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www.bondent.eu



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nt System







We have 8 subsidiaries, 15 offices and more than 1000 employees globally. Be tolerant to diversity, tolerance is a virtue. Bondent is an open and resource-converging platform, has won a good reputation in the industry with its business philosophy of "inclusive of all rivers, compatibility and inclusiveness".

Today, Bondent's product portfolio consists of dental equipment: Semorr microscope, CBCT & dental unit as well as consumables like UDG endo files, iEZ implants and Dr.Kelier Invisible Aligner.

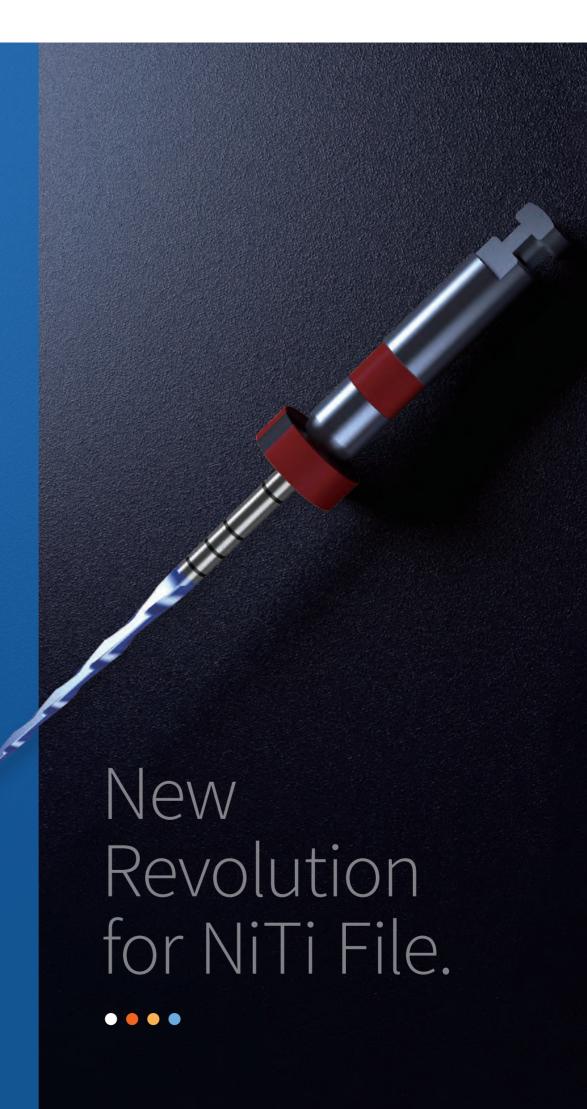


Introduction

Dunited Dental is located in Shanghai, and our factory is in Changzhou, Jiangsu Province, both in East China. United Dental is a dedicated manufacturer on orthodontics and endodontics with wide product lines: brackets, archwires, molar bands, buccal tubes, endo instruments, mini implants, etc. All products have CE, FDA and ISO certifications.

Our patented products, like the M3-series rotary files, have gained high praises from clinic, hospital, university users, with increasingly satisfied customers every day. We are continuously looking for more business partners who share our vision of providing high quality products and service to more doctors and patients.

For Endodontic Products, it covers rotary and hand files, obturation instruments and endo accessories.



Endodontics

Tor Endodontic Products, it covers rotary and hand files, obturation instruments and endo accessories.

Access

M3 - Safe Opener

M3-Safe Opener is manufactured with UDG's unique flat-side design. It reduces screw-in effect. High cutting efficiency and more efficient debris removal.





Peeso Reamer

lengths.



Certification: Medical Class I, EC Declaration of Conformity

Available in standard (32mm) and short (28mm)

Micro Opener



Specially designed for microendodontics, for orifice opening of posterior teeth. It builds up a smooth, replicable path to facilitate further procedures. It is available in different sizes and lenghts: #10, #15 and #20 in 21mm, 25mm or 31mm. All in 4%-taper.

Certification: Medical Class I, EC Declaration of Conformity

Scouting & Glide Path

M3-C Files





M3-C are stainless steel hand files. They are available in the following lengths: 19mm, 21mm and 25mm. It is more buckling-resistant, therefore perfect for scouting and removal of canal obstructions during the initial stages of preparation. It has an inactive pilot tip which helps in guiding the instrument safely along the canal. It comes in different sizes: #6, #8, #10, #12 and #15.

Certification: Medical Class I, EC Declaration of Conformity

M3 - Path





The M3-Path File optimizes the shaping preparation, respects the natural anatomy of the canal, increases safety with enhanced flexibility and resistance to cyclic fatigue while preserving cutting efficiency.

M3 - Safe Path L





M3-Safe Path L is available in: 10vt, 13vt and 16vt. It simulates ISO color of instrument tip size for easy identification. It increases debris removal and also reduces the screw-in effects due to it flat-sided design.

Certification: Class IIa, CE, ISO

Micro Shaper



Also specially designed for microendodontics. For scouting and negotiation in posterior teeth. It builds up a smooth and flexible glide path. It is available in different sizes and lengths: #20, #25 and #30 in 21mm, 25mm or 31mm. All in 2%-taper.

Certification: Medical Class I, EC Declaration of Conformity

Shaping



Rotary NiTi Series

- Indicated for all canals.
- Adapted S cross section with unique side-cutting to ensure effective debris removal and minimizes screw-in effect.
- Innovative polishing and blue nano coating technology increases cyclic fatigue resistance of the file, thereby reducing file separations possibilities
- New heat treatment increases flexibility without compromising the cutting efficiency.
- Glide path file included in sequence.
- Comes in 17/12, 15/04, 20/05, 25/04, 30/04 and 25/06

Certification: Class IIa, CE, ISO



M3-Pro 6010 V.3





M3-Pro Gold V.3 has various models: #12 and #16 variable progressively-tapered path files, 18/05, 25/06 and 35/04. It is made of controlled memory NiTi and is suitable for curved root canal preparations as due to its high flexibility and resistance to fatigue. It is available in 21mm, 25mm and 31mm. M3-Pro Gold V.3 has sharp cutting edges with non-cutting safety tip.

Certification: Class IIa, CE, ISO

M3- PLATINUM

(Heat treated NiTi)





M3-L Platinum files are available in following lengths: 21mm, 25mm and 31mm. It comes in: 17/12, 12/02, 13/02, 16/02, 20/007 and 25/06. M3-L Platinum instruments is made up of heat-treated NiTi and is recommended for single use only.

Certification: Class IIa, CE, ISO

CC - Premium **CD**





CC-Premium comes in: #17/12vt, #20/04, #25/06, #35/04 and CC-True 3D Max. CC-Premium has ingenious static grinding technology and has a S-shaped cross section which helps in continous removal of dentinal chips. It also has a non-cutting tip design.

Certification: Class IIa, CE, ISO

Shaping







CC-One Blue files are reciprocating files with nano ceramic blue coating. It has four sizes: 20/07, 25/08, 30/08 and 40/06.



Cross Section

Certification: Class IIa, CE, ISO

Shaping

M3 - Immature BLUE





Special Function NiTi

M3-Immature Blue comes in only one length: 16mm. It is specially indicated for RCT in pediatric dentistry.

It is available in: 4%-taper (20/04, 25/04, 30/04) and 6%-taper (20/06, 25/06 & 30/06). These files are made up of heat-treated NiTi; they are very flexible and resistant to cyclic fatigue.

Certification: Class IIa, CE, ISO

Shaping

Stainless Steel Files

K Files





G2 Stainless Steel K file 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.

Certification: Medical Class I, EC Declaration of Conformity

H Files





Cross Section

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

Certification: Medical Class I, EC Declaration of Conformity

Reamers



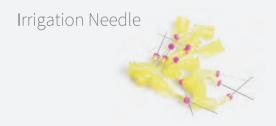


Cross Section

G2 Stainless Steel Reamer is available in the following lengths: 21mm, 25mm, 28mm and 31mm. It has a radiopaque silicone stopper and X-ray visible depth gauges. It 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.

Certification: Medical Class I, EC Declaration of Conformity

Cleaning and Irrigation



Irrigation needle has a bendable double-sided venting with a closed end which eliminates hydraulic pressure to 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.

Certification: Medical Class I, EC Declaration of Conformity

Obturation

Plugger



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

Comes in 4 different configurations: GREEN #35/#70; BLACK #40/#80; ORANGE #50/1000; BLUE #60/#120.

Certification: Medical Class I, EC Declaration of Conformity

Paste Filler



Availability: Lentulo paste filler and spring paste filler.

Certification: Medical Class I

GP Points



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

Certification: Class IIa, CE, ISO

Paper Points



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

Certification: Class Ia, CE, ISO

Retreatment

M3-RT





For sequential removal of gutta percha. Continuous Rotation. Highly efficient and easy to use. Comes in 30/09 (19mm), 25/08 (25mm) and 30/07 (22mm & 25mm).

M3• ⊤

(Heat-treated NiTi)





M3-T files are available in 10/06, 10/08, 15/06, 20/07, 25/08 and 30/09 and in the following lengths: 21mm, 25mm and 31mm. These files have a pre-bent tip and is very efficient in the removal of ledges/elbows during preparation.

Certification: Class IIa, CE, ISO

M3·TP

(Heat-treated NiTi)





M3-TP files are used for apical enlargement without further enlarging coronal and middle portions. Comes in #s 30, 35, 40, 50 & 60. All in 2%-taper and available in 21mm, 25mm & 31mm.

Certification: Class IIa, CE, ISO

Accessories

Endo Clean Box



Autoclavable. Made of TPX plastic.

Certification: Medical Class I, EC Declaration of Conformity

Endo Box



Autoclavable file organizer. Made of TPX plastic.

Certification: Medical Class I, EC Declaration of Conformity



Autoclavable.

Stopper



Silicone stoppers. 1.5mm in thickness.

Hand Files Holder



Comes in blue color and made up of medical grade stainless steel. It is autoclavable and has a 3-year warranty.

Certification: Medical Class I

Training Block



J-curve plastic block.

3D Tooth



3D printed plastic tooth for endodontic training. Replica of a natural maxillary first molar with MB2.

Training Kit



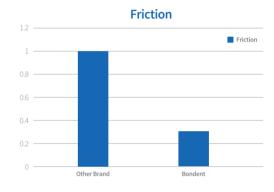
Training Kits are available for workshops.



Orthodontics

- super low friction technology

Super low friction technology reduce friction by 70%. Moves the teeth quickly. Reduces 20% treatment time.



Metal

Omni SL 6.1th Generation



Omni SL brackets are from Uni clip series made of stainless steel. These brackets are highly flexible as they are round in shape with low profile design and easy wire engagement. It has laser marks on pad for easy identification and provides great comfort during alignment treatment It also helps in maintaining better oral health. It has the following specifications: ROTH / MBT / HIGH TORQUE / STANDARD TORQUE / LOW TORQUE 0.022 / 0.018, NO HOOK / 3 / HOOK / 345 / HOOKS. Tooth position mark 8m mesh with strong bonding.



MIM produced brackets with welding 80 ped used to provide superior finishing. These brackets bring technology, innovation and value together. It comes in two forms: Omni-MM series Mini and Omni-MM series Standard. ROTH/MBT 022/018





Ceramic Brackets

Uni-Trans



Uni-Trans brackets enhances patient comfort by giving a smoother surface and by minimizing occlusal interference. It is a perfect combination between aesthetics design and 3D printing technology. It provides more efficient treatment by relying on extra-low friction and non-metallic slides. It has the following specifications: ROTH/MBT, 0.022/0.018, NO HOOK/3/HOOK/345/HOOKS.

Elastomers

Power Chain



Power chains are color-fast and stain resistant in nature. These are medical grade polyurethane which offers a consistent force in closed, short, long filaments and are color matched with ligatures.

Ligature Ties



Ligature ties building colors are color-fast and stain resistant in nature. These are medical grade polyurethane which ensures results.

O-rings



Intraoral elastics are made up of unique design from the purest, freshest materials . It comes in an excellent package and provides excellent stretch and rebound. These are latex free and stain resistant. It has the following specifications: 2.5 OZ/3.5OZ/6.5 OZ, 1/8/3/16/5/16/3/8, Light/Medium/Heavy.

Separators



Separators modules stay put until they are removed with an instrument providing excellent stretch and rebound. These are soft-molded modules which will not irritate soft tissues.

Arch Wires

Stainless Steel Archwires



Stainless Steel archwires are made of 304 stainless steel material. These wires provide a smooth surface along with greater comfort and excellent elasticity. It has the following specifications: Ovoid/Natural, 0.012-.021*.025, upper/Lower, 1pc/pack, 10pcs/pack.

NiTi Super Elastic



Super Elastic archwires are light to moderate and responsive to chilling. These wires address leveling, torque and rotation early in treatment. It is highly flexible with excellent resilience which provides greater comfort to patients than stainless steel wires. It has the following specifications: Ovoid/Natural and Reverse back.

NiTi Thermal Active Archwires



Aesthetic NiTi archwires are made of NiTi material and are preformed with polished surface finish.

Reverse Back Archwires



Reverse back archwires are of three types: RCS1, RCS2 and RCS3. It provides 20 degree anterior torque. It also helps in early introduction of torque in upper centrals and laterals.

Bands & Tubes

Orthodontic Molar Band Assorted Kit



Orthodontic Molar Band assorted kit has an ideal shape which provides greater elasticity along with superior fit. It is built into buccal tubes with straight interproximal walls in order to reduce separation along with curved festooning. It has the following specifications: #29-#44+, UR/UL/LR/LL, 1st/2nd molar.

Buccal Tubes



Buccal tubes are from the falcon series which takes advantage of the shock absorbency with its innovation design. It makes bonding easy and more reliable. It has the following specifications: 1st/2nd molar, Roth/MBT, Bondable/Weldable, convertible/non-convertible, Roth/MBT, U1/L1, U2/L1, U3/L2.

Accessories

Springs



Springs offer the same shape memory benefits of super-elastic springs with the added benefit of reduced inventories. It provides adjustable force with its open and closed coil titanium springs. It has the following specifications: Closed springs: 6mm, 9mm, 12mm, 0.10 inch/0.12inch. Open springs: 178mm, 0.10 inch/0.12inch.

Crimple Hooks



Crimple hooks are made of stainless steel and can be placed anywhere on the wire as an extra retention hook. These are easy to slide and snap. It comes in two forms: short and long.

Lingual Buttons



Lingual buttons are made up of 304 stainless steel material and provides smooth surface, greater comfort and excellent bonding. In the areas of high density, it may be necessary to utilize the 1.1mm drill provided to penetrate the cortical plate. It has the following specifications: Round base/Ellipse base, Bondable/weldable.

Micro Implants



UDG's unique design for micro implant is self-drilling and self-tapping. Due to the design of the conical thread, drilling is eliminated in most areas of the mouth. It has the following specifications:-6mm, 7mm, 8mm, 9mm, 10mm, 11mm and 12mm.

Micro Implants Handles



Micro-Implant handles are used to hold micro-implants. It comes with matching handle: MIHI-001 and a handle shack: MIHIS-001.



Introduction

Changzhou Bomedent Medical Technology Co. Ltd is a high-tech enterprise which focuses on researching, developing, selling and servicing dental instruments.

Our main products are endodontic micromotor; apex locator and related products. Our R & D team has more than ten years experience in the development of dental products.

We have 4 broad ranges of products under Bomedent: Endo-motor, Apex Locator, Obturation & Ultrasonic Irrigation System. ENDO-MOTOR & APEX LOCATOR

Bomedent Endo-motor & Apex Locator

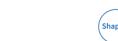
2 A high-tech enterprise who focus on researching, developing, selling and servicing dental instruments.

Bomedent range of products:

iRoot Apex: Apex Locator. Marc III: Cordless Endo Motor. **iRoot Pro:** Endo Motor + Apex Locator.









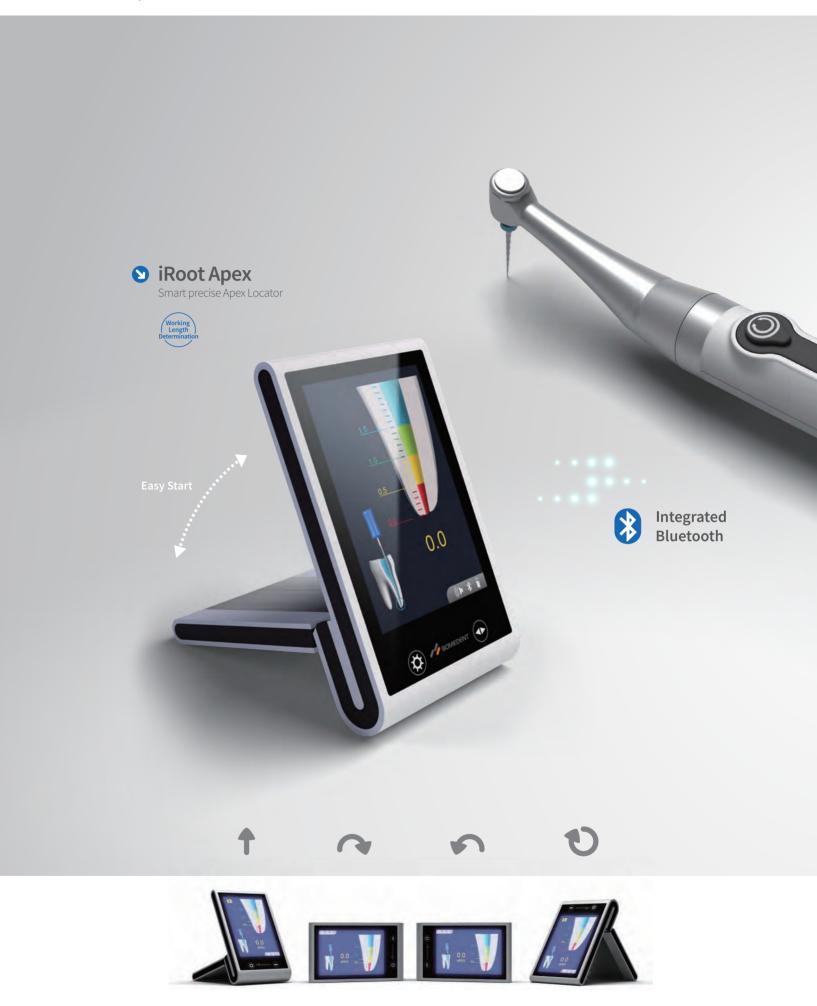


Marc III









Equipped with high precision gyroscope; display mode switches according to the state of display.

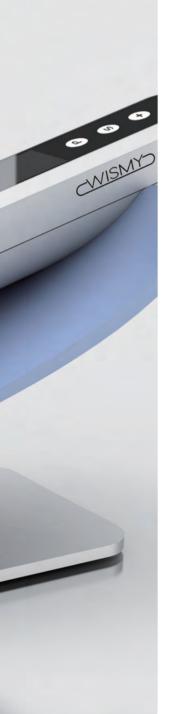






WISMY Endo-motor & Apex Locator



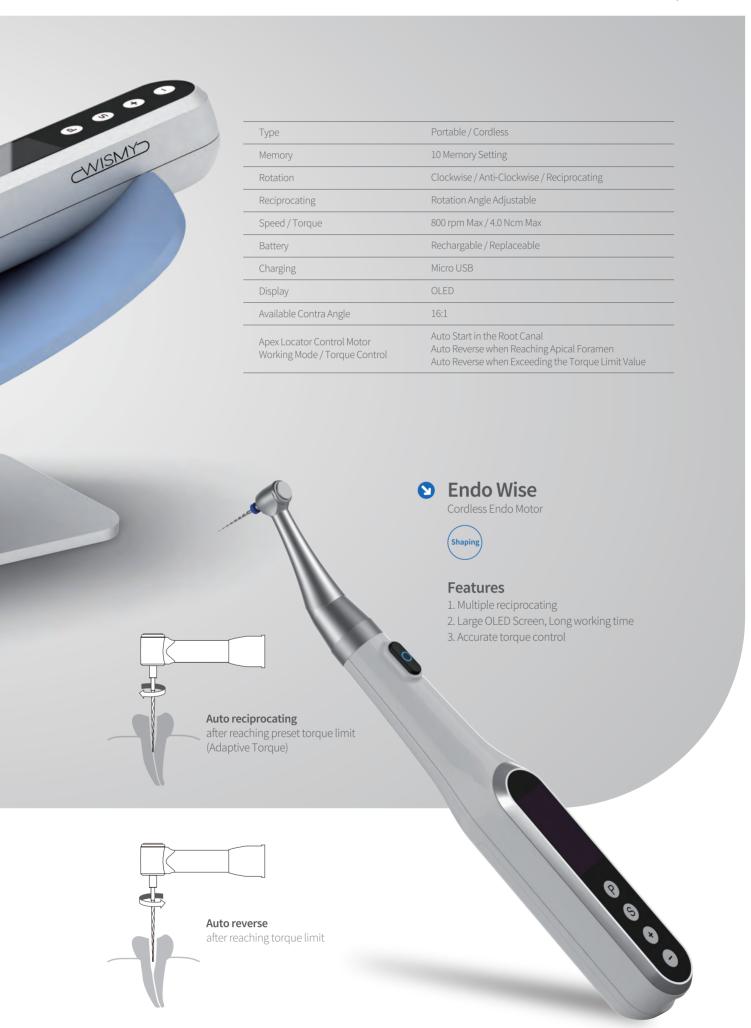


CWISMY



Accurate. Sensitive.

- High definition TFT Screen.
- Multi-frequency measurement technology guarantees high accuracy.
- Multi-color display by position.
- Segmented display of the file in root canal.
- Working length adjustable.
- Not affected by fluid or tissue in the root canal.
- Suitable for all tooth types.













Two working modes

regular and high power options, for different situations.



1600mAh

Long standby time



Wireless charging

Faster and more convenient.



Small amplitude **Strong Power**



Mute ultrasonic technology. Small amplitude but strong power working more stable and less noisy.



Different tips to meet more root canal requirements



Wireless control (optional)

Wireless foot control, allows hands-free operation by dentist.





Front light

The LED light gives a better view inside oral cavity.

Bomedent Obturation & Ultrasonic Irrigation System





eFiller



eHeater



Bomedent range of products:

Actor I Pro: Ultrasonic Endo Activation Device.
eFiller: Obturation System Backfill.
eHeater: Obturation System Down Pack.







2600mAh

Long standby time



Ergonomic design

Balanced and comfortable handling



Four working temperatures

Wide temperature range, adapt to different gutta percha points on the market.





Four working tips

2 gauges, 2 lengths, 925 silver







0.2s to 200°C

The temperature rises instantaneously in 0.2 seconds, no waiting.



Wireless control (optional)

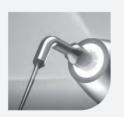
Wireless foot control, allows hands-free operation by dentist.



Rotatable tip

The needle can be rotated to adapt to multi-angle operation.





Front light

The LED light gives a better view inside oral cavity.

5emorr

Introduction

SEMORR Medical Tech specializes in designing, manufacturing and promoting dental microscopes with HD imaging systems. Whether your specialty is in endodontics, implantology, or other disciplines in dentistry, SEMORR offers microscope solutions ideal for your practice.

Since founded, SEMORR has been deriving from its core values and stands for benefiting every procedure by helping practitioners to better diagnose and treat patients more predictably.

Semorr range of products are:

Naked Eye 3D G4-D TME Training Microsco





S Enjoy a stress-free working space like never before.



Semorr Naked Eye 3D Microscope

Naked eye 3D technology

- Human eye location and tracking system, stereo shock, visual experience

No eyepieces, easy to operate

- Reduce the threshold of microscope use

Super depth of field, zoom in again

-4 times the traditional depth of field and magnification

Double screen and display operation system & doctor-patient communication modules

- Meet the needs of different scenarios

Adjuvant therapy inverted mirror system

- The image is turned to facilitate the surgeon to treat under the oral mirror reflection and make it easier to use

Compatible with multiple screens

- Support multi-screen configuration scheme, wireless connection



SEE MORE TREAT MORE

Semorr G4-D Microscope

Excellent optics New mechanical design









ERGONOMIC DESIGN EASE OF USE, COMFORT



G4-D Microscope Technical Data

Microscope System	
Eyepieces	10X/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
ColorFilter	Yellow, green
Color temperature	5700K, closer to natural light
Support System	
Bracket type	Suspension type bracket
Big arm	570mm, 360° rotation
Spring arm	850mm, ±100° rotation, vertical displacement ±300mm
Maximum arm spread	1650mm
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	3840×2160 (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 Buttons on handle

PRODUCT BENEFIT

New optical designExtreme 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 within 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 its incident luminous flux and improve light transmittance.



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.









3 Era of IOT, share in real-time

More flexible control modes:

- Mobile phone
- Tablet computer
- 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



4 Unobstructed field of view Less repositioning during surgery

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





5 Larger operating space, less microscope movements

Vario focus objective lens Range: **180mm-460mm**

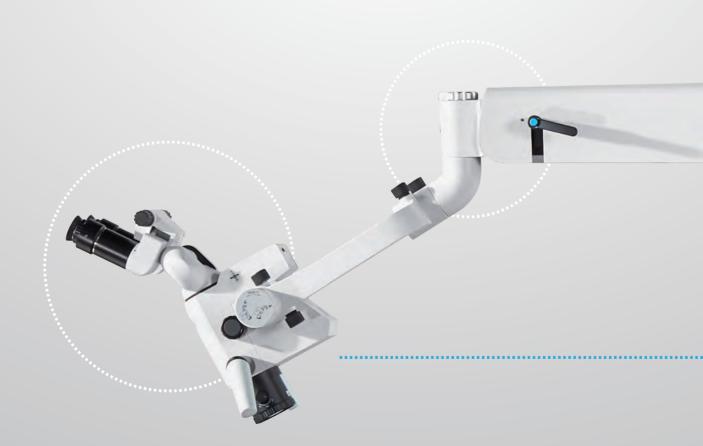




6 One-handed operation Light and smooth

The torque and dampened can be adjusted according to the operating habits to maintain the balance of the microscope. The angle and position of the microscope head can be adjusted with a light touch.

Three dampened balance arm design



FLEXIBLE MECHANISM



G4-D offers the most reliable optical aid support for even the most demanding disciplines:

Final and a matical





Aesthetic dentistry





Implantology



Oral examination





Periodontics





Images courtesy of:

¹Dr. Nuno Pinto ²Dr. Ming Xue ³Dr. Hongyuan Wen ⁴Dr. Jianhua Liu

IMMERSIVE AND VISIBLE

Semorr Naked Eye 3D Microscope

- 3D images without eyepiece, easy to operate
- 57mm depth of field under 20x magnification
- Academic and patient communication schemes with 3D images



Semorr Medical Tech specializes in designing, manufacturing and promoting dental microscopes with HD imaging systems.

Whether you are in endodontics, implantology, or other disciplines in dentistry, Semorr offers microscope solutions ideal for your practice.





PRODUCT FEATURES

















Large vario focus objective lens 180mm-460mm

- 4x depth of field and magnifying power compared to traditional microscopes.

• Dual-screen dual-display surgery system

- Multiple screens can satisfy clinical, teaching and assistant medical solutions.
- Maintain surgeon's 3D display during operation, while the 2D/3D screens are used for teaching purposes as well as exchange & communication between dentist and assistant.
- Externally connected to glasses-free 3D screen, used for dentist-patient communication.

3 Convenient reverse telescope system

- Optical signal is converted into digital signal and 3D images are reversed to turn mandibular treatment to maxillary treatment and vice versa to suit the operator's most preferred view.

Human eye location and tracking technology

- Automatically identifies objects within 3 seconds and tracks images without delaying and joggle, 3840*2160 HD 3D imaging system produces 3D images clearly and naturally.
- Lower requirements for operator's position and posture as optimal 3D images can be acquired adaptively.



Solution For patients

- Give patients a clearer understanding of oral condition, improve dentist-patient communication and increase revenue.
- Minimizes misunderstandings, strengthens dentist's rapport with patients and reduces possible malpractice incidents.
- Ultra large magnification and depth of field allows patient to better comprehend treatment procedures, thereby minimizes post-op complications thus improving the success of the treatment.





For operators

- No change neccessary in operation habits, eliminates interpupillary distance adjustment and sitting posture requirements in traditional microscopes and greatly reduces learn curve.
- 4 times magnification and depth of field compared to that of traditional microscopes, higher accuracy and operating precision .
- No requirements for position and constraints of dual objective lens, promoting effective dentist-patient communication.
- Multi-angle adjustment of lens and flexible operation enable easy observation of different tooth positions.
- No long-time observation under eyepiece, lessens strains on operator's eyes and back, reducing chairtime and improving productivity.

Semorr Naked Eye 3D Microscope

Technical Specifications

Optical system

Zoom magnifications(F250mm): 3.6x - 23.3x

PD adjustable range: 55mm~75mm

Diopter range: ±7D

Objective lens: WD180-460mm

Diameter of FOV: 9.8mm-62.5mm

Zoom factor: 0.45x~2.91x

Illumination system

Light source: Built-in highly-reliable medical LED light source, with continuously adjustable luminance.

Minimum illuminance of object surface (f=250mm): ≥50,000lx

Spot diameter: ≥60mm

Color temperature: 5500K, closer to natural light and colors

Color rendering index (Ra): ≥85

Color filter: Two or more types of filter modes: Orange: to prevent premature setting of composites and other light-cured resin materials; Green: to allow clearer image of blood-soaked operating fields, such as during implant procedures

Support system

 $Maximum\ arm\ spread:\ 1390mm;\ turning\ radius\ of\ cross\ arm:\ 460mm,\ 360°\ rotation;\ spring\ arm:\ 700mm,\ \pm 160°\ rotation,\ vertical\ displacement\ \pm 315mm;$

Base size: 516mm×516mm, for maximizing space within operatory

The support is protected with antibacterial nano silver ion coating to ensure no cross contamination

Built-in UHD camera system

Video definition: 3840×2160 (4K, switchable to 2.7K, 1440P, 1080P, 960P and 720P)

Video frame rate: 25fps@4K

Storage medium: External USB flash disk

 $Playback\ function: Timely\ playback\ videos\ and\ picture\ files\ through\ camera\ module$

3D image module

Video definition: 4K, 1080P, 960P, 720P

Frame rate: 60fps@1080P (recommended), available for 30fps@4K output

Output channel: Two-way

Output interface: Two-way micro HDMI

Image sensor: Sony high-end image sensor (x2)

Glasses-free 3D surgical intelligent display system

Image performance:

01. Display screen size: 28in

02. Effective image size: 648.9mm (H)*369.3mm (V)

03. Screen definition: 3840*2160 04. Pixel pitch: 0.16*0.16mm

05. Contrast ratio: 1000:1 (typical) 06. Luminance: 3000cd/m2 (typical) 07. Aspect ratio: 16:9

08. Color depth: 10bit

09. Color: Appox 1.073 billion colors

10. Color gamut: 72%NTSC 11. Backlight: LED

12. Visual angle: 85°/85°/80°/80° (typical)

Glasses-free 3D parameters:

01. Input voltage: 220V 50Hz 02. Maximum power: ≤86W 04. Operating temperature: 0-35 $^{\circ}\mathrm{C}$

05. Operating humidity: 20%-90%, no condensation

06. Storage temperature) -20-60 C

07. Storage humidity: 10%-90%, no condensation

13. HDMI input: HDMI 2.0×2/available for 4K@60Hz

03. Standby power: ≤1W Electrical parameters:

01. View distance: 60cm-130cm

02. Optimal view angle: 50° (horizontal)

04. Grating technique: Lenticular grating

05. Mask identification: Available (blue, white and green)

03. Human eye tracking: Available/Available for mask and surgical cap

Of. Mirror image function: Available (one-key switch between upper and lower jaws)

Of. Mirror image function: Available (one-key switch between upper and lower jaws)



TME Training Microscope Surgical Microscope

- Magnifications: Zoom Manually
- Eyepieces: 12.5x/18B (Aperture: 18mm)
- Binoculars: 0~210° inclinable
- Objective lens: f=200mm-400mm
- Build-in 4k camera system
- Illumination: LED
- Stand system: Tabletop, Table clip mount





Introduction

▶ In Q3 2018, Bondent formed a strategic alliance with the Chicago based XPI Co. to proudly present the state of art Bondream® 3D-1020 dental CBCT. With its superior image quality and metal artifact reduction capability, Bondream® 3D-1020 wowed the users in many markets.

Developed by XPI intelligent medical imaging laboratory in Chicago, IL, USA



Bondream 1020 Family

S Bringing digital dental workflow into a new level.







Bondream 1020MS

Single 18×10 cm scanning makes more diagnosis possible.

They bring you unsurpassed images, friendly operation experience. Advanced design makes a smooth workflow for your clinic needs.











Multiple FOV selection, there are always right solutions.



Smart *3-in-1* imaging system

Reliable solution for your diagnosis and treatment plan



Bondream 1020 integrates Pano, 3D CT and cephalometric projections

• The AI technology helps solve clinical issues with smarter images.

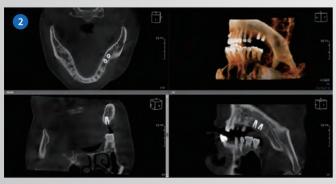
In a single scan, Bondream 1020 can generate 21 different focal layers to export the best one that suits your diagnostic needs.

2 The integration of axial, coronal and sagittal slices makes visible every corner of the patient's anatomy – both hard and soft tissues.

Multiple modules on the On-Demand software provide practical tools for diagnosis and treatment.

3 The extremely-smart cephalometric technology allows improved orthodontic applications.



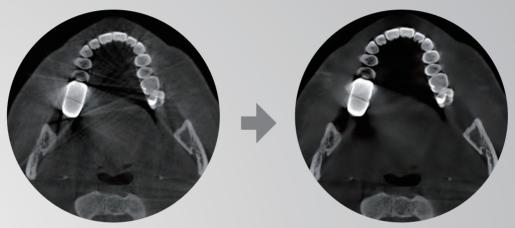




Intelligent Solutions for Exceptional Images

The core algorithms team from US XPI Intelligent Medical Imaging Research and Development Laboratory guarantees an ideal imaging geometry, perfect usability and crystal-clear images free from artifacts and noise affection.

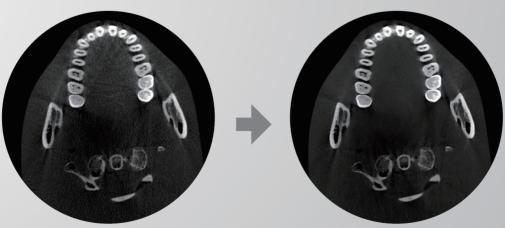
Metal Artifact Reduction



Without artifact removal

With the 1020 artifact removal algorithms

Noise Reduction at Low dose



Low dose

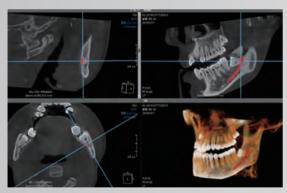
After Noise Reduction

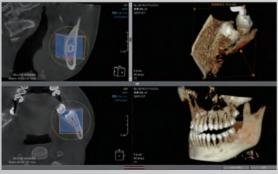
Grasp details in dynamic

Studying the curvatures 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 compared with traditional panoramic images.

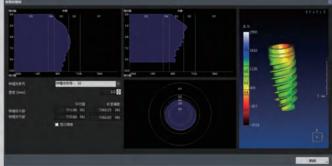






Complicated Impacted-Teeth Checking

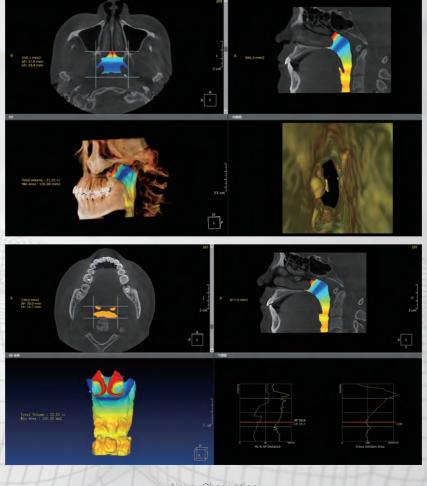




Restoration-oriented Implant Simulation



Bilateral TMJ Evaluation



Airway Observation

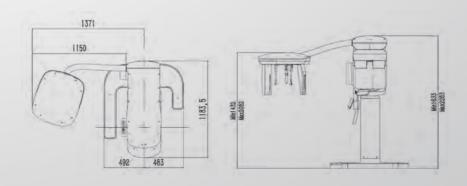
Professional Cephalometric Measurement Software



Technical Specifications

Model	Bondent 1020S	Bondent 1020E	Bondent 1020MS
Field of View	16 x 8cm	16 x 8cm	18 x 10cm
Camera Mode	CT, Pano, Ceph	CT, Pano	CT, Pano, Ceph
Sensor Type	CT, Pano (CMOS), Ceph (CCD)	CT, Pano (CMOS)	CT, Pano (CMOS)
Detector Switching Mode	Automatic	/	Automatic
Patient Positioning	Standing/Seated/Wheelchair Accessbile	Standing/Seated/Wheelchair Accessbile	Standing/Seated/Wheelchair Accessbil
Pixel Value	70um, 100um, 150um, 200um, 250um, 300um	70um, 100um, 150um, 200um, 250um, 300um	70um, 100um, 150um, 200um, 250um, 300um
Spatial Resolution	≥1.8lp/mm (CT and Panoramic mode), ≥2.0lp/mm (Cephlo Mode)	≥1.8lp/mm (CT and Panoramic mode), ≥2.0lp/mm (Cephlo Mode)	≥1.8lp/mm (CT and Panoramic mode), ≥2.0lp/mm (Cephlo Mode)
Gray Scale	14bit	14bit	14bit
Reconstruction Time	Less than 60s	Less than 60s	Less than 60s
Focal spot	0.5mm	0.5mm	0.5mm
Exposure Time	CT: 8s or 24s; Pano: 14s; Ceph: 4.2s or 8.4s	CT: 8s or 24s; Pano: 14s;	CT: 8s or 24s; Pano: 14s; Ceph: 4.2s or 8.4s
Work Station PC	Model: Hp workstation Graphics card: GTX1660 (6G only) Monitor: HP 23.8", 1920×1080 resolution Operation System: Windows 10 64 Workstations ASIA CPU: i5 Memory: 16GB DDR4 2666 DIMM ECC Registered Memory Hard Disk: 1TB 7200RPM SATA 3.5in, 256G SSD Drive: 9.5mm DVD-Writer 1st ODD Keyboard: Business Slim PS/2 Wired Keyboard PRC Mouse: HP Optical USB Mouse	Model: Hp workstation Graphics card: GTX1660 (6G only) Monitor: HP 23.8", 1920×1080 resolution Operation System: Windows 10 64 Workstations ASIA CPU: i5 Memory: 16GB DDR4 2666 DIMM ECC Registered Memory Hard Disk: 1TB 7200RPM SATA 3.5in, 256G SSD Drive: 9.5mm DVD-Writer 1st ODD Keyboard: Business Slim PS/2 Wired Keyboard PRC Mouse: HP Optical USB Mouse	Model: Hp workstation Graphics card: GTX1660 (6G only) Monitor: HP 23.8", 1920×1080 resolutio Operation System: Windows 10 64 Workstations ASIA CPU: i5 Memory: 16GB DDR4 2666 DIMM ECC Registered Memory Hard Disk: 1TB 7200RPM SATA 3.5in, 256G SSD Drive: 9.5mm DVD-Writer 1st ODD Keyboard: Business Slim PS/2 Wired Keyboard PRC Mouse: HP Optical USB Mouse
Software	Workstation Program		
	Bon-Master (Image management); Bon-Capture (Patient scanning); OnDemand3D™ (3D post-processing)	Bon-Master (Image management); Bon-Capture (Patient scanning); OnDemand3D™ (3D post-processing)	Bon-Master (Image management); Bon-Capture (Patient scanning); OnDemand3D [™] (3D post-processing)
	Embedded Program		
	Bon-Touch (Touchscreen)	Bon-Touch (Touchscreen)	Bon-Touch (Touchscreen)
Installation	Upright	Upright	Upright
Minimum available work space requirement (mm)	1933(D) 1304(W)* 2292(H)	1134(D) 1304(W)* 2292(H)	1933(D) 1304(W)* 2292(H)

The data are subject to change without notice.





Introduction

▶ Located in China's dental valley, Sichuan Bondent Dental Equipment Co., Ltd is a high-tech enterprise dedicated to the research, development, manufacture and sales of dental equipment. It is part of the Shanghai Bondent Group.

Bondent owns E classic series and S high-end series, which makes dental consultation convenient and comfortable.

Speciality casting quality.
Details showing stylish.



Bondent Dental Chairs: A Good Communication Environment

Doctors Oriented-The handy operation of the unit creates a comfortable workplace for treatment.





Dual master control system

Two separate control panels located at doctors and assistants' position to ensure seamless synergy between the operators.

LED surgical lighting

Professional surgical lighting with only 6-7mm shadow area, satisfies illumination in the field of view.

Ergonomic design

Ergonomic waist support provides a more stable and comfortable movement.



S-500
Integrated Dental Unit

Simple

Dual touchpads with integrated programming simplifies chair operation to increase efficency.

Smart

Chair movement is synchronized with natural motion of the patient through meticulously-structured virtual pivot.

Stylish

Chic and ergonomic design provides ample legroom for dentists and assistants.









S-500

Integrated Dental Unit

Doctors Oriented-The handy operation of the unit creates a comfortable workplace for treatment.

Dual master control with multiple functions.

Touch-type control panel with simple and visualized diagrams. Chair with 9-position memory program (3 groups of 3-position memory program.; mouth-rinsing position x 1; emergency position x 1; reset of chair position x 1)

Constant-temperature water for mouth rinsing; Display of water ing time and mouth-rinsing time;

Display of failure alarm; The control system has failures self-checking function when the unit is turned on. When a failure occurs, the system will sound the alarm, and the error code will be displayed on the control panel.

Linkage function for operation lamp, chair and bowl rinsing. Doctor's operation instructions are performed instantly, and thus work efficiency is improved.

Camera system can be installed on the LED operation lamp to provide for doctors high-definition image and high magnification for minimally invasive surgery.

Safety Guaranteed and Risk Avoided.

The pipeline disinfection system of strong and weak suction and delay control can effectively avoid cross infections.

Sensitive safety protection device-When the unit runs into an obstacle, press any button for a rapid emergency shutdown.

Chair-Instrument interlock function-When an instrument is working, the motion of the chair is locked for the avoidance of accidental injury caused by false movement of the chair during treatment.







1 Ergonomic Chair Design

The chair designed based on human body data is in line with the human body curve.
The convex waist design can bring a stronger lumbar support to the patient, providing a comfortable experience for to the patient.

2 Folding Leg Cushion

The ultra-low chair position with folding leg cushion and an initial height of only 450mm is convenient for patients to get on and off the chair, especially for the elderly, children and physically challenged people.

Stretchable double-joint headrest





A Good Communication Environment

Doctor-patient communication

The chair that can rotate by 90 degrees creates a good communication environment for doctors and patients, which helps build up mutual trust. Face-to-face communication can reduce the tension of patients.





Humanized lighting design improves efficiency.

The three-axis rotatable LED operation lamp can be accurately located at any angle and position and provide a good lighting effect for the treatment area. The flexible mobile lamp head is convenient for doctors to operate, and the light can reach any position and angle the doctors need.

Rectangular light spots evenly distributed; Good shadowless effect with neat edges.

Digital display; Camera system can be installed on it to realize remote diagnosis and treatment and digital teaching.

Illumination Adjustment Range:7000-120000LX

Color Temperature Adjustment Range: 4000-5500K

Safety Ensured by Disinfection&Infection Control

Infection Prevention and Control from the Outside of the Unit

The smooth and uniform outer surface is easy for cleaning, which effectively guarantees the control of external infections.
Surface materials and coatings are corrosion-resistant and wear-resistant. It is easy for cleaning and disinfecting the surface of the product.

One-button operation. The disinfection process is completely automated

The waterway disinfection of all the instruments on the instrument rack is ensured.

There's a light indicator during disinfection.

Anti-drawback System

The anti-drawback system prevent the handpiece from internal contamination, which can help protect patients from cross infection.





Technical parameter

Power Voltage	220±10 V
Supply Frequency	50 Hz
Water Inlet Pressure	200-400 Kpa
Air Inlet Pressure	500-700 Kpa
Air Flow	≥50L/min
Weight	200 Kg

Disinfection System for Strong & Weak Suction (Optional)

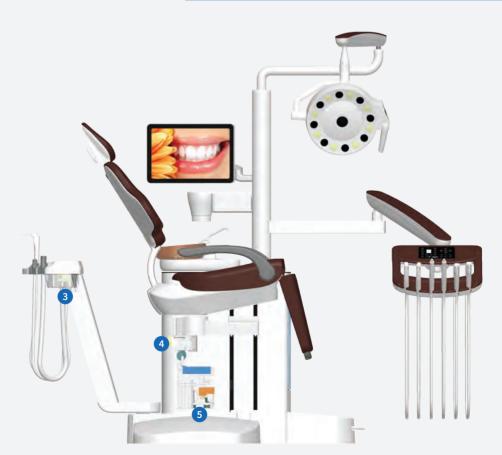
The strong and weak suction can be turned off with a delay of 5 seconds to ensure that the saliva in the pipes is completely drained away, which helps effectively prevent cross-infection. During the suction process, the non-corrosive disinfectant solution will effectively disinfect and sterilize the suction pipes.

Suction System for Spittoon (Optional)

The water-level sensing suction system can solve the problem of poor drainage of water of spittoon.

5 Disinfectant water System (Optional)

The disinfectant water system provides sterile water source for dental treatment and avoids wound infection.



PRAISE FOR SIMPLICITY



№ E-200

Integrated Dental Unit

Operator-oriented

Comfortable treatment environment

Ultra-thin cushion and upper narrow design enable the doctor to get close to the patient and obtain a more comfortable working position.

Application of space geometry, combined with compact sidepod, instrument tray; E200 has a better sense of space, providing doctors and assistants with good FOV and operating space.

Safer and more convenient

Reliable light sensing touch button, multi-key composite linkage, dual-master control design and four-point design make the operation easy. Super-short strong and weak straw design makes the assistant operation easier and more convenient.

External super-large filter design to ensure suction more efficiently and easy to maintain and clean.

Comfortable visiting experience

Ergonomic chair allows patients to get effective support at the waist.

High cushion pivot point and rotation design: it is closer to the point of rotation of the hip joint, reducing the discomfort caused by the rotation of the cushion.

Thoughtful support environ-

More space for assistants to help doctors with four-handed operation. Combined paper cup and paper towel design and the button of rinsing located above cuspidor make it convenient for patients to take by themselves, thus reducing the workload of the assistant.





The temperature of mouthwash can be adjusted; Three groups of 9 memory chairs position; the multi - functional linkage of light, chair, cuspidor; Interlock between handpieces

6 Rotating cuspidor

150° rotating, it can be rotated to the appropriate location for the patient to spit;

Easy to disassemble, can undergo 360° disinfection;

Independent button is convenient for patients to gargle and rinse; Transparent glass cuspidor with high temperature coating is exceptionally hard and smooth, highly wearable and scratch resistant.

6 Salivary filter

located on the side of the assistant shelf, convenient to change and clean; The strong and weak straws from the side of the assistant shelf make them shorter, reduce discomfort to nurses and patients

Polymer sidepod

Sidepod design is compact and simple, making full use of the operatory space; It's durable and never fades.

8 Patented design paper towel box

Can rotate freely, and it is convenient and smooth to take the last piece of paper towel without affecting the work of doctors and assistants; Flat upper cover design allows place small items on

Ouble joint assistant rack

The wide-degree rotation and small sidepod provides enough operating space for the assistant to the four-handed operation; Flexible in rotation, easy for the assistant to localize.



DESIGN

Specifications

Method of transportation	Hanging
Voltage	100VAC, 115VAC, 220-240VAC
Supply frequency	50/60Hz
Inlet water pressure	200-400Kpa
Inlet air pressure	550-800Kpa
Weight	180 Kg
Mounting	Floor mounting
Color	White (RAL9016)



It can be equipped with a microscope for micro-treatment.



• The switch, color temperature and illumination

• Color temperature range: 4000-5500k(7 steps);

• The handle can be removed for disinfection;

• Digital display of color temperature and illumination;

can be controlled by touch;

· Camera system can be added; • CRI(color rendering index) Ra>90.

• Illumination range: 7000-56000lx;

Lighting Option



LED-ZZ02 (optional)

- The switch, color temperature and illumination can be controlled by touch;
- Illumination range: 10000-120000lx;
- Color temperature range: 4000-5500k(7 steps);
- Good shadowless lighting effect
- Digital display of color temperature and illumination;
- The handle can be removed for disinfection;
- Camera system can be added;
- · CRI (color rendering index) Ra>90.



LED-FSM (optional)

- The switch, color temperature and illumination can be controlled by touch;
- Illumination range: 7000-32000lx;
- High color temperature (5500k), low color temperature (4000k);
- It has the function of blue light cutoff (prevent premature setting of resin materials); The handle can be removed for disinfection.
- Mental frame
- CRI (color rendering index) Ra>92.



LED-FSH (E200A/C standard)

- The switch, color temperature and illumination can be controlled by touch;
- · Illumination range: 7000-32000lx;
- It has the function of blue light cutoff (prevent resin solidified);
- The handle can be removed for disinfection.



Bondent **Aligner**

Introduction

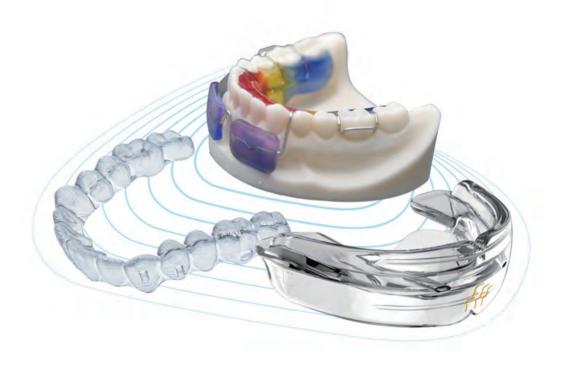
Tr.Kelier Aligner Technology (Changzhou) Co., Ltd. is a subsidiary of Bondent Dental Group. The **Bondent Dental Group is commit**ted to providing "integrated services" to dental care institutions. From the introduction of foreign high-level technology to domestic indepen-dent research and development and manufacturing, the Bondent is committed to creating a new and healthy oral health ecosystem through 'industry + internet', to improve Chinese oral health technology and industrial level, to help dentists get achievement, to protect the oral health of 1.3 billion Chinese.

The headquarter of Dr.Kelier
Aligner is located in Shanghai,
which has a professional medical
service center, software R&D
center, customer service center
and operation service center. Its
production R&D center is located in
Changzhou West Taihu Industrial
Science and Technology Park, the
market network is throughout the
all over the country. Dr.Kelier
Aligner is committed to providing
high-quality invisible correction
solutions for global users,
continuously improving users'
experience and creating a better
smile for you.



Dr.Kelier Aligner Innovative Aligner and Service System

Orthognathic Management Solution



What is the Comprehensive Orthognathic Management Solution?

Comprehensive Orthognathic Management Solution for children and teenagers includes early management of the Maxillofacial region and alignment of permanent teeth after completion of the teeth eruption phase. Through assessment, we aim to combine functional treatment with invisible orthodontics, optimizing natural realignment forces with those that are artificially applied in a beneficial and specific method, to achieve the earliest correction of malocclusion.

Bondent Aligner





Dr.Kelier Aligner · Optimized Single Diaphragm Edition

- Made with high quality diaphragm supplied by Bay Materials. (USA)
- Diaphragm possessed qualities of extended stress duration, and strong resistance toward tearing.
- Extremely resistant to color staining.
- Provide beneficial and specific correction force in every step of orthodontic treatment.
- Maintains high permeability throughout.
- Optimizes treatment through combining natural realignment forces with those that area rtificially applied in a beneficial and specific method.
- Classic Single Diaphragm Invisible Aligner.
- Optional bite protector depending on treatment needs.

Dr. Kelier Innovative Aligner and Service System

First, the natural orthodontic force is used to coordinate and balance the jaw, muscle and dentition relationship.

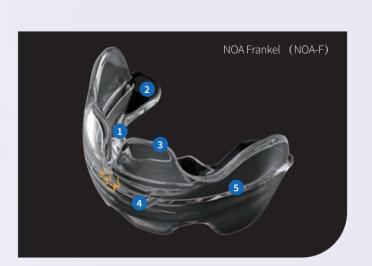
Then the precise orthodontic force is used to complete the innovative treatment method and concept of treatment.



Natural orthodontic force



Natural orthodontic force



1 Teeth channel

The active elastic anterior channel from 3-3 designed to align the front teeth on both arches.

2 Biteplate

The anterior biteplate designed to correct overbite, and the thicker biteplate on molar area induces the development of spee curve and allows a relief on condyles.

3 Lip pads

Four tear drop shaped pads reduce labial muscular interference increase saggital arches development and stimulate bone formation.

4 Air tubes

The two air tubes facilitate breathing and keep oral comfort.

5 Vestibular shield

Vestibular shield reduce labial and buccal muscular interference, increase arches development and induce proper tooth position.





Introduction

Along with the development of implant dentistry, we have realized the importance of implant positioning. The iEZguide Implant Guide System is designed by the R&D team led by Professor Hom-Lay Wang from the University of Michigan, USA.

This innovative continuous semi-circular Implant Surgical Guide System is compatible with most of the implant systems available on the market. It is the best choice for implant dentists considering its multiple advantages, such as simple operation, accurate positioning, good visibility, reduced mouth-opening requirement, easy-to-use feature, shortened operation time, and low

An implant guide that can be completed by the dental chair in 30 minutes.

iEZguide: Surgical guide system

- Dental drill DLC diamond super-hard coating
- Medical grade materials
- Not sterilized
- Sterilized at 134°C for 18 min



SIMPLE, SMOOTH AND SAFE

iEZ Dental Implant System

2 A simple, efficient solution for every indication.



Single Connection

Reduce inventory levels Simple selection.



prevent crestal bone loss. increase the volume of soft tissue around the implant platform, helping to improve the esthetic end result.

Smooth Collar

To prevent peri implantitis.

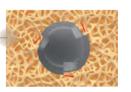
Double Tapered Thread

Secures early fixation even for and alveolar socket or parts with weak bone quality. Acquires higher primary stability

Acquires higher primary stability through a wedge action even with an additional half turn.

Self Tapping Apex

To improve fixation for immediate to adding and placement.





Bone Level Design, used on the Anterior



Tissue Level Design, used on the Post erior



Bone Level Design, used on the Narrow anterior ridge

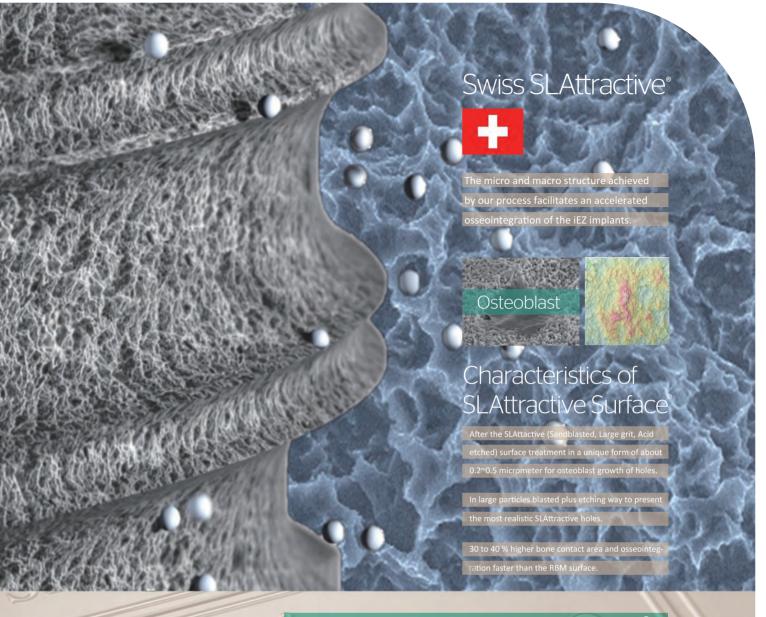


Used on the Overdenture





Patented Multifunctional Mount
Designed Not Only For Surgery But
also For Prosthesis



Grad 4 Pure Titanium PURCOLROLL®

iEZ implant are made of biocompatible medical Grade 4 Titanium. The specific Titanium used by iEZ was chosen due to its superior properties including high strength to weight ratio, very high corrosion reistance.



1,120 MPa 100% stronger than ASTM

Purcorall Titanium

Properties Advantages

Tensile strength	1,120 MPa	Extremely high strength / weight ratio
Elongation	17%	Improved ductility and fracture toughness under
Oxygen content	0.4% maximum	static and dynamic loads
Biocompatibility	Excellent	Direct structural and functional connection between bone and implant surface

DENTAL SIMULATION PRACTICE SYSTEM







One key expands to the working position, one key returns to the original position, which is convenient for operation.

Electric elevation head die for key press and electric elevation head die for key press.

The range of illumination adjustment is less than 8000lux and the maximum is more than 30000lux. The color temperature adjustment is divided into 4000K and 5500K.

Fast pitch design of die movement, which can quickly adjust the angle of die.
Doctor's hanger and assistant's hanger keep the distance from the head mould at any position, so that students can get medical instruments at any time.





Dental Simulation Practice System

▶ Realistic and perfect equipment, practice and efficient learning.

Dental Simulation Practice System is practice equipment, which used for dental school, universities and oral medicine specialized student before clinical practice teaching simulation. During this simulation environment,

the students can know and control clinical operation technology of oral courses as early as possible, also help them to get familiar with clinical teaching environment.

