# Better dentistry, Better life

Bon dent

**Bondent is a multinational dental company**
that provides dentists with high quality dental products and continuous innovation

We have 8 subsidiaries specialising in equipment manufacturing

**Wide range of dental equipment**
iincluding
microscopes, CBCTs, dental units; and consumables such as endodontic files, implant products and more

# Features

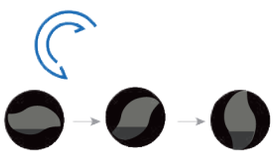
FLASH ENDO POWER

ISO color coding

Short Shaft 11mm

Silicon stopper in the ISO color
for specific Flash instrument tip size

Working length
21 mm, 25 mm and 31 mm

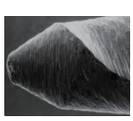


**S cross section**
Perfect cutting efficiency

**Flat side design**
Flat side design increase the efficiency of debris removal

**Heat treated NiTi material**
Unique heat treatment technology, increased flexibility
avoiding tooth mircocracks

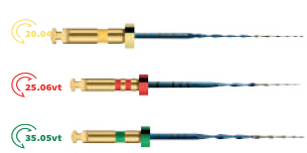
First 6mm from tip have
no flat design and no heat
treatment



**None cutting tip**

**Minimally invasive**
Small size and taper, design in line with the concept of minimally invasive treatment

**20/04vt 25/06vt 35/05vt**




- Difficult cases / narrow canal - 20.04vt
- Normal cases - 25.06vt
- Easy cases - 35.05vt

Speed: 350 rpm. CCW/CW 150°/30°

Shape coronal 2/3 of the canal with Flash instrument using small movements of 1 to 2 mm. Remove and clean instrument every three pecking motions

Use size 10 or 15 K File to maintain patency and establish WL with the help of an apex locator

Clean the debris from the flutes. Irrigate the canal frequently to evacuate debris from canal

Finally, use Flash to shape the apical part with small amplitude movements of 1 to 2 mm in three peckings

# FLASH

## ENDO POWER

## YOUR **NEW** POWER

- **Flat-side design** allows excellent debris removal
- **Special heat treatment** provides the best of cutting efficiency, flexibility and mechanical cleaning
- **Non-active tip** for safer preparations
- **Minimally invasive**
- **Double NiTi treatment**

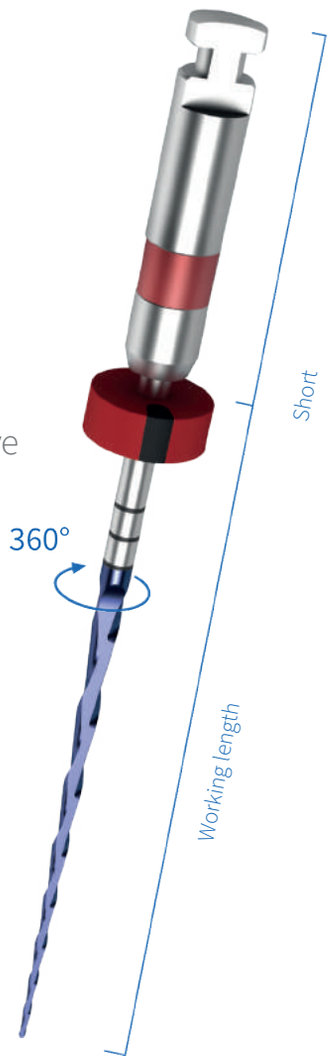
# Endodontic System
# Safe and Effective

# Platinum V.EU

Featuring our patented flat section:
the perfect combination between cutting efficiency and debris removal

Patented cross section of the instrument:

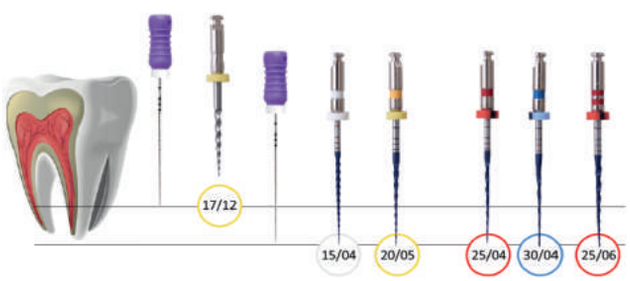
1. Reduces the risk of instrument fracture
2. Increases the efficiency of circumferential brushing movements for effective selective cleaning
3. Increases the lateral space at the apex and reduces the risk of debris extrusion through apical foramen




## THE BASIC SEQUENCE

Select finishing instrument according to the anatomy of the canal

**Length:** 19mm (opener only), 21mm, 25mm, 31mm




| | 17/12 | 15/04 | 20/05 | 25/04 | 30/04 | 25/06 |
|---|---|---|---|---|---|---|
| **Color** | | | | | | |
| **Taper** | 8% | 4% | 5% | 4% | 4% | 6% |
| **Size** | 17 | 15 | 20 | 25 | 30 | 25 |
| **Speed** | 300 | 350 | 350 | 350 | 350 | 350 |
| **Torque** | | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 19mm | PVEU012019017 | / | / | / | / | / |
| 21mm | / | PVEU004021015 | PVEU005021020 | PVEU004021025 | PVEU004021030 | PVEU006021025 |
| 25mm | / | PVEU004025015 | PVEU005025020 | PVEU004025025 | PVEU004025030 | PVEU006025025 |
| 31mm | / | PVEU004031015 | PVEU005031020 | PVEU004031025 | PVEU004031030 | PVEU006031025 |

# M3 · Immature BLUE

**Designed by European KOLs** for primary teeth and for patients with limited mouth openings. Available in ISO 20, 25, 30 in tapers 04 and 06. Special heat treatment with blue nano coating for best file performance. All in 16 mm.



Cross Section

| | 20/04 | 25/04 | 30/04 | 20/06 | 25/06 | 30/06 |
|---|---|---|---|---|---|---|
| **Color** | ● | ● | ● | ● | ● | ● |
| **Taper** | 4% | 4% | 4% | 6% | 6% | 6% |
| **Size** | 20 | 25 | 30 | 20 | 25 | 30 |
| **Speed** | 350 | 350 | 350 | 350 | 350 | 350 |
| **Torque** | 1.5 | 1.5 | 1.5 | 2 | 2 | 2 |
| **Cross Section** | | | | | | |
| 31mm | MIMB004016020 | MIMB004016025 | MIMB004016030 | MIMB006016020 | MIMB006016025 | MIMB006016030 |

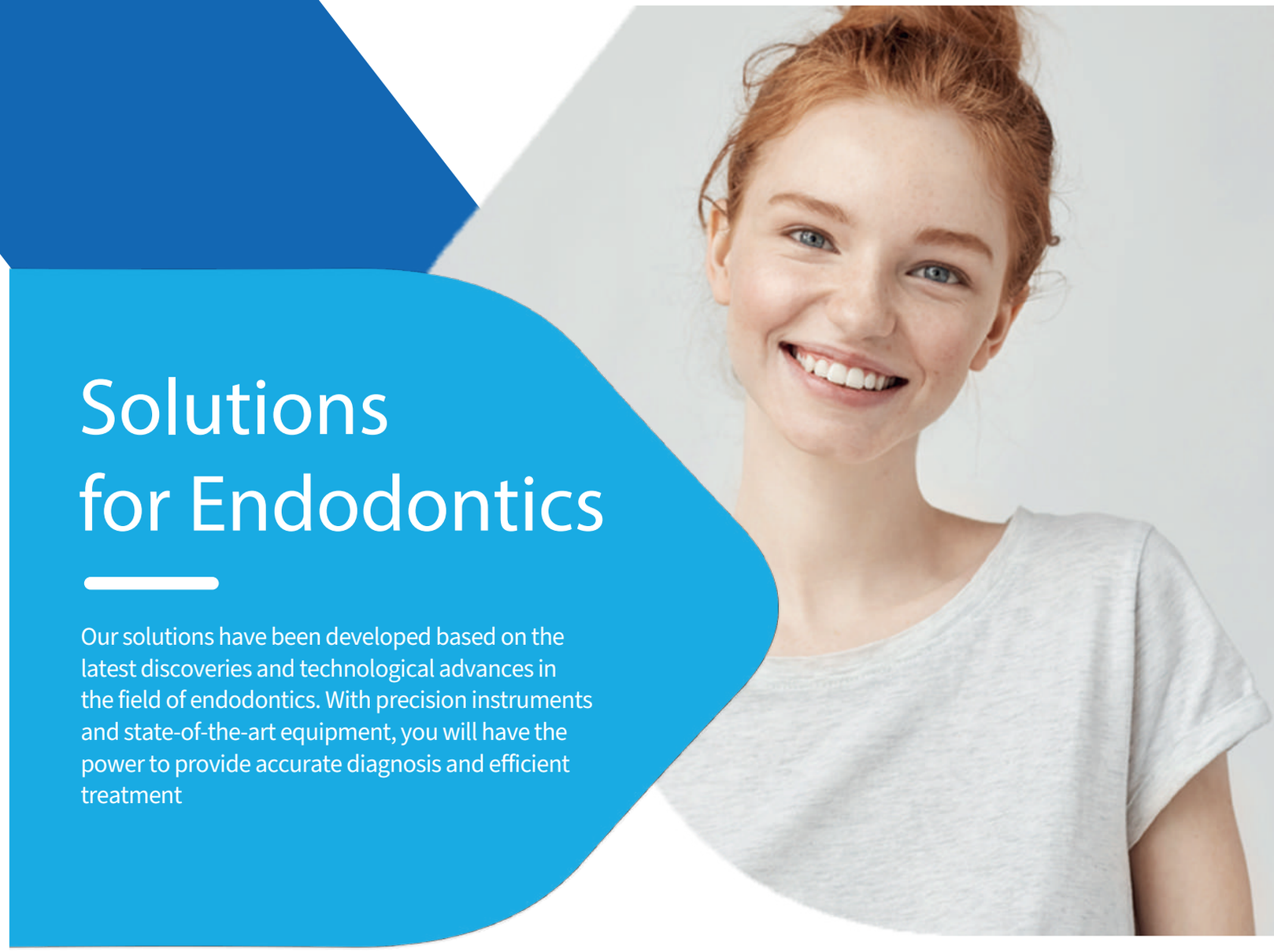
# STAINLESS STEEL HAND FILES

## K FILES

- G2 Stainless Steel Kfile is available in the following lengths: 21mm, 25mm, 28mm and 31mm. It has a radiopaque silicone stopper and X-ray visible depth gauges. It also has an inactive pilot tip which helps in guiding the instrument safely along the canal. It comes in different sizes: #6, #8, #10, #15-#40, #45-80.

## C FILES

- Reinforced tip of instrument in the first 3 mm results in increased resistance to bending forces and allows dentists to a stronger force while navigating through canals
- Square cross section for reduced risk of file separation and increased safety while keeping high cutting efficiency
- Special heat treatment technology used in the manufacturing process of Bondent C File results in a stronger instrument, of which the strength is increased by 60% (compared to regular stainless steel)



# Solutions for Endodontics

Our solutions have been developed based on the latest discoveries and technological advances in the field of endodontics. With precision instruments and state-of-the-art equipment, you will have the power to provide accurate diagnosis and efficient treatment

## Irrigation Needle

Irrigation needle has a bendable double-sided venting with a closed end which eliminates hydraulic pressure to the apex and ensures excellent irrigation. It is available in gauge 30 and comes in two lengths: 22mm for posterior teeth and 26mm for anterior teeth.

## Paper Points

- Comes in three colors and tapers: 2%, 4% and 6%.

## Gutta Percha

- True-too-size and doesn't easily distort. It comes in three colors and tapers: 2%, 4% and 6%.

## Plugger

- This instrument is double-ended. Its smaller tip is made up of NiTi and its bigger tip is made up of stainless steel.

# iRoot Pro

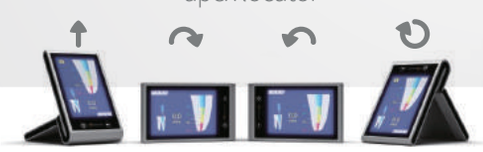
Cordless Endo Motor
with integrated Apex Locator

**Bluetooth integrated**

**iPedal**

## iRoot Apex

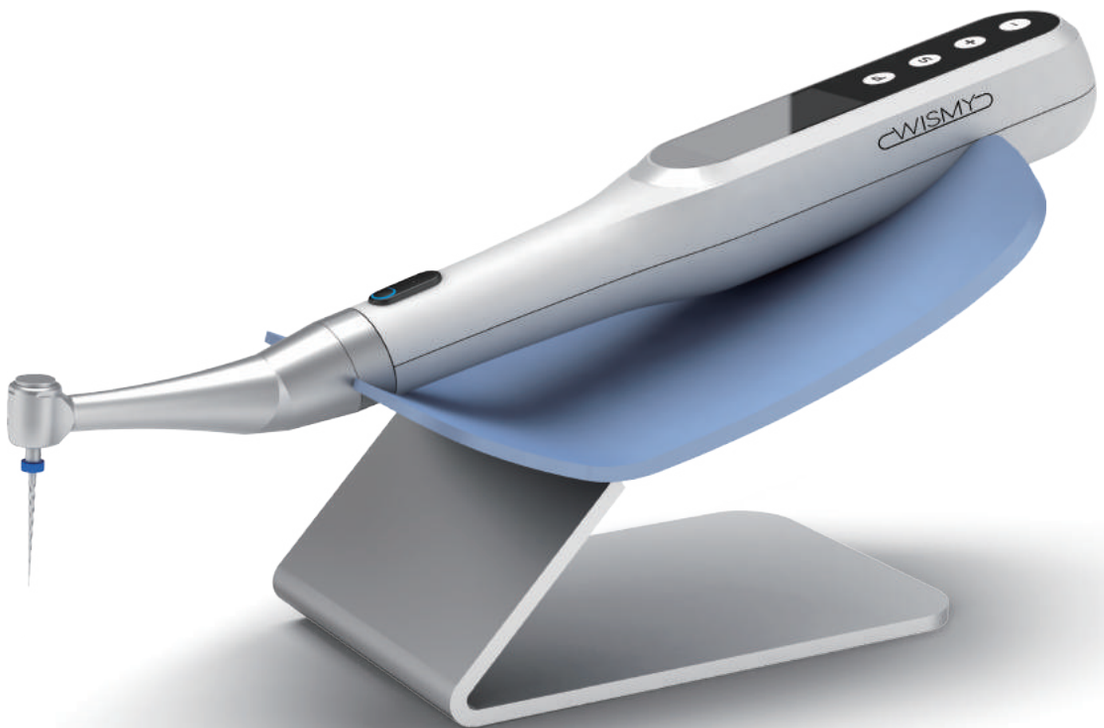
Intelligent and accurate
apex locator



Equipped with a high precision gyroscope
Adapting display to apex locator position

**More color to your life**

WISMY

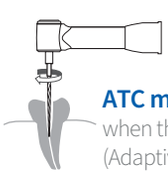



## Endo Wise

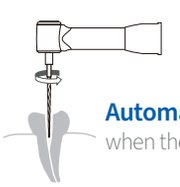
- Cordless Endo

## Features

1. Programmable reciprocation settings
2. Large OLED display,
3. Long operating time
4. Precise torque control



**ATC motion**
when the torque limit is reached
(Adaptive torque)

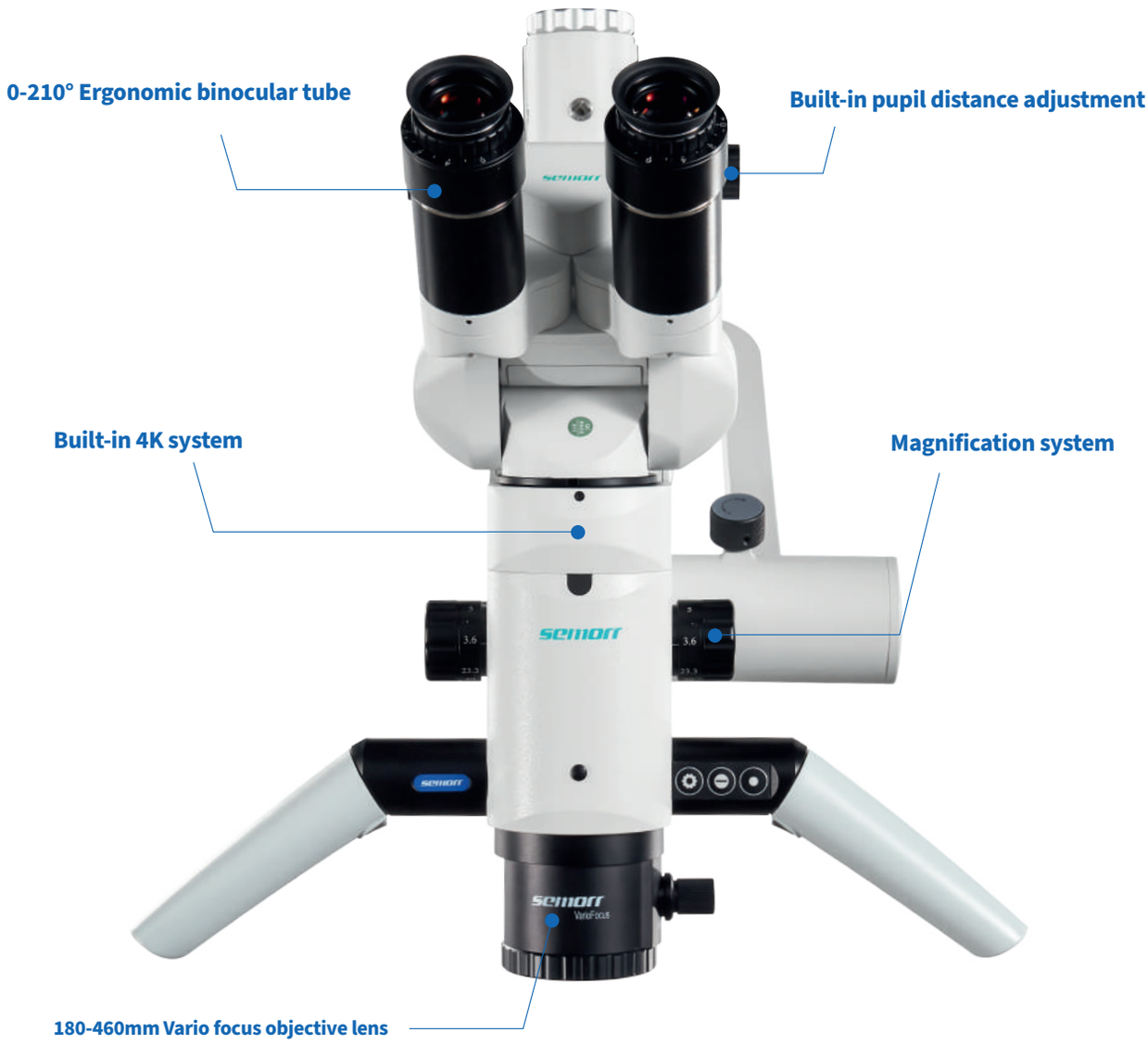


**Automatic reversal**
when the torque limit is reached

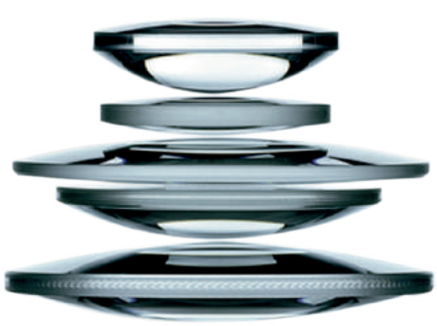
## Wispex - Apex locator

- High definition TFT display
- Multi-frequency technology guarantees high accuracy
- Multicolored scale for ease of reading
- Segmented view of the file in the root canal
- Programable apex – point „0”
- Not affected measurement by presence of blood or pulp in the root canal

# DOM 3000 - 4K PRO




## ❶ New optical design Extreme visual experience



- Sharpen optical imaging

Effectively reduce beam splitting, color separation, filtering, polarization, and thus reducing glare.

- Improve imaging clarity

The new optimized optical path design enhances the ability to collect light in the working distance.thereby increasing the resolution.

- Enhance color rendition

Medical grade LED light source is used to increase the percentage of luminous flux to improve light transmittance.

## ❷Built-in 4K camera for higher-quality imaging

Built-in 4K imaging system, based on SONY's* high-end image sensor, it supports 4K video recording, which is much clearer than traditional high-definition imaging systems.

**SONY's is a registered trademark of Sony Group Corporation*

## ❸ Era of IOT share in real-time

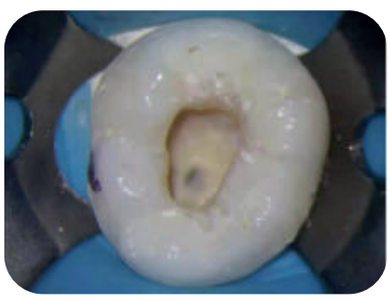
More flexible control modes:
- Mobile phones
-Tablet computers
-Buttons on handle

## Use your mobile phone or tablet to take pictures and videos of cases,which is helpful for

- Doctor-patient communication
- Academic communication
- Remote medical treatment

## ❹ Unobstructed field of view
## Less repositioning during surgery

FOV: **132mm to 9.7mm** field of view diameter

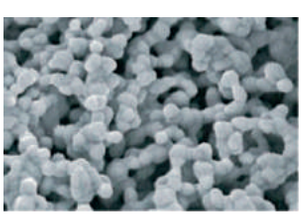


## ❺ Larger operating space, less microscope movements

Vario focus objective lens
Range: 180mm- 460mm

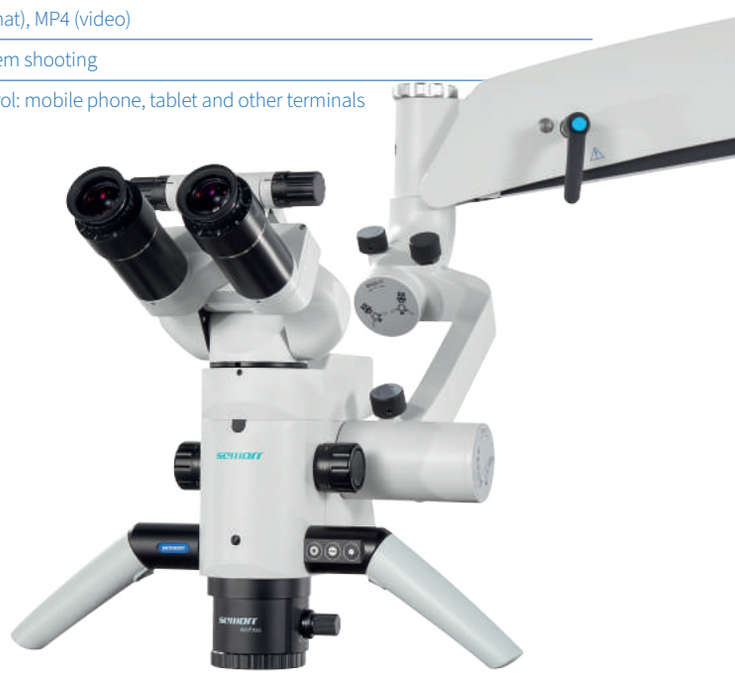
## ❻ Safer and cleaner clinic environment

The permanent nano-silver ion coating provides additional protection to the overall outer body of the microscope, which can further maintain the cleanliness of the micro-scope surface, reduce harmful pathogens and reduce the risk of cross-contamination, and adhere to strict disinfection protocols in clinics.



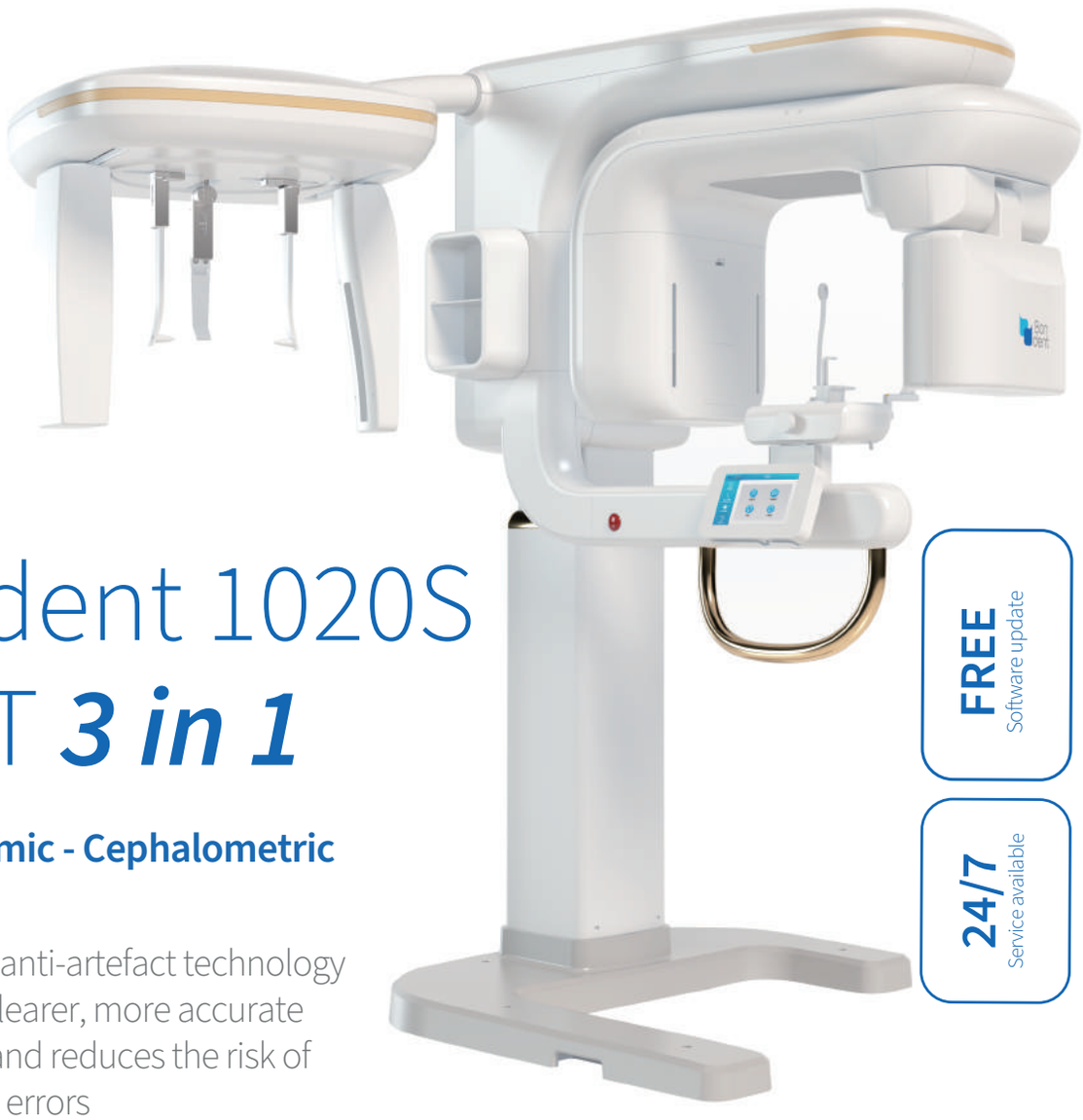
# Technical Data

| | |
|---|---|
| **Microscope System** | |
| Eyepieces | 10/22B high eyepoint ocular help receive larger FOV |
| Binoculars | 0~210°Inclinable extended tube |
| PD adjustable range | 55mm- 75mm |
| Diopter Range | +7D |
| Magnifications | ZOOM magnification |
| Zoom magnifications | 3.6x- 23.3x |
| Objective Lens | 180mm- 460mm |
| Diameter of FOV(*) | 132mm- 9.7mm |
| **Illumination System** | |
| Light source | Built-in high-reliability medical LED light source , with continuously adjustable luminance, life span over 60,000 hours |
| Minimum illumination intensity (f=250) | ≥80000lx |
| Diameter of illumination spot | ≥60mm |
| Color Filter | Yellow , green |
| Color temperature | 5700K, closer to natural light |
| **Support System** | |
| Bracket type | Suspension type bracket |
| Big arm | 460mm, 360° rotation |
| Spring arm | 700mm, ±160° rotation, vertical displacement ±315mm |
| Maximum arm spread | 1390mm |
| Base size | 516mm*516mm |
| Surface Material | Protected with antibacterial nano silver ion coating to ensure no cross contamination |
| **Built-in 4K camera system** | |
| Video definition | 3840x2160 (4K, switchable to 2.7K, 1440P, 1080P, 960P and 720P) |
| Video frame rate | 30fps@4k |
| Storage medium | External TF flash disk 128G TF |
| Screencasting Program | Play back video and picture files online |
| Shooting support mode | JPG\RAW (image format), MP4 (video) |
| 4k pedal | Control 4K video system shooting |
| Control mode | Wireless remote control: mobile phone, tablet and other terminals<br>Buttons on handle |



# INTELLIGENCE FOR EVERY PRACTICE

- Powerful and professional 3D treatment software enables easy communication between doctors and patients



# Bondent 1020S CBCT ***3 in 1***

**FREE**
Software update

**24/7**
Service available

## CT - Panoramic - Cephalometric

- Intelligent anti-artefact technology provides clearer, more accurate scanning and reduces the risk of diagnostic errors
- Intelligent low-dose noise reduction technology for maximum image clarity and patient safety
- Intelligent 3D panoramic technology, surpassing traditional limits. Now up to 33 panoramic images can be generated simultaneously
- Multi-track focus panoramic technology, focusing on clinical pain points
- Powerful and professional **Bondream 3D** rendering software facilitates communication between doctors and patients
- Service available 24 hours a day, 7 days a week, with free software updates

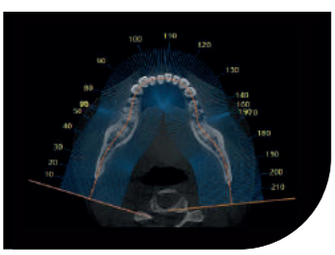
# Intelligent noise reduction

- Committed to solving the intrinsic flaw of traditional panoramic film: distortion, overlapping

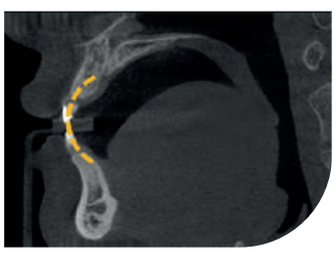
## The onion theory

- AI algorithm not only recognizes the maxilla, mandible and dental arch, but also automatically describes the biological curvature of the teeth.

Onion theory



Dental Arch

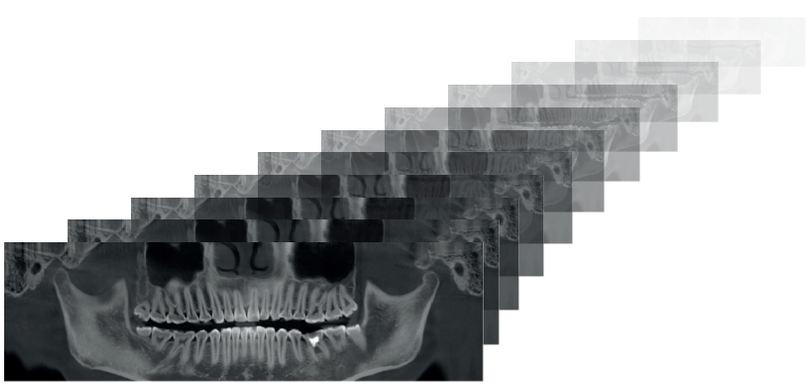


Biological Curvature Of Teeth

## Intelligent 3D Pano

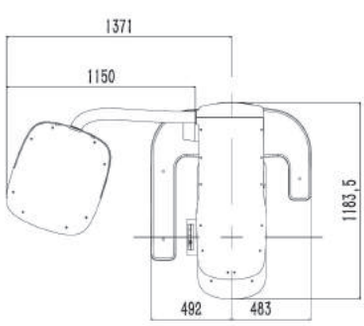
- Based on the shape of each patient's maxilla and mandible, the system automatically generates 33 slices of 0.8mm thick CT- panoramic images at just one touch.

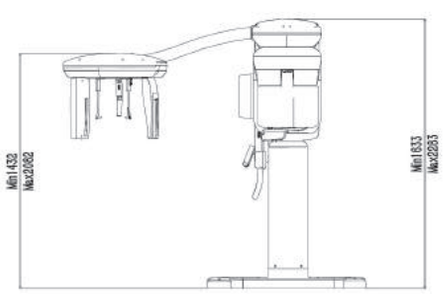
- You can view 16 CT panoramic images on the screen simultaneously. It's much more intuitive and convenient when compared with tradi- tional pano.



# Technical Data

| Technical Overview | Bondent 1020S | Bondent 1020E |
|---|---|---|
| Outlook | | |
| Field of View | 16cm x 8cm | 16cm x 8cm |
| Camera Mode | CT, Pano, Ceph | CT, Pano |
| Sensor Type | CT, Pano (CMOS), Ceph (CCD) | CT, Pano (CMOS) |
| Detector Switching Mode | Automatic | / |
| Patient Positioning | Standing/Seated/WheelchairAccessbile | Standing/Seated/WheelchairAccessible |
| Installation | Upright | Upright |
| Pixel Value | 70um,100um,150um,<br>200um,250um,300um | 70um,100um,150um,<br>200um,250um,300um |
| Spatial Resolution | >1.8lp/mm (CT and Panoramic mode)<br>>2.0lp/mm (Cephlo Mode) | >1.8lp/mm (CT and Panoramic mode)<br>>2.0lp/mm (Cephlo Mode) |
| Gray Scale | Mbit | Mbit |
| Reconstruction Time | Less than 60s | Less than 60s |
| Focal spot | 0.5mm | 0.5mm |
| Exposure Time | CT: 8s or 24s;<br>Pano: Ms;<br>Ceph: 4.2s or 8.4s | CT: 8s or 24s;<br>Pano: Ms; |
| Workstation PC | Model: Hpworkstation<br>Graphics card: GTX1660 (6G only)<br>Monitor: HP 23.8", 1920x1080 resolution<br>Operation System: Windows 10 64<br>Workstations ASIA<br>CPU: i5<br>Memory: 16GB DDR42 666 DIMM ECC<br>Registered Memory<br>Hard Disk: 1TB7200RPM SATA3.5in,<br>256G SSD<br>Drive: 9.5mm DVD-Writer 1st ODD<br>Keyboard: Business Slim PS/2 Wired<br>Keyboard PRC<br>Mouse: HP Optical USB Mouse | Model: Hpworkstation<br>Graphics card: GTX1660 (6G only)<br>Monitor: HP 23.8", 1920x1080 resolution<br>Operation System: Windows 10 64<br>Workstations ASIA<br>CPU: i5<br>Memory: 16GB DDR4 2666 DIMM ECC<br>Registered Memory<br>Hard Disk: 1TB7200RPM SATA3.5in,<br>256G SSD<br>Drive: 9.5mm DVD-Writer 1st ODD<br>Keyboard: Business Slim PS/2 Wired<br>Keyboard PRC<br>Mouse: HP Optical USB Mouse |
| Operational Software | Bon-Masterimage management module;<br>Bon-Capture patients scanning module;<br>Bon-Touch touchscreen module;<br>Bondream 3D -processing module | Bon-Masterimage management module;<br>Bon-Capture patients scanning module;<br>Bon-Touch touchscreen module;<br>Bondream 3D |



# E-200B EU

## Dental Unit

Processed through high-precision machining, the turning points  of the arms of force on the chair are very smooth in motions that the arms can be positioned accurately, providing doctors with more flexible and comfortable operation.

# E-200B EU

Dental Unit

## Guided Assistance

The instrument rack with ultra-wide swivelling range and the compact side box provide to assistant ample operating space which facilitates.

The double joints with dampers make the ra flexibly and smoothly and it can be positione by assistant.

## Humanized Design

- Sensitive inductive touch buttons for easy operation and cleaning
- Clear division of funtion buttons
- Users friendly control panel

## Functionality

- 3 groups of 3 - position memory prograr
- Time for cuspidor rinsing and mouth-rinsing can be adjusted
- Temperature of mouth-rinsing water ca adjusted and displayed
- The control system has failure self-checking function. Alarm will be trigered and error code will be display when an error occurs

**Ergonomically Constructed Backrest**

Better
dentistry,
Better
life

Bon
dent