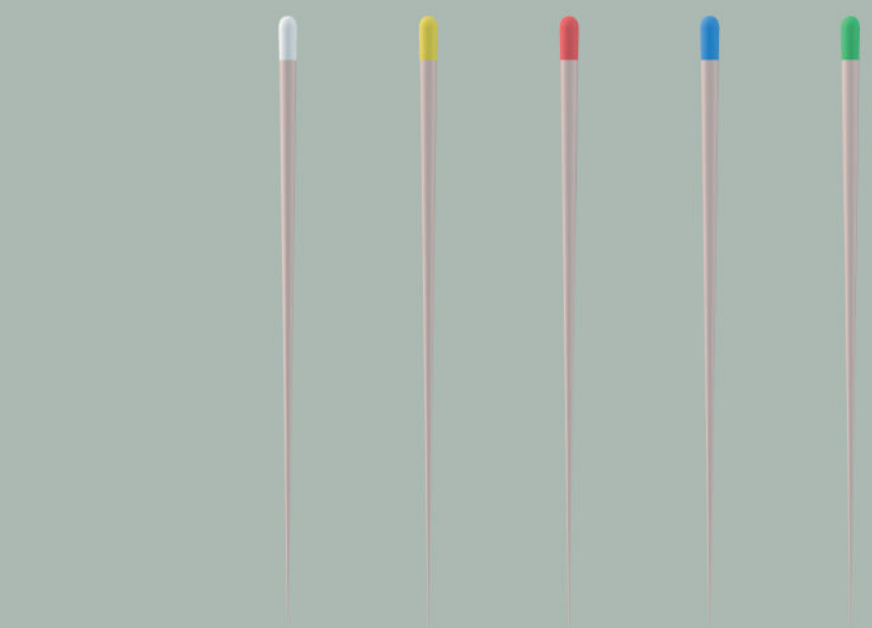
Ideal for obturating root canals which have been prepared with GT files, Profile, Quantecs, etc.
Greater Taper 0.04 and 0.06 are available in assortedor individual sizes. At the top of points(d1), the diameter corresponds to the ISO size, but then the conicity is greater than ISO points.

			white					
Gutta Percha Points (0.02 Taper) Packed Q'ty/Box: 120Points/Per Box	NO.15 NO.25 NO.20 NO.30		white yellow red blue	GP	15	20	25	30
Gutta Percha Points (0.04 Taper) Packed Q'ty/Box: 60Points/Per Box	NO.20 NO.30 NO.25 NO.35		yellow red blue green	GP	20	25	30	35
Gutta Percha Points (0.06 Taper) Packed Q'ty/Box: 60Points/Per Box	NO.20 NO.30 NO.25 NO.35		yellow red blue green	GP	20	25	30	35
Gutta Percha Points (F2) Packed Q'ty/Box: 60Points/Per Box	NO.25 Gutta Percha Points (for Pro Taper Gold) F2		red	GP			25	
Gutta Percha Points (F3) Packed Q'ty/Box: 60Points/Per Box	NO.30 Gutta Percha Points (for Pro Taper Gold) F3		blue	GP			30	

Absorbent Paper Points

			white					
Absorbent Paper Points (0.02 Taper) Packed Q'ty/Box: 200Points/Per Box	NO.15 NO.25 NO.20 NO.30		white yellow red blue	PP	15	20	25	30
Absorbent Paper Points (0.04 Taper) Packed Q'ty/Box: 100Points/Per Box	NO.20 NO.30 NO.25 NO.35		yellow red blue green	PP	20	25	30	35
Absorbent Paper Points (0.06 Taper) Packed Q'ty/Box: 100Points/Per Box	NO.20 NO.30 NO.25 NO.35		yellow red blue green	PP	20	25	30	35
Absorbent Paper Points (F2) Packed Q'ty/Box: 100Points/Per Box	NO.25 Absorbent Paper Points (for Pro Taper Gold) F2		red	PP			25	
Absorbent Paper Points (F3) Packed Q'ty/Box: 100Points/Per Box	NO.30 Absorbent Paper Points (for Pro Taper Gold) F3		blue	PP			30	
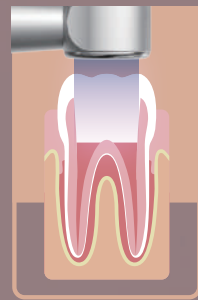
CuringPen

4 LEDs Curing Light

Technical parameter:

Dimension: 24*21*230(mm)
Net Weight: 109g
Lens size: 11mm

Power supply:
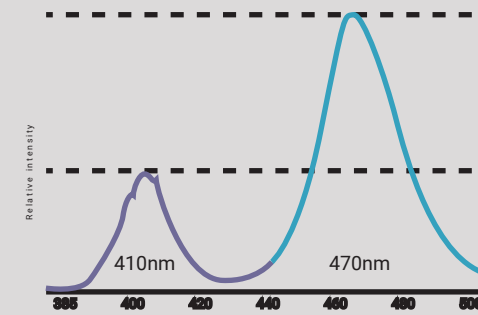>1200 times, 3 Sec
Maximum light intensity

Smart controlling chip
keeps light output consistent
Light intensity:
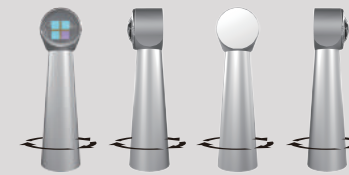1000mw/cm^2, 1500mw/cm^2, 2300mw/cm^2
600 mw/cm²(detect mode)
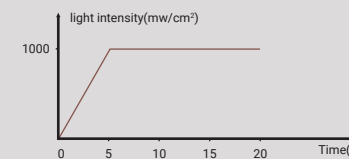
Wavelength:385-515nm
3 Blue, 1 Violet, 10w LED

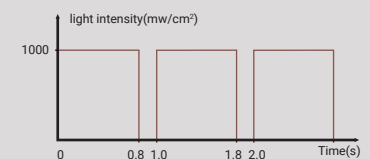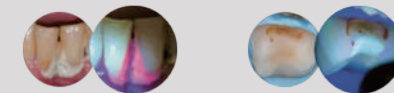410nm   470nm

360° rotatable head

Intensity digital display

MO 2300mW/cm² 02s

Multiple Curing Options

Ramp mode
light intensity(mw/cm²)

1000

0   5   10   15   20   Time(s)

Pulse mode
light intensity(mw/cm²)

1000

0   0.8 1.0   1.8 2.0   Time(s)

Caries detection

CuringPen-E

3 LEDs Curing Light

Technical Specifications:

Dimension	: 19 x 16.5 x 7.5 cm
Weight	: 120 g
Lens Size	: 8 mm
Power Supply	: >1200 times, 3000 mw/cm², 3 Sec
Maximum Light Intensity	: 3000 mw/cm²
Spectral Range	: 380-515 nm

360° Rotatable Head
Easy to illuminate various treatment areas
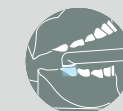
Small Light Head
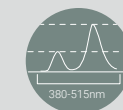Easy to access to posterior molars which offers better patient experience

Special Lens Design
Unique lens design forms a concentrated beam for uniform curing

Ultra Power
– Light intensity now up to 3000mw/cm²
– High light intensity results in deeper cure depths which could curing resins more efficiently and with short time

Broad Spectral Range 380 nm-515 nm
– Why broad spectral range?
– Most of resins use camphorquinone (CQ) materials, but some manufacturers choose alternative initiators such as TPO to reduce the yellow impact caused by CQ. TPO can only be activated by the light wave below 410nm. CuringPen-E has a broad spectrum which could effectively cure different resins.

Working Modes

• P1

Normal Mode
Light Intensity : 1200mw/cm²
Time Setting : 5s, 10s, 15s, 20s, 25s, 30s, 35s, 40s

• P2

High Mode
Light Intensity : 2000mw/cm²
Time Setting : 1s, 3s, 5s, 10s

• P3

Ultra Mode
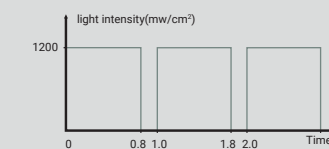Light Intensity : 3000mw/cm²
Time Setting : 1s, 3s, 5s

• P4

Pulse Mode
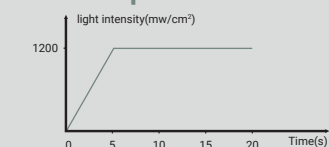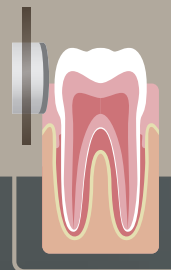Light Intensity : 1200mw/cm²
Time Setting : 5s, 10s, 15s, 20s

• P5

Ramp Mode
Light Intensity : 1200mw/cm²
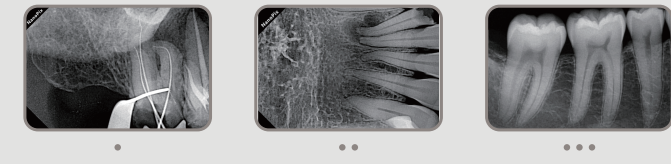Time Setting : 5s, 10s, 15s, 20s

Pulse mode

Ramp mode

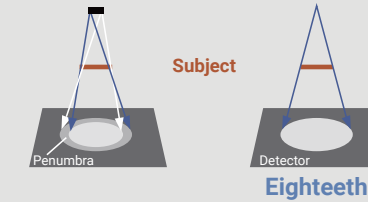# HyperLight

Portable X-ray Unit

Engineered for accurate images

- Clinical Imagery

- Sharp, high resolution images with a *0.4* focal spot

Source focal spot   Source focal spot

Subject

Penumbra   Detector   Eighteeth

Effect of focal spot size

Designed with safety in mind

Built-in leaded double shield to protect the operator from leakage radiation

Locking system to prevent unintentional exposure

Specifications

| Model	HyperLight	Weight	1.8 kg
Focal Spot	0.4	Battery	2500 mAh x 4
Tube Voltage	65 kV	Exposure Time Range	0.02-2 Sec
Tube Current	2.5 mA	Line voltage	100V-240V, 50Hz/60Hz

Simplify your digital workflow

- Compact size and lightweight can make you operate it by one hand only

- Intuitive user interface

- Smart angulation system

READY

Angle
20°

60 S

READY

Angle
-20°

60 S

20°

-20°
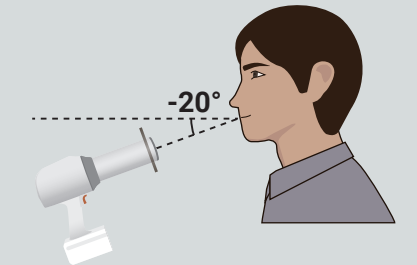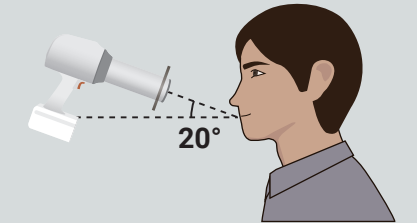
Maximize your diagnostic potential

Perfect combination

NanoPix

NanoPix
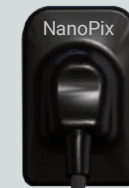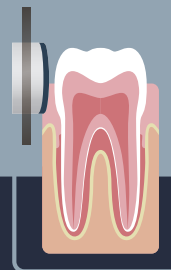
HyperLight-G

Portable X-ray Unit

Receptor
Use with film, digital sensor, phosphor plate
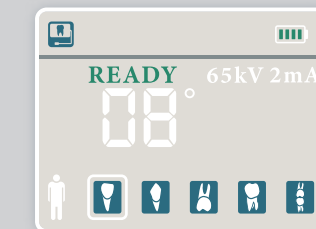
Locking System

Preset Parameter
Divided into adults and children, and can be set and controlled for different teeth

Large Battery Capacity
More than 300 exposures in one full charge

Smart angulation system, faster your workflow

65kV 2mA
READY 08°

Safe
– Internal x-ray shielding
– Locking system to avoid unintentional exposure
– Backscatter shield for operator and patient protection(*optional)

Portable
– Cordless, handheld and extremely mobile, move freely between rooms, locations and cities

Economical
– Use with film, digital sensor or phosphor plate
– Prolonged working life, at least 80,000 exposures

Specifications

Model	HyperLight-G
Tube Voltage	65 kV
Tube Current	2 mA
Exposure Time Range	0.02-2 Sec
Weight	1.9 kg
Battery	2000mAh X4
Line Voltage	100V-240V, 50Hz/60Hz