

orikam

Dedicated
Towards
Best in
Dentistry



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Point Implant

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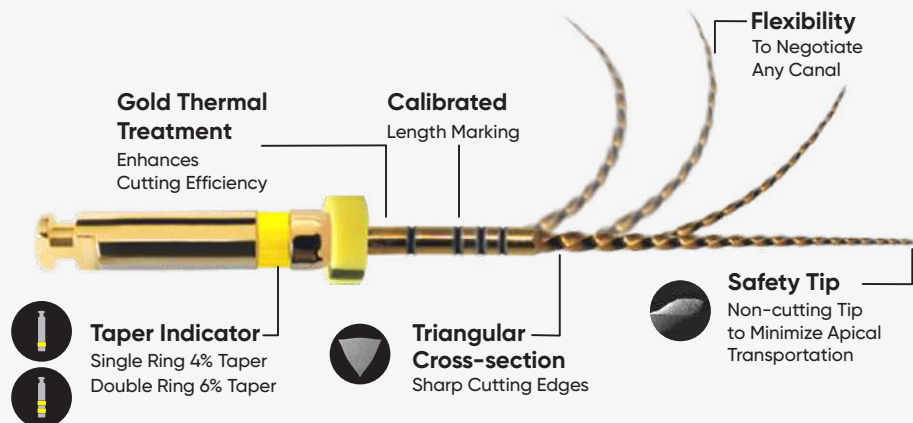
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NEOENDO FLEX FILES

The Next Level of Performance



Neoendo Flex Files utilize a proprietary heat treatment which gives them a very unique flexibility, flutes do not open when the stress levels are reached, yet the files do not present shape memory



- Unmatched gold quality at almost half the price
- Most cases require just 2 to 3 files
- Do more canals per file

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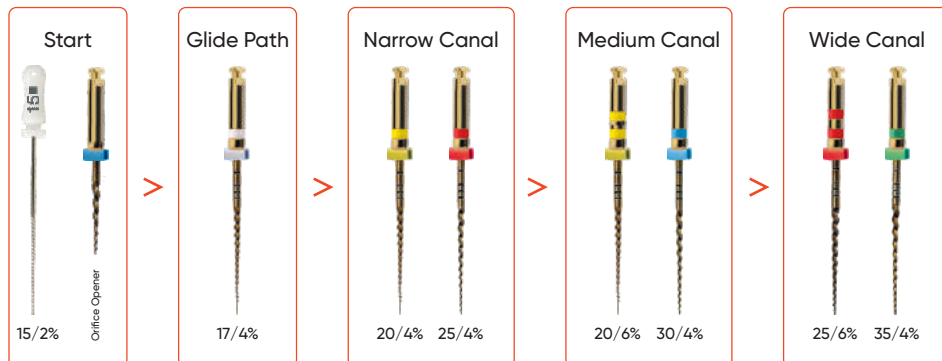
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NEOENDO FLEX FILES

The Next Level of Performance

Recommended Usage Protocol



- Use Flex Files / Flex Glide Files with gentle touch. Never force the file and always use the recommended speed & torque setting.
- Use the file in brushing motion. Take the file passively to the point of light resistance and brush out of the canal. Repeat the procedure until working length is achieved.

Available Sizes

Color	Tip Size	Taper (%)		Length [mm]			Speed Torque	Pcs
○	17	4	-	21	25		Speed: 350 rpm Torque: 1.5 NCm	6 Pcs
●	20	4	6	21	25			
●	25	4	6	21	25			
●	30	4	6	21	25			
●	35	4	6	21	25			
●	40	4	6	21	25			
Coronal Flaring File: 30/8				19				
Assorted Pack: 17/4 20/4 25/4 20/6 25/6 CF*				21	25	31		
Assorted Big: 30/4 30/6 35/4 35/6 40/4 40/6				21	25			

* CF : Coronal Flaring File

NEOTAPER

Progressive Variable Taper Files

- Neotaper shares the same fundamental metallurgy, heat treatment and triangular cross-section as Neoendo Flex File with a new sequence of variable taper files
- High Cutting Efficiency
- Minimally Invasive
- Ideal Balance of Strength and Flexibility
- CTA Wire – Controlled Thermal Activation

Triangular Cross-section

- Triangular cross-section has proven to be work horse of rotary endodontics
- Adequate area to auger debris



Optimized core size

Sharp cutting edges

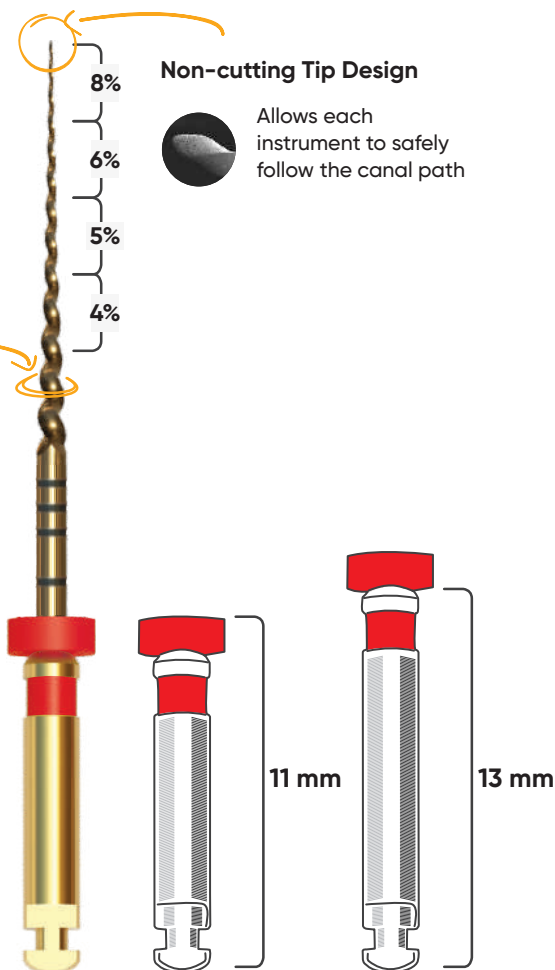
Short Handle (11 mm)

- 11 mm Short handle provides better accessibility in limited mouth opening
- Increased visibility

Non-cutting Tip Design



Allows each instrument to safely follow the canal path



Available Sizes

Sx, S1, S2, F1, F2, F3, F4, F5 (21mm & 25mm)

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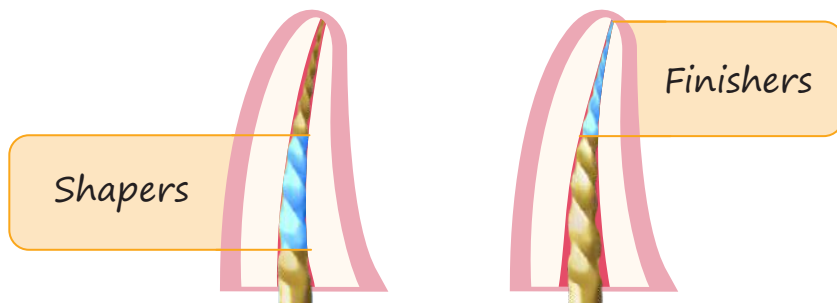
NEOTAPER

Progressive Variable Taper Files

Sx

- Specialty instrument designed to shape and open the canal orifice
- Sx is designed to cut from the middle part
- Non-cutting tip of Sx enables it to glide through the soft tissue easily
- Sx provides a safe entry path into the canal for next files- S1, S2

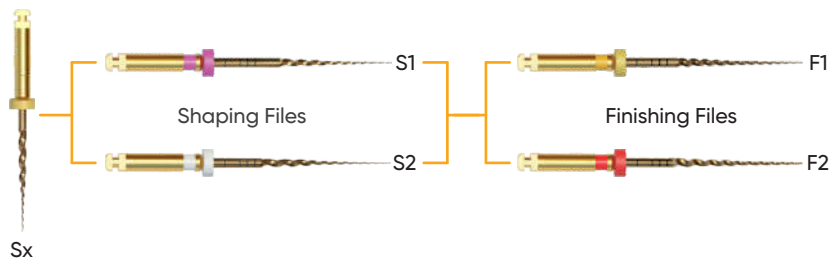
Shapers & Finishers



- Shapers are designed with narrow tapers in the apical third and higher and increasing tapers in the middle and coronal third
- Shapers are for preparing the middle and coronal third
- Narrow taper in shaping files create a path for finishers to reach the apical third easily and clean the apical third efficiently
- S1, S2
- Finishers are designed with higher tapers in the apical third and decreasing taper in the middle and coronal third
- Finishers are for apical third
- The taper decreases in coronal portion reducing chances of taper lock
- F1, F2, F3, F4, F5

Usage Protocol

SPEED: 350 rpm | TORQUE: 1.5-2 NCm

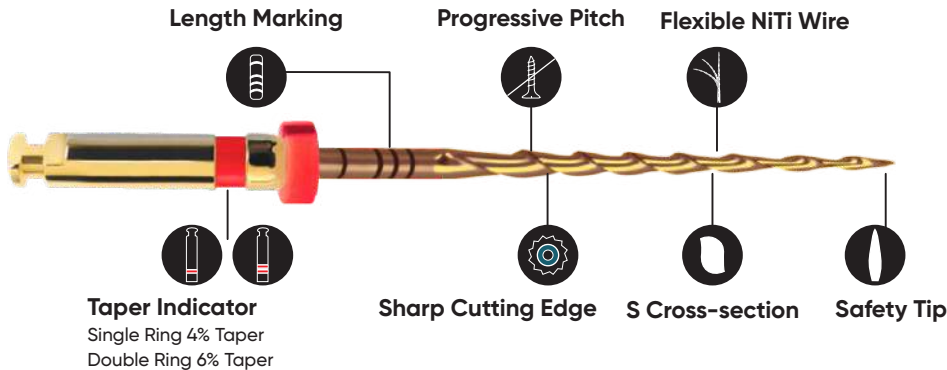


- Use Neotaper Files with gentle touch. Never force the file and always use the recommended speed and torque setting.
- Use the file in brushing motion. Take the file passively to the point of light resistance and brush out of the canal. Repeat the procedure until working length is achieved.

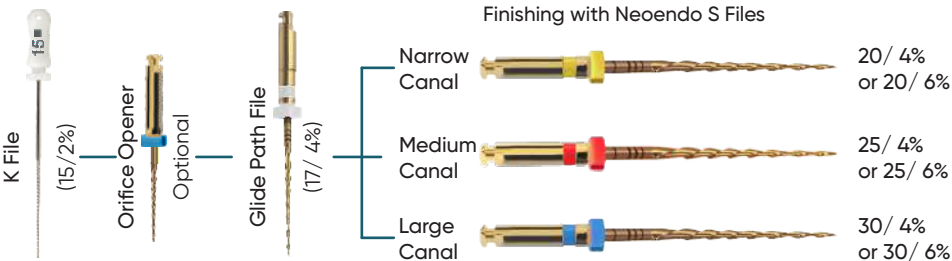
NEOENDO S

S-cross Section- Higher Cutting Efficiency

Neoendo S rotary file is designed to have a special S-shaped cross-section. This allows minimum radial wall contact which translates to reduced stress on the file.



Usage Protocol



Available Sizes

Color	Tip Size	Taper (%)		Length [mm]		Speed Torque	Pcs
○	17	4	-	21	25	Speed: 400 rpm Torque: 2 NCm	6 Pcs
●	20	4	6	21	25		
●	25	4	6	21	25		
●	30	4	6	21	25		
●	35	4	6	21	25		
Coronal Flaring File: 30/8				19			
Assorted Pack: 17/4 20/4 20/6 25/4 25/6 CF*				21			

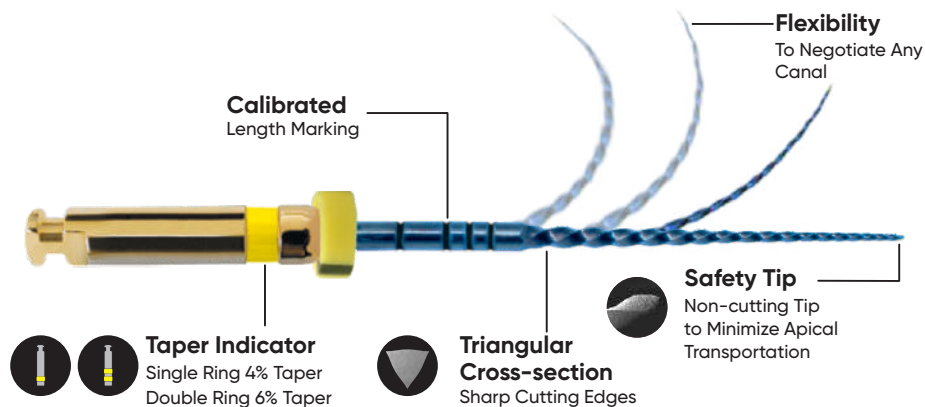
* CF : Coronal Flaring File

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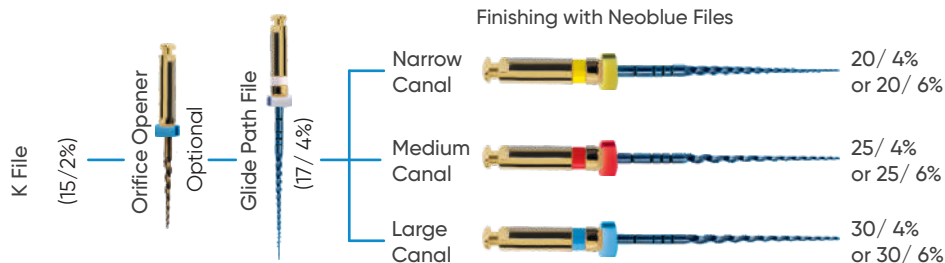
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NEOENDO NEOBLUE



Usage Protocol



Available Sizes

Color	Tip Size	Taper (%)		Length [mm]		Speed Torque	Pcs
○	17	4	-	21	25	Speed: 350 rpm Torque: 1.5 NCm	6 Pcs
●	20	4	6	21	25		
●	25	4	6	21	25		
●	30	4	6	21	25		
●	35	4	6	21	25		
●	40	4	6	21	25		
Coronal Flaring File: 30/8				19		Speed: 350 rpm Torque: 1.5 NCm	6 Pcs
Assorted Pack: 17/4 20/4 25/4 20/6 25/6 CF*				21	25		

*CF : Coronal Flaring File



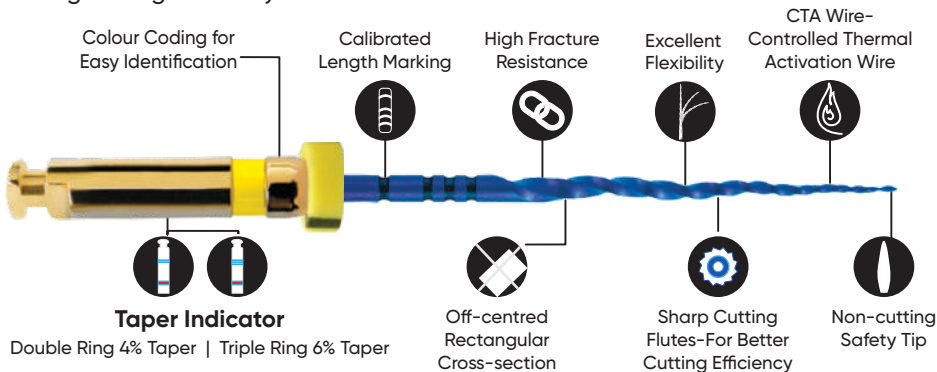
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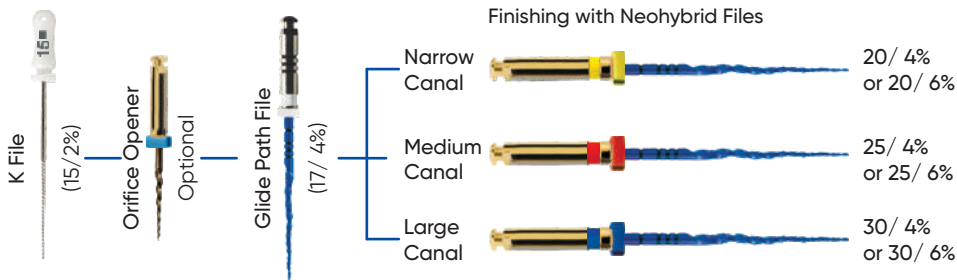
NEOENDO NEOHYBRID

Off-Centered Rectangular Cross-section

Neohybrid has an off-centered rectangular cross-section providing high flexibility and enhances loading & auguring of debris. Further, CTA wire improves flexibility while retaining cutting efficiency.



Usage Protocol



Available Sizes

File	Tip Size	Taper (%)		Length [mm]		Speed Torque	Pcs
	17	4	-	21	25	Speed: 350 rpm Torque: 1.5 NCm	6 Pcs
	20	4	6	21	25		
	25	4	6	21	25		
	30	4	6	21	25		
	35	4	6	21	25		
	40	4	6	21	25		
Assorted Pack: 17/4 20/4 25/4 20/6 25/6 CF*				21	25		



NEOENDO RETREATMENT FILE



Size 30 | Taper 9% | Length 16mm



Size 25 | Taper 8% | Length 18mm



Size 20 | Taper 7% | Length 22mm/ 25mm

- Rotary file sequence for effective removal of gutta percha, resin and other obturation material
- Three simple steps in crown down sequence for quick and easy retreatment procedure
- Unique file design (parallelogram cross-section with active cutting tip) increases cutting efficiency and flexibility makes it compatible with all types of canal
- Provides solutions for obturation removal, cleaning and shaping of canal during retreatment procedure

Usage Protocol

Step-1



N1 For Coronal One-third (16mm)

Step-2



N2 For Middle One-third (18mm)

Step-3



N3 For Apical One-third (22/25mm)

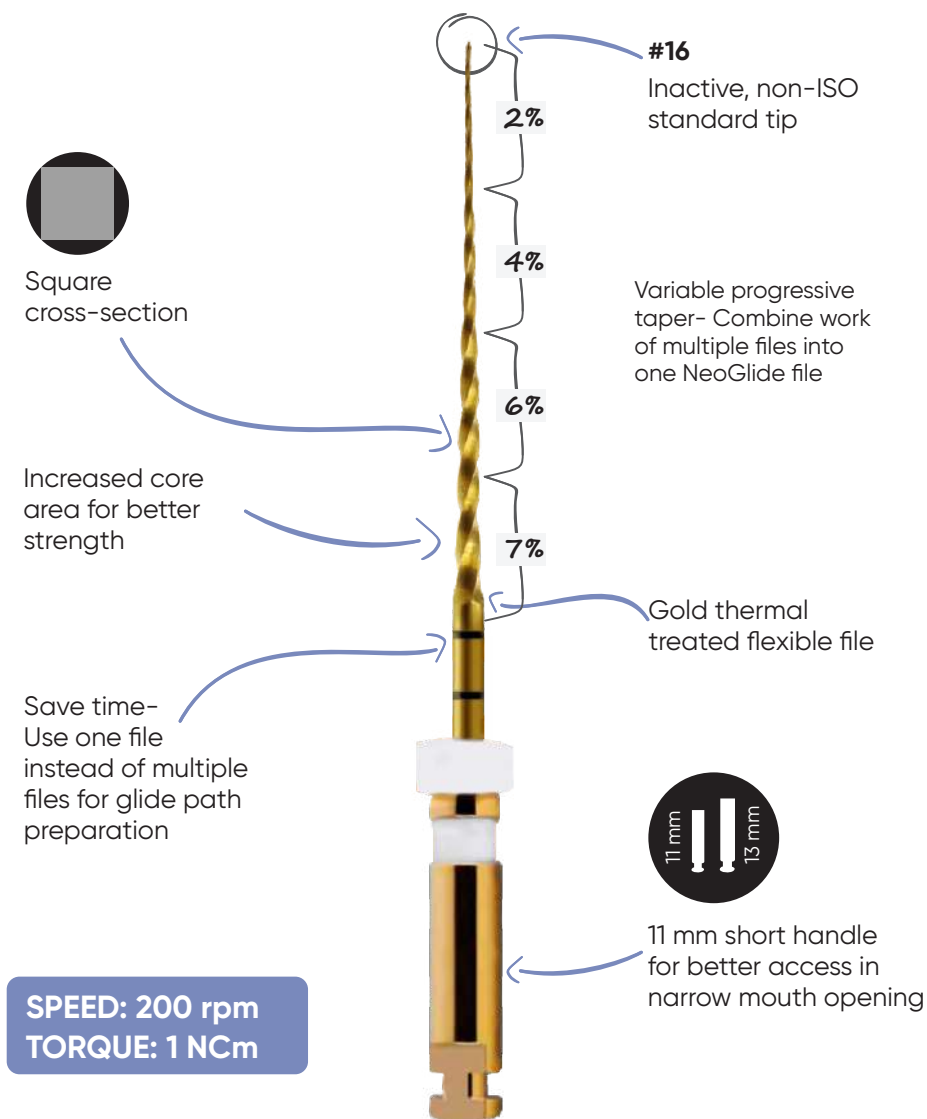
SPEED: 350 rpm | TORQUE: 1.5 Ncm



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NEOENDO NEOGLIDE



ONE FILE FOR ALL GLIDE PATHS

NEOENDO FLEX GLIDE

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#13, 2% Taper ; Length 21/25mm



#16, 2% Taper ; Length 21/25mm



#19, 2% Taper ; Length 21/25mm

Due to the enhanced flexibility, small taper size (2%) and non-ISO standard tip sizes, Neoendo Flex Glide files save time and effort and also reduce the risk of canal aberrations (ledges, zips and transportation)

SPEED: 200 rpm | TORQUE: 1 NCm

PEDOFLEX

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Size 20 | Taper 4% | Length 16mm



Size 25 | Taper 4% | Length 16mm



Size 30 | Taper 4% | Length 16mm

Available Sizes

- Size 20 | Taper 6%
- Size 25 | Taper 6%
- Size 30 | Taper 6%
- Size 35 | Taper 6%
- Size 40 | Taper 6%
- Size 45 | Taper 6%
- Size 35 | Taper 4%
- Size 40 | Taper 4%
- Size 45 | Taper 4%

Assorted Pack: 20/4% | 25/4% | 30/4%

Advantages

- Pedoflex pediatric rotary files with length 16 mm & taper 4%
- Simple file sequence for quick and easy treatment procedure
- Unique file design with excellent cutting efficiency & flexibility makes it compatible with all types of primary teeth canals

SPEED: 350 rpm | TORQUE: 1.5 NCm

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NEOENDO K-File

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Description

- **Material:** Stainless steel. ISO color coded hand end, made up of plastic with serration for better grip. Passivated to prevent rusting
- **Cross-section:** Square cross-section hand files
- **Tip:** Non-active tip to prevent ledge formation in curved canals
- **High Elasticity & Tensile Strength:** Less potential of file separation

Technical Features

- ISO Sizes: 6 to 40, Assorted Pack 15-40
- Length: 21, 25, 31 mm
- Taper of 2%
- Packaging: x 6 Pcs

NEOENDO H-File

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Description

- **Material:** Stainless steel, ISO color coded, hand-end made up of plastic with serration for better grip. Passivated to prevent rusting.
- **Cross-section:** Tear shaped cross-section with extremely sharp edges
- **Tip:** Non-active tip to prevent ledge formation in curved canals
- **High Elasticity & Tensile Strength:** Flexible with less potential of separation

Technical Features

- ISO Sizes: 10 to 40
- Length: 21, 25 mm
- Taper of 2%
- Packaging: x 6 Pcs



Description

- **Material:** Made up of high quality carbon stainless steel. Passivated to prevent rusting
- **Cross-section:** Square cross-section hand files provide more bulk to the core of the file
- **Tip:** Active cutting tip to engage the dentin in calcified canal
- **High Elasticity & Tensile Strength:** Stiffer file with less potential of separation

Technical Features

- ISO Sizes: 6, 8, 10, 12, 15
- Length: 21, 25 mm
- Taper of 2%
- Packaging: x 4 Pcs

NEOENDO Gutta Percha & Absorbent Paper Points

Constant Taper GP

Size	60 Points	120 Points
	Taper	Taper
10		2
15	4,6	2, 4, 6
20	4,6	2, 4, 6
25	4,6	2, 4, 6
30	4,6	2, 4, 6
35	4,6	2, 4, 6
40	4,6	2, 4, 6
15-40	4,6	2, 4, 6

- ISO Specifications
- Length Marked
- Colour Coded
- Hand Rolled
- Made of the Finest Materials



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Variable Taper GP



- Sizes: F1, F2, F3, Assorted
- Excellent Radiopacity
- Length Marked

Constant Taper PP

Size	120 Points	200 Points
	Taper	Taper
10		2
15	4,6	2
20	4,6	2
25	4,6	2
30	4,6	2
35	4,6	2
40	4,6	2
15-40	4,6	2

- Sterile
- Length Marked
- Colour Coded
- Consistency in Size & Shape
- Uniformly Rolled for Close Tolerance



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Variable Taper PP



- Sizes: F1, F2, F3, Assorted
- Sterile
- Length Marked

Helios 500

Intraoral Scanner

- Automatic & adaptive calibration, manual calibration is not necessary any more
- One of the most accurate and fastest scanner on the market
- Small & light enough to operate it easily, though it achieves a 16mm x 14mm high-definition field of view



Faster

Scan a full arch in less than 30 seconds with HELIOS 500



Accurate

As one of the most accurate scanners in the market, HELIOS 500 has reached the state-of-the-art accuracy level- the average deviation of a in-vivo full arch scan is around 20µm.



Lighter

Only 185gm, one of the most lightweight scanners in the market, well-balanced, ergonomically designed and easy to carry.



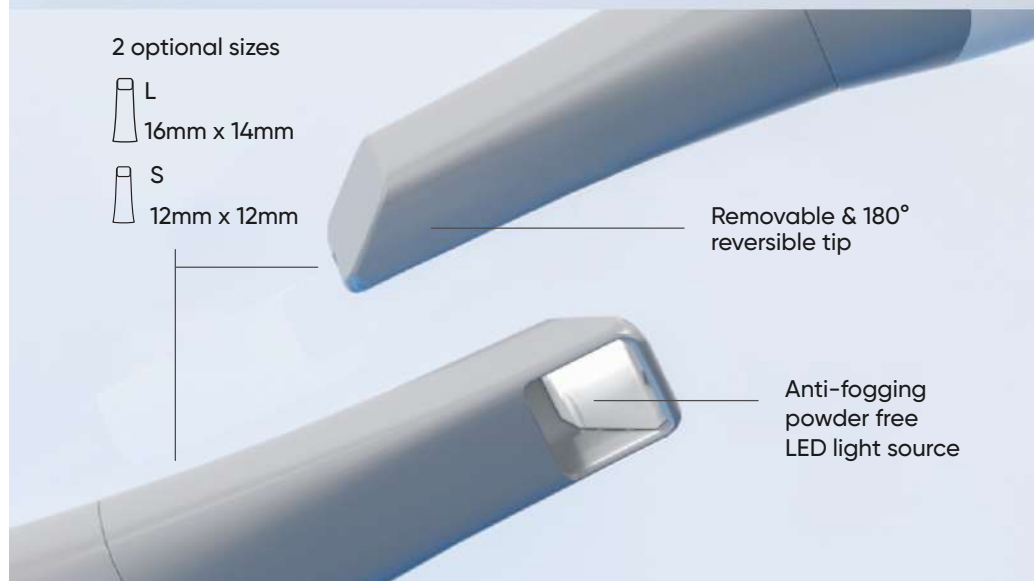
AI Driven

AI technology filters the soft and moving tissues, offering users a smooth scanning experience and generating a natural-looking treatment outcomes.



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Plug & Scan with Helios 500!



Smart Reminder



Air mouse



Automatic software update



Timely After-sales Service



Cloud Storage



Voice note



Online 3D Viewer

Helios 500 Specification

Accuracy	Full-arch	20.0μm
	Single-tooth	<10.0μm
	Scan Area	16 x 14mm (L)
		12 x 12mm (S)
Hand-piece	Dimensions	217 x 54 x 24mm
	Weight	185gm
Tip	Tip Size (Front part)	22 x 18mm (L)
		18.6 x 16.7mm (S)
Connectivity	Length	1.8m
	Type	USB 3.0
Calibration	Accuracy Calibration	Calibration-free
	Color Calibration	Calibration-free
Data	Output Format	STL/PLY

Recommended System Requirements

Processor - Intel®Core™ i7 12th Generation,
base frequency 2.4 GHz (or better)

Memory - 16GB (or more) DDR4,
frequency 2666 MHz (or better)

Hard Drive - 512GB (or more) SSD

Graphics Card - NVIDIA®GeForce®GTX 3050
(or better)

Display - 15.6" FHD (1920 x 1080) (or more)

Others - USB 3.0 port

Operating System - Windows 11

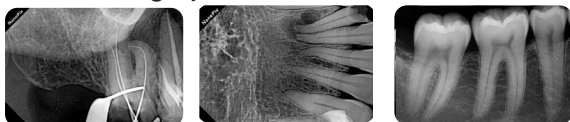
HyperLight

Dental X-ray Unit

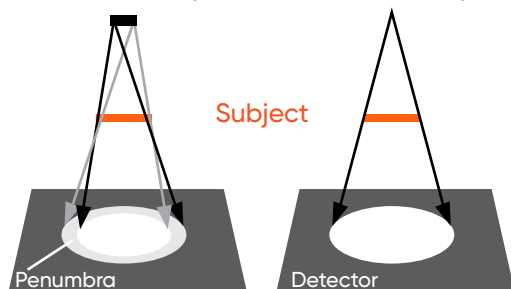


Engineered for Accurate Images

- Clinical imagery



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



HyperLight

Effect of focal spot size



Designed with Safety in Mind



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

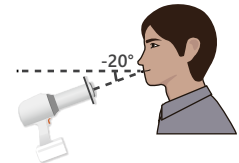
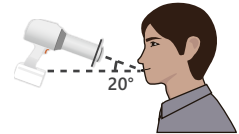


Locking system to prevent unintentional exposure

>400 Shots in Single Charge

Simplify your Digital Workflow

- Compact size and lightweight, lets you operate it with one hand only
- Intuitive user interface & smart angulation system automatically detects the angle at which the HyperLight device is held



Specifications

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

Maximize Your Diagnostic Potential

HYPERLIGHT
 **NANOPIX**



NanoPix

Intraoral Sensor

Unique Design

- **Ergonomic Design**

Cupped cable connection ensures comfortable finger positioning



- **Robust Cable Connection**

- **Ultra-thin Body Design**

4.5mm - The thinnest X-Ray sensor



Leading Technologies for the 1st Time in Dentistry

AED Technology

From Chest Radiography

- Compatible with almost all DC & AC X-Ray generators
- Digital images are captured automatically when the sensor detects X-Ray



APS CMOS Technology

From Aerospace Industry

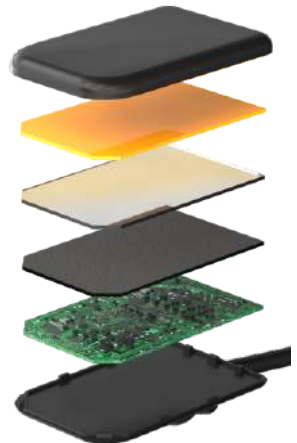
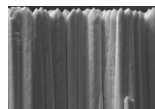
- High signal-to-noise ratio with maximum details
- Long life and low power consumption



Direct Deposition CSI Technology

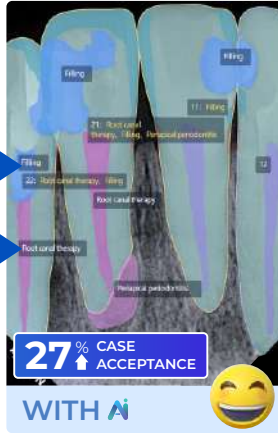
From Chest Radiography

- Low dose radiation for safety
- Less exposure time but higher resolution



Do you want to increase clinic revenue by upto **35%?**

NanoPix with NanoAi



1/10 Cost per patient compared to film

3s to complete entire imaging process

50000+ Exposures with no quality loss

Smart Software

- Easy to install
- User-friendly interface
- Faster image acquisition & better quality images
- Optional image preference

Specification (available in 2 sizes)

	NanoPix 1	NanoPix 2
Detector Technology	APS CMOS	APS CMOS
Scintillator	CsI	CsI
Pixel Matrix	1000*1500	1300*1800
Theoretical Resolution	25 lp/mm	25 lp/mm
True Resolution	20 lp/mm	20 lp/mm
Active Area (mm)	20*30	26*36
Mechanical Size (mm)	25.4*36.8*4.5	30.4*41.9*4.5
AD Conversion (bit)	16	16
Data Interface	USB 2.0	USB 2.0
Protection	IP68	IP68



IP68

Ingress Protection

Against Solids

Against Liquid

E-connect

Cordless Endomotor



Torque Calibration



Low Noise Motor



Digital OLED Display



Powerful 1500 mAh
Lithium-ion Battery



Integration Option



Ambidextrous Display*



Screen Cast/
Mirroring**

*User can rotate the endomotor
screen towards left or right
**In connect function endomotor
mirrors apex locator's screen



Five Reciprocation Modes (MO)

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)



Maximum speed 1000 rpm



360° clockwise
rotational movement



Editable torque
setting



Torque auto reverse



Forward direction of
rotation



Editable speed / RPM setting



Reverse direction of
rotation

One-piece Contra-angle Head



360° adjustable
hand-piece



Miniature
head



Detachable
head



Autoclavable



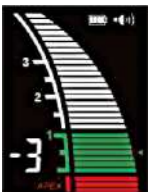
E-pex

Apex Locator

- Advanced multi-frequency technology
- High precision in wet & dry canals
- Compact size & stable design
- Automatic calibration
- Large 3.5" LCD display



Screen Display and Its Meaning

	Interface	Interface	Interface	Interface
Display				
Value	12	09	00	-3
Meaning	The corresponding scale value is 2, indicating the distance from the apex is about 2mm	It indicates that the distance from the apex is about 1.5mm	It indicates that the endo file has reached the apex	It indicates that the root canal file has exceeded the apex
Alarm	Beep alarm sound for a long time interval	Beep alarm sound interval becomes short	Uninterrupted long beep	Very rapid beep alarm sound

Integrate Endomotor with Apex Locator (Connect Function)



Screen Cast/
Mirroring**



Auto Start
& Stop



Apical
Slow Down



Apical
Reverse



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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 1900 mAh
Lithium-Ion battery

Apex Locator

- Apical control with rotary instruments
- Manual canal measurement
- 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 system 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



Integrated Mode Features



Auto Start
& Stop



Apical
Slow Down



Apical
Reverse

Specifications

Speed	: 50-1500 rpm
Torque range	: 0.5 Ncm-5.0 Ncm
Memory Programs	: 11 (M0 to M10)
Battery Capacity	: 1900 mAh



E-xtreme

Taking it to the E-xtreme
Smaller | Lighter | Quieter than ever



360° contra-angle rotation



Slim & compact design for maximum comfort & mobility



Miniature contra-angle for better visibility and easier posterior access



E-xtreme- Miniature contra-angle
Super mini head & thin neck



Regular
Head & neck



Battery
800 mAh



360° clockwise/ anti-clockwise rotational movement



Editable speed / RPM setting



Torque Auto-Reverse



Built-in file system



Editable torque setting



Nine Editable Memory Programs

- Less than 100 grams
- Reducing hand fatigue during treatment
- Providing the ultimate E-xtreme experience

- Eighteenth's innovative new motor
- Cutting down the noise from inside
- Allowing you to experience the tranquility

Specifications

Weight : 99 gram
Torque range : 0.5 Ncm-4.0 Ncm
Power supply : 100 V-240 V
Frequency : 50 Hz / 60 Hz
Output : DC 5 V/ 1 A



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AirPex

Wireless Apex Locator



Feel the Charm of Wireless Charging

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

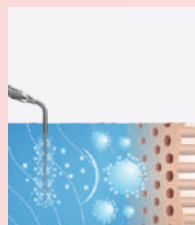
True Wireless Apex Locator

Get rid of the wire to the fullest
Accuracy through wirelessness



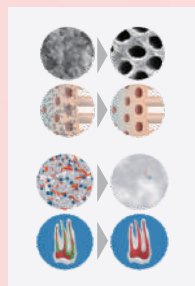
Ultra χ

Cordless Ultrasonic Activator



In Action

- **Cavitation Effect:** It is the process of formation of millions of gas bubbles in the irrigation solution. These bubbles grow in size, oscillate in different directions & 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 of liquid inside the root canal.



Indications

- **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.
- **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.



χ GOLD
SUPER POWERFUL
TITANIUM TIP



χ BLUE
FLEXIBLE



χ GRAY
SOFT & FLEXIBLE

Tip size -20/25
Taper 2%
Length 18mm/21mm



Key Features



Ultrasonic
Activation Device



Autoclavable
Tips



Smooth Surface
Finish



Flexible Tips (Only
Blue & Silver Tips)



1500 mAh
Powerful Battery



4.5 Hrs of
Continuous Operation



Cordless
Irrigation Device



Light Weight
& Ergonomic



45 kHz
High Frequency



Two Power Modes
with LED Indicator



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Fast Pack Pro

Down Pack Device



Fine (Black)
40/0.025



Fine Medium (Yellow)
50/0.05



Medium (Blue)
60/0.06



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, avoiding 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 ensures GP does not come along the heating tip



Experience Ergonomics

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



Powerful Battery

- Highly efficient 2600 mAh Li-ion battery 15 minute turbo charge to 30% battery
- Direct Plug & Play- In case of low battery, use the device directly with adaptor

Specifications

Heating Time : 0.2 seconds for 200° C
0.5 seconds for 250° C

Cooling Time : 2 seconds for cooling

Charging Time : 2 hours to complete charge

Operating Time : 4 hours of continuous
operation at 300°C



Fast Fill

Motorized Back-fill



23 Gauge
Large



25 Gauge
Small



Highly Flexible



Highly Durable



Fast Fill Tips



- Highly flexible, sturdy and autoclavable tips for multiple usage
- Maintains 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° C - 200° C
- GP flow rate- Low, Medium, High
- Reserve GP level indicator

Intuitive Design



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

Powerful Battery



- Highly efficient 2600mAh Li-ion battery
- Direct Plug & Play- In case of low battery, use the device directly with adaptor

Specifications

Heating Time : 20 seconds to 200° C
Charging Time : 4 hours to complete charge

Hexagonal Wrench : Use the wrench to bend the tip, rotate the tip and clean the device



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Curing Pen

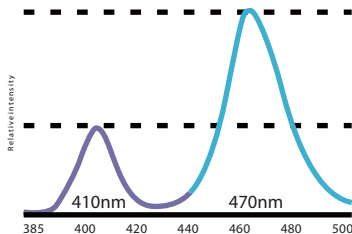
4 LEDs Curing Light

Technical Parameters

- Dimension : 24*21*230(mm)
- Net Weight : 109g
- Lens Size : 11mm
- Power Supply : >1200 times,
3 Sec Maximum light intensity
- Light Intensity : 1000 mw/cm², 1500 mw/cm²,
2300 mw/cm², 600 mw/cm²(detect mode)
- Smart Controller : Keeps light output consistent
Chip



Wide Wavelength Range



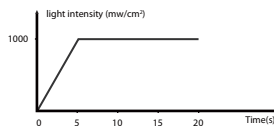
Wavelength : 385-515 nm
3 Blue, 1 Violet, 10w LED

360° Rotatable Head

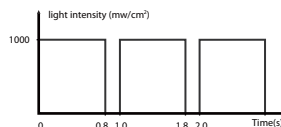


Multiple Curing Options

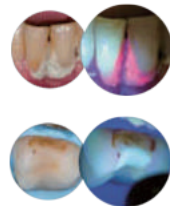
Ramp mode



Pulse mode



Caries Detection



Digital Intensity Display



Curing Pen-E

3 LEDs Curing Light

1 Violet, 2 Blue

Technical Parameters

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



Features



360° Rotatable Head



Broad Spectral Range
380nm - 515nm



Small Light Tip



Ultra Power



Special Lens Design

Working Modes

• **P1**

Normal Mode

Light Intensity: 1200mw/cm²

Time Setting: 5-40 Sec

• **P2**

High Mode

Light Intensity: 2000mw/cm²

Time Setting: 1s, 3s, 5s, 10s

• **P3**

Ultra Mode

Light Intensity: 3000mw/cm²

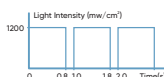
Time Setting: 1s, 3s, 5s

• **P4**

Pulse Mode

Light Intensity: 1200mw/cm²

Time Setting: 5s, 10s, 15s, 20s

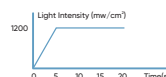


• **P5**

Ramp Mode

Light Intensity: 1200mw/cm²

Time Setting: 5s, 10s, 15s, 20s



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Brilliance Loupes

Flip-up Loupes

Super Light Frame

Ergonomic design with optional materials and colors

Intelligent Damping Torque Effect

Easy to adjust and with excellent stability

Asynchronous PD Adjustment

Laser printed scale lines, accurate and intuitive

Aerospace-grade Aluminium Magnesium Alloy

Exceptionally high strength and light

Schott Glass (Made in Germany)

Ensure high resolution, clear & sharp field of view

Protective Shield

Besides protective shields, prescription lenses can also be fitted by an optometrist

Refined Lens Coatings

Multi-layer coating technology, anti-fog, anti-scratch, anti-glare to ensure maximum visible light passes through the glass

Specifications

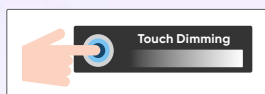
- Magnifications : 3x
- Working Distance : 350mm, 400mm, 450mm, 500mm
- Field of View : 68mm, 76mm, 84mm, 92mm
- Depth of Field : $\geq 90\text{mm}$, $\geq 100\text{mm}$, $\geq 115\text{mm}$, $\geq 135\text{mm}$
- Net Weight : 71g



Softouch

Surgical Headlight

- **Super Light**
- **Top Class Light Source**
- **Touch Control Design and Stepless Dimming**
Short touch to turn on/ off the light, long press to adjust steplessly the brightness



Touch for 0.3 sec **Turn on/ off**
Long Touch **Dimming**

- **Ultra-long Battery Life**
- **Safe to Use**
High-level short-circuit & open-circuit protection
- **Edge to Edge Clarity & Flicker Free**
High-level short-circuit & open-circuit protection



Softouch



Manufacturer A



Manufacturer B



Specifications

- | | | | |
|------------------|------------------------------|--------------------|------------------------------------|
| • Lamp Diameter | : 18.5 mm | • Brightness | : 35000lux |
| • Lamp Length | : 36.5mm | • Color Temp. | : 5000k |
| • Lamp Weight | | • Power | : 1w |
| - Without Filter | : 8g | • Battery Type | : Li-ion |
| - With Filter | : 9.8g | • Battery Capacity | : 3350 mAh, 3.7 v |
| • CRI | : 90 | • Charging Time | : 4hrs |
| • Adapter | | • Battery Life | : ≥11hrs (with maximum brightness) |
| - Input | : 100-240v
50/60hz, 0.2 A | | |
| - Output | : 5 V, 1 A | | |



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Brilliance 48° Pro

Surgical Binocular Loupes



Unique Optical Structure:
Free Shoulder & Neck



Revolutionary Nose Pad Design: Pro-Level Wearing Experience



New-Updated Imaging:
No Complex Adjustments



Ergonomic design for
comfortable experience



Flexible focus & pupil
distance adjustment to
prevent eye strain



Newly upgraded frame for
easy lens customization



Specifications

- Magnifications : 5x
- Working Distance : 350~400mm, 400~450mm, 450~500mm, 500~550mm
- Field of View : 49~57mm, 57~65mm, 65~73mm, 73~81mm
- Pupil Distance : 52~76mm
- Net Weight : 94.3g (With Frame)



Wireless Z

Wireless Headlight



Wireless

Cable-free stable lithium batteries ensure a smooth work experience



Battery Status Indicator

Built-in battery status indicator flashes when the battery is low



Brightness Memory

Automatically adjust to brightness when last powered off to reduce adjustment time and improve work efficiency



Touch Control Design

Remove option limitations for smoother adjustment of brightness to meet the light need of different surgical environments



Super Light

Weighs just 29.5g (battery, headlight, filter included) and sit on the frame's upper edge for reducing nose bridge pressure



Specifications

- | | | | |
|------------------|------------------------------|--------------------|------------------------------------|
| • Lamp Diameter | : 18 mm | • Brightness | : 35000lux |
| • Lamp Length | : 44mm | • Color Temp. | : 3000k - 7300k |
| • Lamp Weight | | • Power | : 1w |
| - Without Filter | : 11g | • Battery Type | : Li-ion |
| - With Filter | : 12g | • Battery Capacity | : 600 mAh, 3.7 v |
| • CRI | : 90 | • Charging Time | : 4hrs |
| • Adapter | | • Battery Life | : 2.5hrs (with maximum brightness) |
| - Input | : 100-240v
50/60hz, 0.2 A | | |
| - Output | : 5 V, 1 A | | |



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iLASER I

Smart Triple Wavelength Diode Laser

- Blue Wavelength 450nm**
Tooth Whitening
 Hemostatis is a pretty high photon energy for activating the molecules of whitening gel
 Efficiency of all dental diode lasers
- Infrared Wavelength 980nm**
Soft Tissue Surgical Procedure, Endo & Perio
 Efficiency & Coagulation (Hemostasis) at very low power settings
 High efficiency of anti-bacterial and anti-inflammatory
 High Power Laser Treatment (HPLT)
 Pain Reduction in TMJ
- Red Wavelength 650nm**
Photobiomodulation
 Perfect for Photobiomodulation (PBM)
 Low Level Laser Therapy (LLLT)
 Faster wound healing
 Pain-free dental treatments



Specifications

Wavelength	450nm/650nm/980nm
Wavelength & Max. Power	450nm: 3W CW; 5W Pulse 650nm: 400mW CW 980nm: 8W CW/Pulse
Emission Mode	CW/ Pulse
Medium	InGaSP Diode
Optic Fiber Diameter	200/400um
Pulse Width Range	10us - 900ms
Super High Frequency	50KHz
Display	7" OLED Touch-Screen
Dimension	190mm*155mm*260mm
Weight	1.5Kg
Aiming Laser Wavelength	650nm
Battery	Built-in Rechargeable Li-ion
Battery Capacity	7200mAh



iLASER II

Dental Diode Laser



Combining power and portability into a tiny design



Easy to operate, every one can learn to use it



More accurate and more comfortable



Many functions are at your fingertips



Specifications

Wavelength	980nm
Power	0.1-5W
Emission Mode	Continuous Mode & Pulse Mode
Laser Type	Type IV, InGaAs Diode Laser
Optic Fiber Diameter	200/400 um
User Interface	OLED Display Screen
Aiming Laser Wavelength	650nm
Dimension	190mm *17mm
Weight	106g
Battery Capacity	2700mAh
Work Power Supply	Built-in Rechargeable Li-ion Battery

Non-initiated	Models		Length	Intended
	F4-4	400um	4	Surgery
	F4-7	400um	7	Periodontal
	F4-9	400um	9	Periodontal
	F2-14	200um	14	Root Canal
	F2-20	200um	20	Root Canal

Pre-initiated	Models		Length	Intended
	PF4-4	400um	4	Surgery
	PF4-7	400um	7	Periodontal
	PF4-9	400um	9	Periodontal

Disposable Tips Available in two different sizes: 200/400 microns



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POINT UV IMPLANT

THE WORLD'S FIRST CAPSULE TYPE UV ACTIVE TECHNOLOGY

Minimum Crestal Bone Loss

Minimizes crestal bone loss by reducing the stress of crestal bone with the open thread on the top bevel area.

Minimum Risk of Fracture

Prevent fractures of fixture by increasing the thickness of platform diameter and the strength of the connection part.



SLA Surface

Shorten the bone healing period by increasing the contact area between the bone and surface roughness, & the initial cellular response.

Thread Pitch & Wing Thread

Minimizes the pressure on the bone and stabilizes initial fixation, increases contact area through optimized screw design.



Wide Cutting Edge

Easy to control the final angulation and the depth of the fixture with excellent self-tapping efficiency, which maximizes initial fixation and minimizes pressure on the bone.

Root Form Design

Increases convenience during implantation by excellent initial fixation, and reduces risk of damage to anatomical structures like blood vessels, maxillary sinus and mandibular nerve blockage.

POINT UV IMPLANT

UV Activator irradiates ultraviolet rays on the implant surface to remove organic matter adhesion & converts the surface charge into a super- hydrophilic surface. As a result, the initial bone fusion rate for UV Implants is 4 times that of general implants, and hence Bone-Implant contact (BIC) dramatically increase from 50% to around 98%.

1 Anti-aging of Implants

It shows the antiaging effect of the implant by removing the hydrocarbon film that occurs immediately after implant production.

3 Osseointegration Speed

The Osseointegration is dramatically increased at the rate of 98% due to the ultra-violet activation of Point UV implants.

2 High Blood Wetting

Blood clots are formed on the entire surface of the implant, indicating rapid bone fusion & contact osteogenesis.

4 Higher Surgical Success Rate

Rapid bone formation and a high BIC of 98% contribute to the formation of stable bones, leading to high success rates as well as long-term stability.



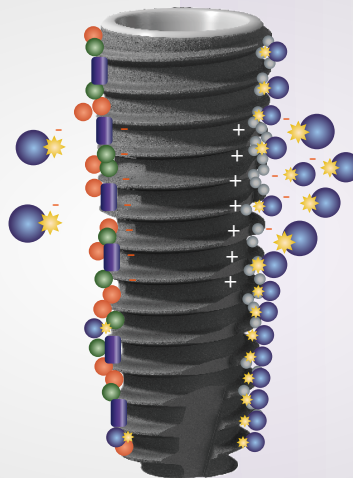
UV Active Blood Activation

UV active blood activation caused by UV irradiation promotes bone formation. Bone cells, & proteins adhere well to the implant surface.



Point UV Activator

Our eco-friendly UV Activator irradiates ultraviolet rays on the implant surface, it is convenient to use & does not generate harmful substances such as ozone.



UV
LIGHT

- Osteogenic cells
- ★ Albumin
- Divalent cations (Mg⁺⁺, Ca⁺⁺)
- Monovalent cations (K⁺, Na⁺)
- Hydrocarbon

TOTAL C-RAM

Self-etching & Self-adhesive Resin Cement- Special Ceramic



Advantages

- Saves time due to its self-etching and self-adhesive properties
- Integration of silane in the resin allows for better adhesion to ceramics
- Dual curing (self and light curing)
- Ease of use and placement with the Automix syringe
- Excess material easily removed
- No postoperative sensitivity
- Particularly recommended for bonding veneers: thin film just 10 µm thick
- Choice of 3 shades to meet the requirements of all clinical cases:
 - Opaque dentin: Similar shade to dentin with advantage of opaqueness for optimal cover
 - Translucent: Very high translucency for bonding with no effects on the shade of the restoration.

Packging

- 1 syringe 8 gm + 10 mixing tips + 10 intraoral tips + 10 extra-fine intraoral tips



NEOPURE FAST SET

A-Silicone Impression Material



Putty Base & Catalyst with Light Body

- **High Hydrophilicity**
Great impression details are a direct result of high hydrophilicity of A-Silicone. It flows easily and adapts well to different dental morphologies even under challenging moist conditions
- **High Tear Strength**
For a superior subgingival penetration and capturing micro details makes it important that it has high tear strength
- **Great Dimensional Stability**
Because of great dimensional stability, Neopure impressions can be stored for up to 30 days. Also, cold sterilization doesn't diminish its dimensional stability
- **Tolerance to Errors**
An error of the mixing ratio within 20% doesn't affect Neopure Putty's characteristics
- **Ideal Working Time**
Neopure allows sufficient time for mixing & placing the impression material in the patient's mouth. Also, it has thermally responsive properties that helps it to set faster once placed in patient's mouth
- **High Performance Material**
Neopure will help you capture the finest details of hard and soft oral tissues. Also, it doesn't interfere with stone setting process unlike other materials or alginate. It's thixotropic (viscosity) properties make it a no-drip formulation- which isn't just great for material handling, but also crucial factor in patient comfort
- **Adapts to Multiple Impression Techniques**
Use the Neopure Putty and Light Body for Single-step or Double-step techniques as per nature of work



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NEOPURE FAST SET

A-Silicone Impression Material

- Neopure is a range of addition-cured (A-Silicone) vinyl polysiloxane impression materials. Look forward to high precision work owing to Neopure's high hydrophilicity, great linear dimensional stability and excellent tear resistance.
- High viscosity hydrophilic A-Silicone vinyl polysiloxane material specially made for Bite Registration. It is a high precision silicone, non-slumping & thixotropic in nature which is easy to work with and trim.

Technical Data

Parameter	Putty	Light Body
Delivery System	Manual Hand Mixing	1:1 Dispenser
Mixing Time	30 sec	NA
Total Working Time	1 min 30 sec	2 min 15 sec
Setting Time	2 min 30 sec	3 min
Shore A Hardness	62	45
Shelf Life	2 yrs	2 yrs
Color	Base- Orange Catalyst- White	Base- Green Catalyst- White

Packaging

- **Putty**- 1x 400gm Base, 1x 400gm Catalyst
- **Light Body**- 2x 78gm Light Body Cartridges, 4 Mixing Tips, 4 Intra-oral Tips
- **Kit**- 1x 400gm Base, 1x 400gm Catalyst, 2x 78gm Light Body Cartridges, 4 Mixing Tips, 4 Intra-oral Tips



NEOPURE

C-Silicone Impression Material



Putty Base with Light Body & Catalyst Gel

Neopure C-Silicone is a range of Rubber Based condensation Impression Material. High viscosity condensation polysiloxane (base) recommended for the two-phase technique (double step impression) in combination with Neopure C-Silicone Light Body

Features

- Good flowability and rigidity
- Good visibility- the color contrast of the putty & light body ensures better impression interpretation
- High impression accuracy and precision
- High tear strength- minimizes the risk of the impression tearing while removing from the patient's mouth
- Balance between the working and setting time
- Biocompatible- allows to use safely on patients with damaged mucosa
- High dimensional stability even after disinfection
- Good final hardness- ensures accurate model
- Pleasant taste- mint flavor & odor



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NEOPURE

C-Silicone Impression Material

Indications

- Fixed and removable prostheses
- Crowns, bridges, onlays, and inlays
- Complete dentures

Technical Data

Parameter	Putty	Light Body
ISO 4823	Type 0 Putty Consistency	Type 3 Light Body Consistency
Mixing Time	30 sec	30 sec
Working Time	1 min 30 sec	1 min 30 sec
Time in Mouth	3 min	3 min 30 sec
Setting Time	4 min 30 sec	5 min
Shore Hardness After 8Hrs	65	-
Shore Hardness After 24Hrs	75	35
Shrinkage	< 0.2%	< 0.7%
Elastic Recovery	< 98%	< 99%
Detail Reproduction	20 µm	20 µm
Color	Green	Yellow

Packaging

- Putty- 1500gm
- Catalyst- 70gm
- Light Body Tube- 140gm

NEOALGIN

Alginate Impression Material



Colour Change Pattern: Non-Chromatic

(Sky Blue, No colour change)

Powder:Water Ratios: 18gm:36ml

(Warm water and hard water accelerates the setting time, Cold water retards the setting time)

Impression Count: 25 Impressions

(Based on 18gm needed for one Impression of tray 2/3 or medium tray size)

Features

- Sky blue colour
- Spearmint flavor for high acceptance
- Mixing time: 60 Sec
- Time in mouth: 30 Sec
- Total working time: 60 Sec



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NEOALGIN CHROMATIC

Alginate Impression Material



Colour Change Pattern: Chromatic

(Green before mixing, Purple during mixing, Green during setting)

Powder:Water Ratios: 18gm:36ml

(Warm water and hard water accelerates the setting time, Cold water retards the setting time)

Impression Count: 25 Impressions

(Based on 18gm needed for one Impression of tray 2/3 or medium tray size)

Features

- Green colour
- Spearmint flavor for high acceptance
- Mixing time: 60 Sec
- Time in mouth: 30 Sec
- Total working time: 60 Sec

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NEOCEM

Glass Ionomer Cement- Luting & Lining



Luting & Lining glass ionomer cement. Powder contains mixture of Silica and fluorides of aluminum, calcium & sodium. Liquid contains polyacrylic acid and copolymer in water.

Indications

- Used for cementation of metal or porcelain fused to metal crowns, bridges, inlays
- Cementation of stainless steel crowns
- For cementation of orthodontic appliances retained with stainless steel crowns
- Cementation of orthodontic bands
- As Base or liner under restoration

Features

- Less technique sensitive
- Long shelf life
- Robust bottle
- Fluoride releasing
- Free-flowing liquid provides smooth paste and good consistency
- Odor-free
- Good color match
- Good biocompatibility and non-irritant to the tissues
- High mechanical strength
- Good wettability provides good marginal seal
- Low solubility makes it insoluble in the oral cavity
- Chemical adhesion to both tooth structure (enamel & dentin) and metal
- Radiopaque makes post-operative diagnosis easy
- Cost-effective
- 8 microns thin film thickness for easy seating of crown

Technical Specifications

- Mixing Time: 30sec
- Working time: 2min
- Setting time: 2min 30sec

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NEOCEM

Universal Restorative Glass Ionomer Cement- High Strength



Compressive
Strength
230 MPa

Shade A2

Powder 15g & Liquid 10g

Universal restorative glass ionomer cement. Powder contains mixture of Silica and fluorides of aluminum, calcium & sodium. Liquid contains polyacrylic acid and copolymer in water

Indications

- Restoration of deciduous teeth.
- Core build-up
- For atraumatic restorative treatment
- Restorations of Class III, V, and limited Class I cavities.
- Used in lamination/sandwich technique

Features

- Less technique sensitive
- Long shelf life
- Robust bottle
- Fluoride releasing
- Free-flowing liquid provides smooth paste and good consistency
- Odor-free
- Good color match
- Good biocompatibility and non-irritant to the tissues
- High mechanical strength
- Good wettability provides good marginal seal
- Low solubility makes it insoluble in the oral cavity
- High flexural strength reduces the risk of restoration fracture
- Chemical adhesion to both tooth structure (enamel & dentin) and metal
- Radiopaque
- Cost-effective
- Film thickness

Technical Specifications

- Mixing Time: 30sec
- Working time: 1min 30sec
- Setting time: 2min 30sec



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NEOEDTA Gel

17% EDTA Gel with 10% Carbamide Peroxide

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Lubricate

- Prevents risk of instrument fracture
- Helps in smooth working of endodontic files

Chelate

- Easy preparation of calcified canals
- Helps to remove inorganic substance by chelation

Clean

- Carbamide peroxide creates effervescence effect with water and sodium hypochlorite
- Helps in easy removal of vital and necrotic pulp tissue remnant, debris & dentinal flakes



NEOEDTA Liquid

17% EDTA Solution | For Smear Layer Removal

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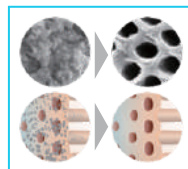


Indications

- Surface preparation of canal
- Debridement of canal
- Smear layer removal
- Unclogging of dentinal tubules

Advantages

- Removes inorganic substances like dentinal chips & facilitates their easy removal by chelation of calcium ions
- Effective in removal of smear layer and unplugging of dentinal tubules-enhances adhesion of filling material like sealer



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NEOCAL

*Calcium Hydroxide Paste with Barium Sulphate
Radiopaque, Multipurpose Root Canal Filling Material*

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Indications

- Temporary root canal filling material
- Vital pulpotomy in deciduous teeth

Advantages

- Premixed Formulation: Saves time and has easy application
- Paste Type Consistency: Provides superior control during application
- Water Soluble Paste: Helps in easy cleaning and removal from canal
- Temporary filling: Temporary canal filling material
- High pH: High pH of >12.5
- High Radiopacity: Helps in radiological examination



NEOPEX

Calcium Hydroxide Paste with Iodoform

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Indications

- Root canal filling material
- Apexification
- Apexogenesis

Advantages

- Non-hardening oil based paste
- Specially designed dispensing tips
- Easy handling and straight forward application
- Radiopaque formulation with barium sulphate
- Best rheology gives smooth and complete filling



NEOETCH Gel

37% Phosphoric Acid | For Enamel & Dentin

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Indications

- Composite restorations
- Adhesive cementation of inlays, crowns, bridges, veneers, posts & cores, splints, pit and fissure sealing
- Bonding of orthodontic attachments (e.g. brackets)

Advantages

- High etching rate
- Removes contaminants
- Aids wettability
- Achieves high bond strength



NEOSOL

Gutta Percha Solvent

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Indications

- Softening of gutta percha based obturating materials during the root canal retreatment procedures

Advantages

- 100% natural
- Non-toxic
- Biocompatible
- Only 2 drops needed

NEOTEMP

Temporary Restorative Material

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Indications

- Temporary filling material of cavities before permanent restoration



Advantages

- Self curing in cavity
- Excellent adhesion with dentin
- High marginal seal
- Leak proof formulation
- Long lasting
- Easy application and removal

NEOSPRAY

All Purpose Handpiece Lubrication Spray

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500 ml

Neospray is a high-performance, non-toxic, odorless, colorless and tasteless lubricant solution for cleaning and lubricating the dental instruments with care.

Advantages

- Effective lubrication and reduced debris collection
- Protects from corrosion, reduces friction & wear-rate increasing the lifespan of the instruments

Applications

- For high-speed, low-speed dental hand-piece equipments like air turbine, air motor, heads, prophyl angle/ contra angle etc

J1 & J1 PLUS *Patented Bur-Lock Technology Handpiece*



Triple Water Spray
(Separated Water & Air)



Push-button Type



The Global Unique
Patent Technology



Super Torque Cutting

Specification	J1 Plus	J1
Working Pressure	0.28MPa - 0.30MPa	0.28MPa - 0.30MPa
Rotating Speed	350,000rpm - 370,000rpm	350,000rpm - 370,000rpm
Noise	≤ 60dB	≤ 60dB
Atomized Water Pressure	0.3 - 0.35MPa	0.3 - 0.35MPa
Working Water Pressure	0.2 - 0.23MPa	0.2 - 0.23MPa
Water Flow	90ml/min - 110ml/min	90ml/min - 110ml/min
Radial Vibration	Vibration Value for Standard Testing Bar ≤0.03mm	Vibration Value for Standard Testing Bar ≤0.03mm
Surface	Titanium Plating	Chrome Plating
Water Spray	Triple Spray	Single Spot Spray
Chucking Type	Push-button Type	Push-button Type
Cartidge	Exposed Cartridge	Exposed Cartridge
Bearing	Imported Ceramic Bearing	Imported Ceramic Bearing
Autoclave	Can Be Sterilized at Max 135°C	Can Be Sterilized at Max 135°C
Connection	2 Holes (Borden)/ 4 Holes (Midwest) Coupling	2 Holes (Borden)/ 4 Holes (Midwest) Coupling



J45 45° Degree Surgical Handpiece



100% Rear-exhaustion



With LED



Limited Vibration



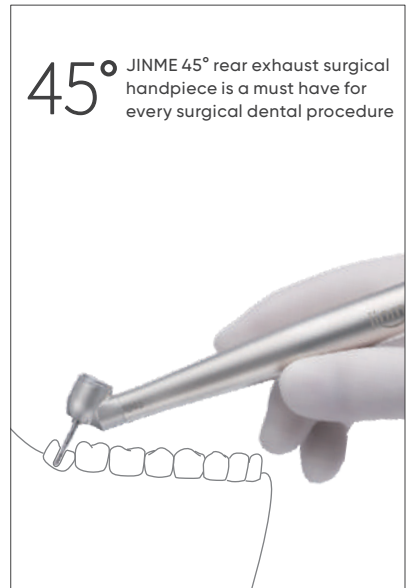
With Special Tungsten Steel Bur



J45 TUP

45° surgical handpiece is characterized by stable rotation, with no high air pressure underneath the handpiece head & good performance in cooling effect. It can be used in any dental surgical procedure, especially applicable to alveolar bone removal, cutting and separating of impacted teeth in the posterior area.

Specification	J45
Working Pressure	0.25MPa - 0.3MPa
Rotating Speed	360000rpm - 420000rpm
Noise	≤ 60dB
Atomized Water Pressure	0.3 - 0.35MPa
Working Water Pressure	0.2 - 0.23MPa
Water Flow	90ml/min - 110ml/min
Radial Vibration	Vibration Value for Standard Testing Bar ≤0.03mm
Surface	Titanium Plating
Water Spray	Single Spot
Chucking Type	Push-button Type
Cartidge	Exposed Cartridge
Bearing	German Ceramic Bearing
Autoclave	Can Be Sterilized at Max 135°C
Connection	Optional LED



J5 LED Handpiece 2.0



German Bearing



Zero-retraction System,
Zero Pollution



Triple Water Spray
(Separated Water & Air)



New Lamp Beads Can Work
at Higher Temperatures



Specification	J5
Working Pressure	0.28MPa - 0.30MPa
Rotating Speed	300000rpm - 330000rpm
Noise	≤ 60dB
Atomized Water Pressure	0.3 - 0.35MPa
Working Water Pressure	0.2 - 0.23MPa
Water Flow	90ml/min - 110ml/min
Radial Vibration	Vibration Value for Standard Testing Bar ≤0.03mm
Surface	Titanium Plating
Water Spray	Triple Spray
Chucking Type	Push-button Type
Cartridge	Exposed Cartridge
Bearing	German Ceramic Bearing
Autoclave	Can Be Sterilized at Max 135°C
Connection	5000 LUX Color Temperature: 5500(K) - 6000 (K)

Never Ever Damaged LED
LED Lamp Beads That Can
Undergo 135°C Sterilization



Transforming Healthcare
by driving

A **ailability**
ccessibility
ffordability
wareness

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