

Better Dentistry, Better Life

Product
Catalog
2026



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Bondent Group is a platform that provides "integrated services" for the dental profession. From education and training of doctors, introduction of foreign cutting-edge technology, to domestic independent research, development and manufacturing, the company is committed to creating a new and healthy dental-medical ecosystem through seamless integration of physical and virtual presence, thereby, improving the quality of personal and professional lives of dentists around the world.

📌 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: Semor microscope, CBCT & dental unit as well as consumables like UDG endo files, IEZ implants and Dr. Kelier Invisible Aligner.



Introduction

🕒 Bondent has been dedicated to the development of CBCT technology since 2012. With the Bondream series, Bondent offers a comprehensive product lineup—from entry-level to premium models—designed to meet a wide range of dental clinical needs.

As a leading innovator in the dental imaging field, Bondent combines over a decade of expertise in R&D, manufacturing. With a vision centered on dental digitalization, Bondent integrates advanced AI algorithms, precision imaging technology, and intelligent software, delivering cutting-edge digital solutions that empower dental professionals with greater diagnostic accuracy, enhanced communication, and improved treatment efficiency.

**One Day,
Every CBCT
will be Built
like THIS!**



Bondream 3D-1020MS

Bondream 3D-1020MS

Step into a world with 3D images, 1020MS provides all-in-one imaging solutions. The system was designed to offer high-quality images, digital workflows, and enhanced operational efficiency. With AI-powered software, we aim to empower professionals to achieve efficiency in multiple diagnoses and treatments while delivering the highest standard of care to their patients.

📌 Empower your practice with confidence

1 Comprehensive Diagnostics

An 18x10 cm field of view enables the capture of extensive anatomical regions in a single scan, making it ideal for comprehensive evaluations that require analyzing relationships between various structures.

2 Latest Bon Technology

The 1020MS integrates premium hardware with advanced algorithms to deliver exceptional performance and reliability.

3 Intelligent AI-Powered Software

The system offers a complete software solution, from 2D to 3D, with an intuitive user interface and a full range of clinical diagnostic and treatment tools, designed for seamless and efficient care.

4 10-Inch Touch Console

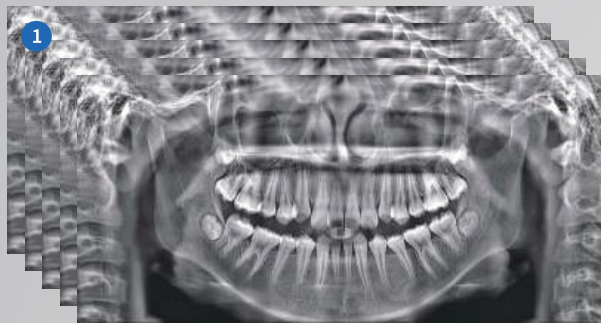
The console facilitates real-time interaction, enhancing user experience and improving operational efficiency.



Image Solution in One Unit

Reliable solution for your diagnosis and treatment plan

- ➔ **Bondream 3D-1020MS integrates versatile panoramic, 3D and cephalometric imaging for a variety of clinic applications**

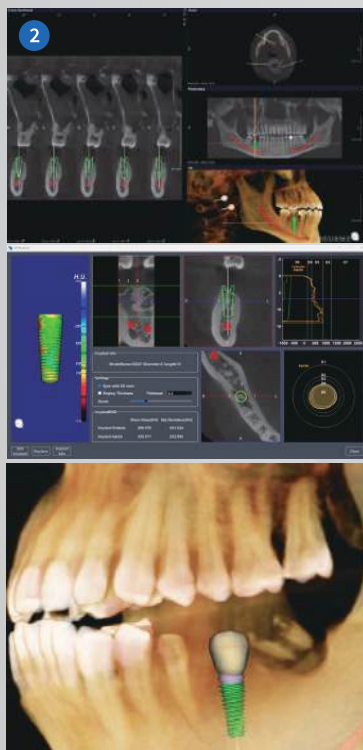


1 PANO MODULE

Use advanced reconstruction algorithms, the redefined pano images upgrade the 2D quality into a new level.

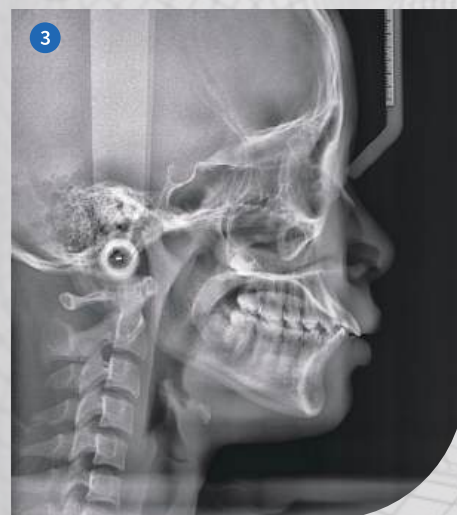
2 CBCT MODULE

The high-resolution 3D imaging is perfect for detailed and comprehensive observations. One scan eliminates the need for unnecessary patient exposure.



3 CEPH MODULE

The 1020MS provides lateral, frontal and carpus projections. Together with BonCeph software, we are making the cephalometric measurement more accurate and easier.



Consistent innovation for your clinical confidence

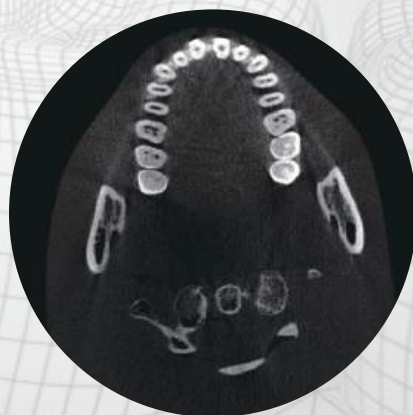
📌 Bon MAR Technology

The iterative Bon MAR algorithm can effectively reduce artifacts caused by implants, ceramic crowns, and metal brackets, releasing the uncertainty for complicate diagnosis.

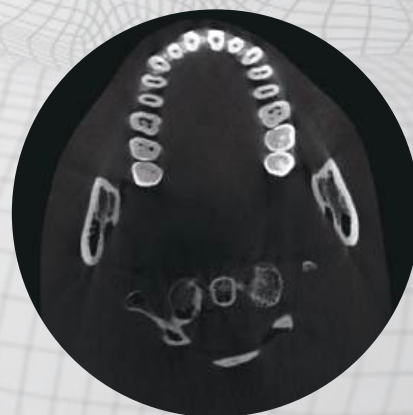


📌 Bon Noise Reduction

Bon algorithm reduces noise while preserving real details. The minimum reconstructed voxel size can reach 70 microns.



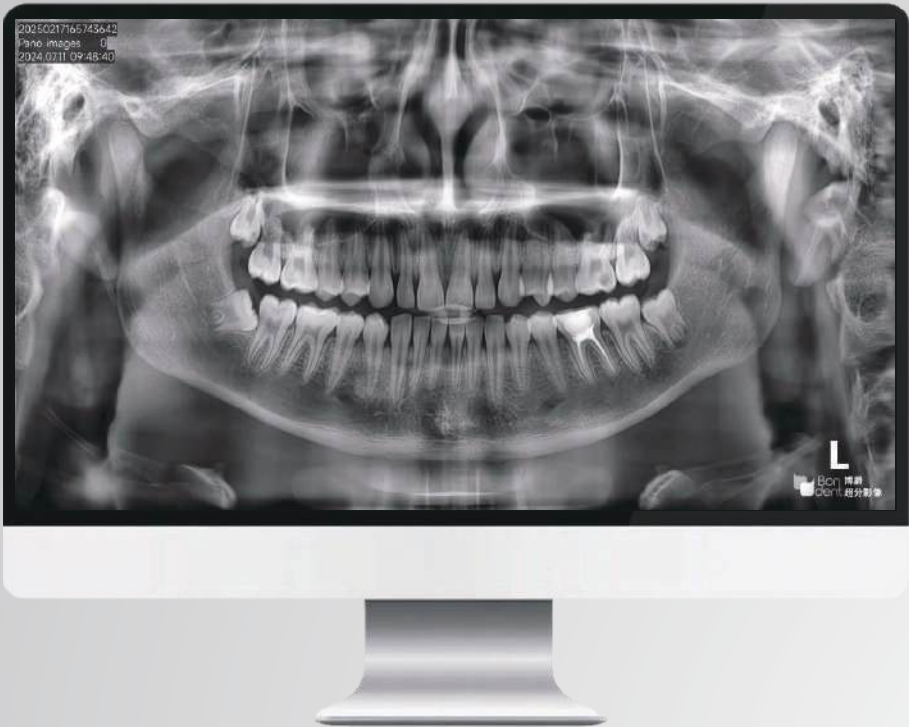
Without Noise Reduction



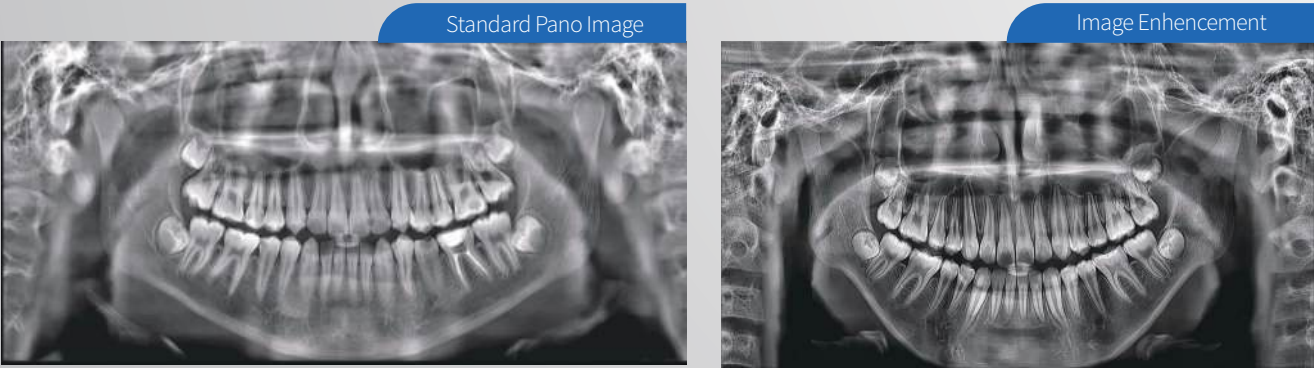
After Noise Reduction

Multilayer Focusing Panoramic Technology

The system captures clear images at various depths, ensuring optimal image quality across all regions of the panoramic view, providing fast and easy diagnosis.

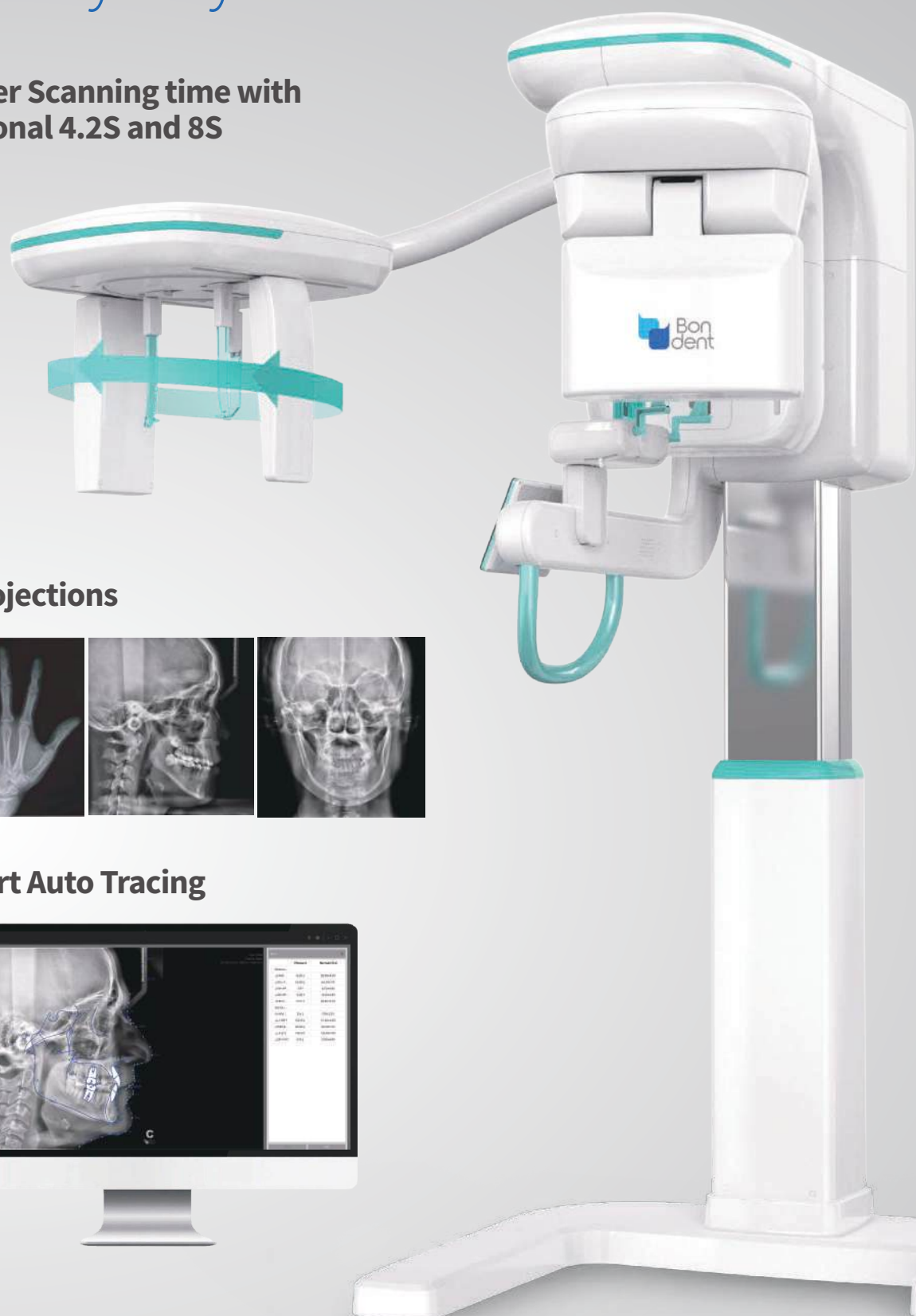


Adaptive Pano Images, Right for Each Needs



Enjoy Multiple Ceph Scan at Easy Way

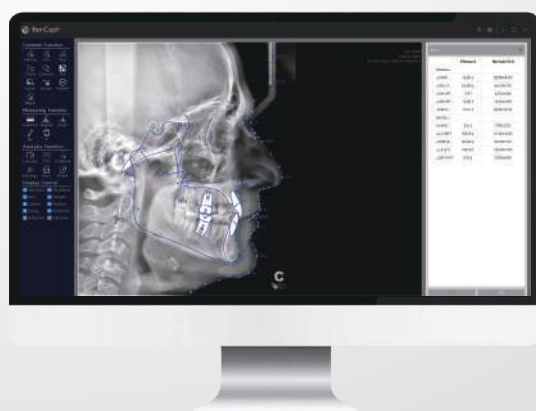
- **Faster Scanning time with optional 4.2S and 8S**



- **3 Projections**



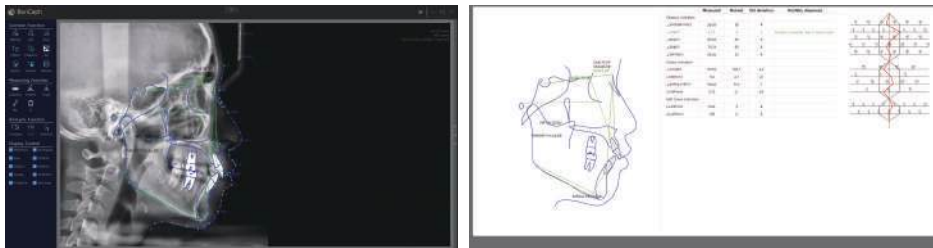
- **Smart Auto Tracing**



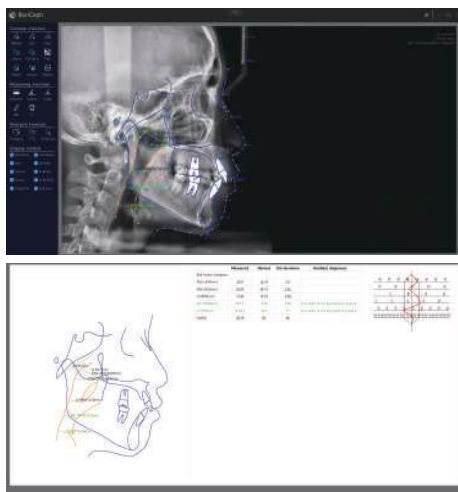
Auto-cephalometric measurement makes orthodontics easy never before

- 📌 **BonCeph is a professional orthodontic software equipped with AI-powered cephalometric analysis, VTO (Visual Treatment Objective), bone age assessment, and comprehensive profile and facial analysis tools.**

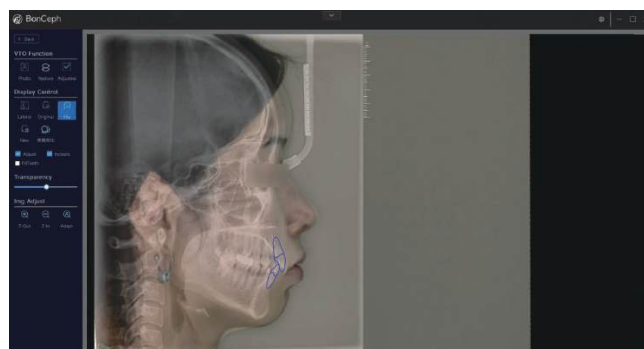
The software can automatically recognize orthodontic anatomic landmarks and structures. It support more than 25 analysis needs(Steiner, Tweed, Jarabak, Wits)



Mark airway automatically.
Output the airway report just with one click



VTO function, intuitive simulation of the correction effect



Smarter Software

Bondream 3D

AI Post-processing Software, More Smarter, More Efficient, More Safer

- Automatic Mandibular Nerve Canal Tracing
- Intelligent Implant Simulation
- Data-Driven Airway Visualization
- Automatic Display TMJ

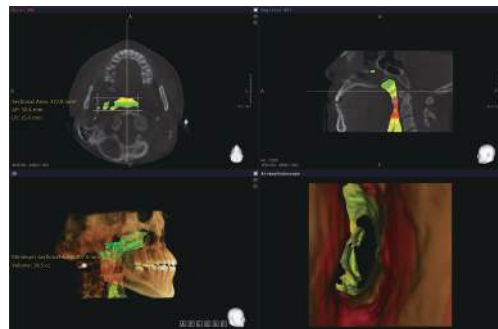
①



① MPR Mode

Trace the nerve canal in 3 seconds

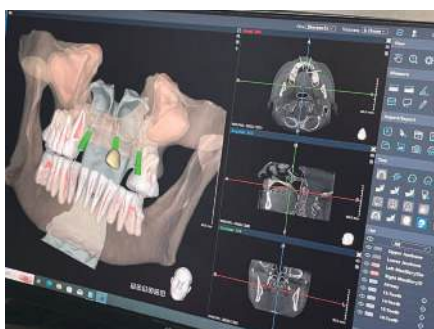
③



③ Airway Mode

Offer significant benefits in diagnosis, treatment, and surgical planning

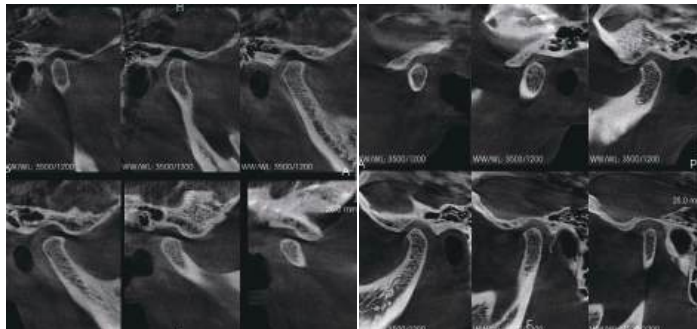
②



② Dental Mode

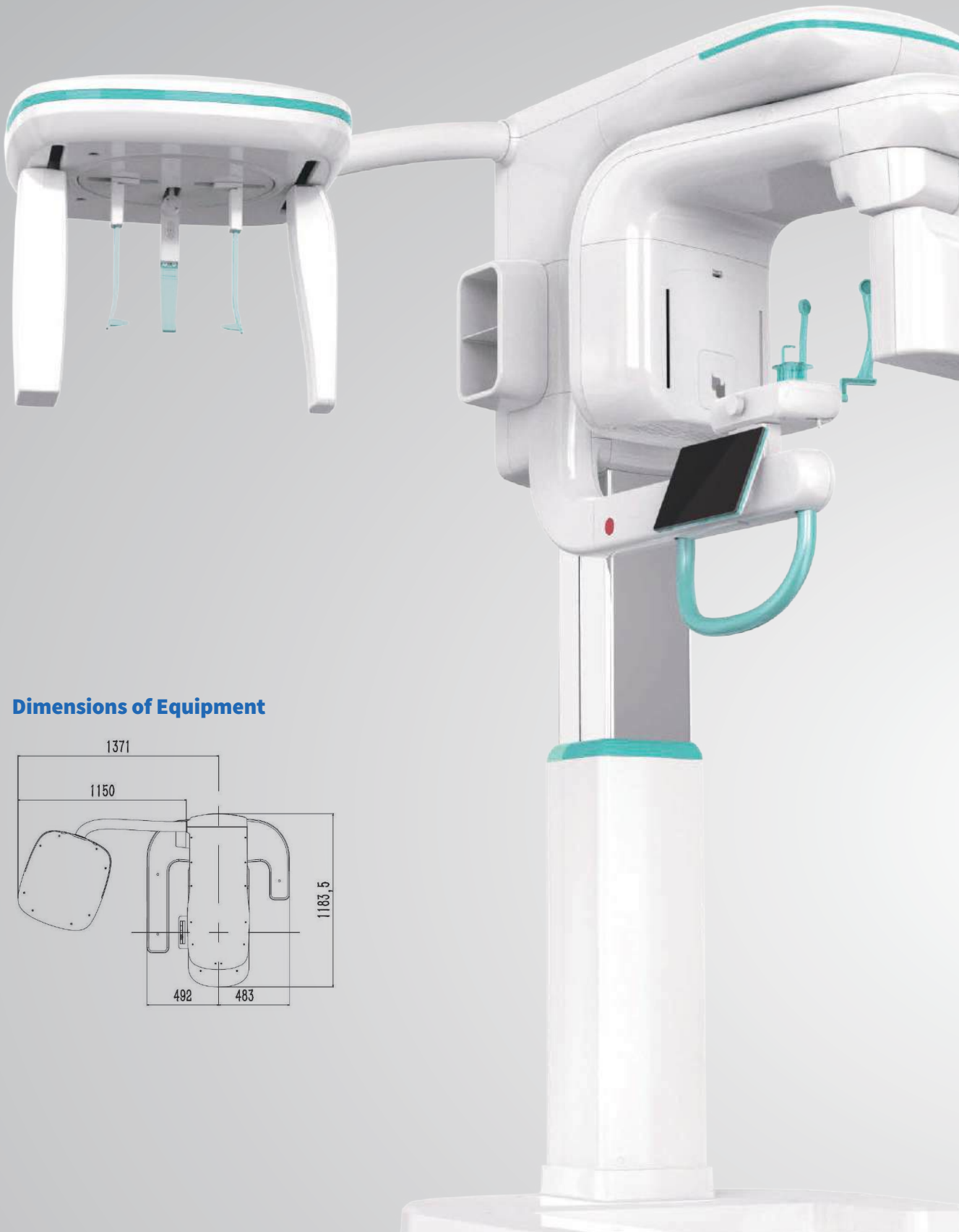
Verify implant planning process with bone density to make the surgery safer.

④



④ TMJ Mode

Display TMJ automatically, providing detailed and accurate views of the joints.

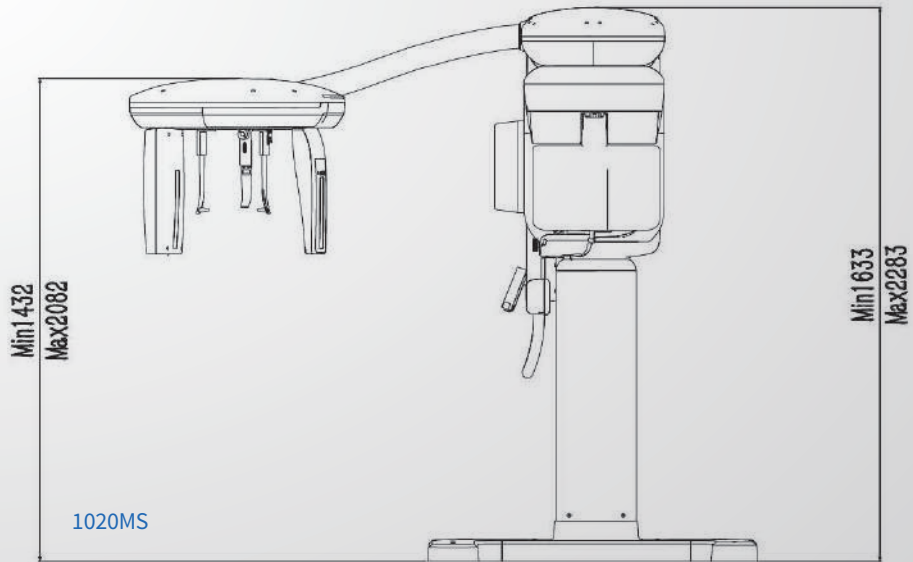


Dimensions of Equipment

Technical Specification

Model	1020MS
Function	CT, Pano, Ceph
Tube voltage	60-90kV
Tube current	4-10mA
Focal spot	0.5mm
Pano/CT detector	CsI+IGZO TFT
Ceph detector	CsI+CMOS
Detector switching mode	Automatic
Image acquisition	360 degree rotation
FOVs	18*10cm; 8*8cm; 5x5cm; 4x4cm
Voxel size for 3D images	70µm, 100µm, 150µm, 200µm, 250µm, 300µm
Pixel size for 2D images	100 µm
Spatial resolution	>1.8lp/mm(CT and Panoramic mode),
	>2.0lp/mm(Cephlo mode)
Grey scale	16bit
Scan time	CT:8s or 24s
	Pano:14s;
	Ceph:4.2s or 8.4s
Reconstruction time	≤60 s
Ceph scanning	Yes
Model scan	-
Intraoral X-ray unit	-
Pano AI report(BonDiag)	Optional
Implant mode	Yes
Endodontic mode	Yes
Vertical movement range(mm)	1642-2342
Column(height) movement range (mm)	≥600
Min. dimension in reset state (mm)	1886*1183*1642
Max. motion dimension after installation (mm)	1933*1304*2292
Required Min. dimension of installation area (mm)	1933*1304*2342
Net weight(kgs)	260
PACS	Yes

The data are subject to change without notice





➡ **Bondream 3D-1030Pro**

Bondream 3D-1030Pro

📌 All-Around Intelligence for Every Discipline



1 CBCT MODULE

With the integration of an advanced mechanical design and the 5th-generation imaging algorithm, the 1030Pro elevates 3D image quality to an entirely new level.

2 PANO MODULE

The 1030Pro was powered by exclusive panoramic imaging technology, delivers ultra-high-quality panoramic images with exceptional detail of oral and maxillofacial structures.



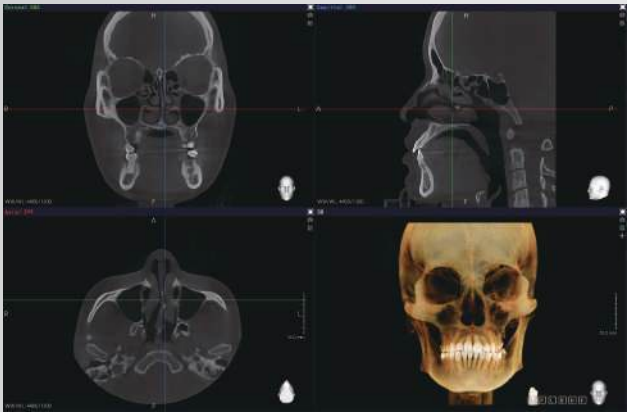
3 CEPH MODULE

The 1030Pro enhances Ceph imaging with powerful functionality, offering multiple modes to provide comprehensive imaging support for clinical diagnosis and treatment.



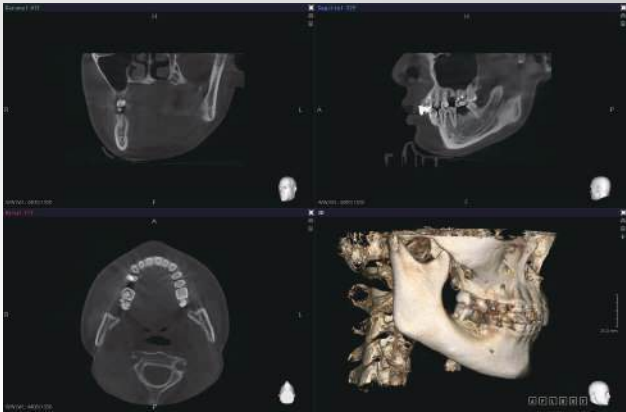
CBCT MODULE

Super large FOV: a broad range of FOVs for every diagnostic need.



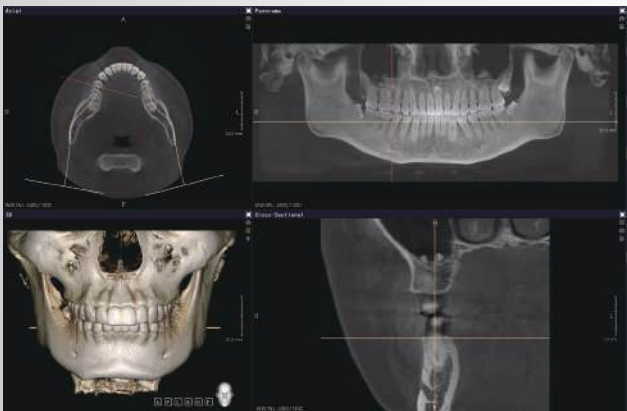
FOV 16 X 18 cm

Covering the entire dental-maxillofacial region, ideal tool for orthognathic surgery.



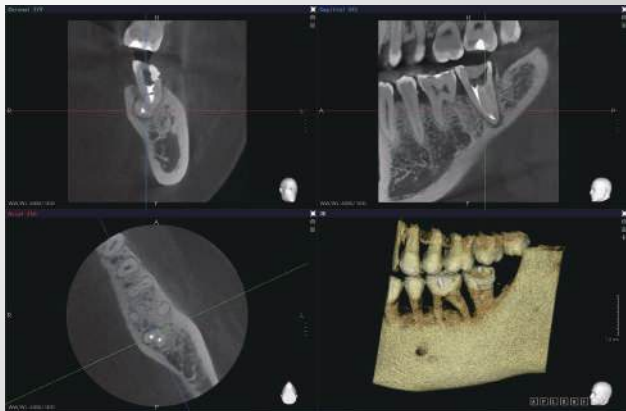
FOV 16 X 10 cm

Perfect for complete analysis of the full mouth, maxillary and mandibular structures, sinus and airway. Also both temporomandibular joints in a single scan.



FOV 12 X 8 cm

Diagnosis of upper and lower dentitions with precise checking of the surrounding bone.



FOV 5 X 5 cm

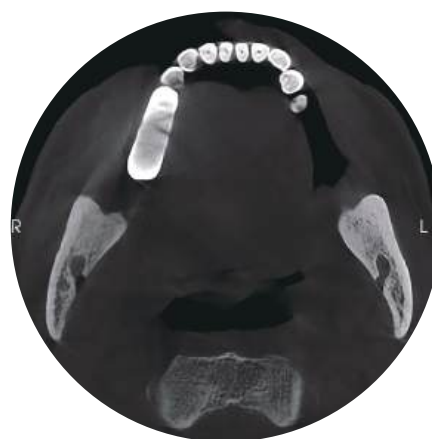
High resolution with voxel size 70 µm for examination of a specific region. Precise diagnosis for MB2, curved root canal, root fracture, apical lesion.

AT technology

The AT 4.0 algorithm enables significant reduction of metal artifacts.



Without AT



With AT

Low-Dose CT with AI Enhanced Signal-to-Noise Ratio

The images remain true to life and unchanged despite noise reduction.



Low dose image

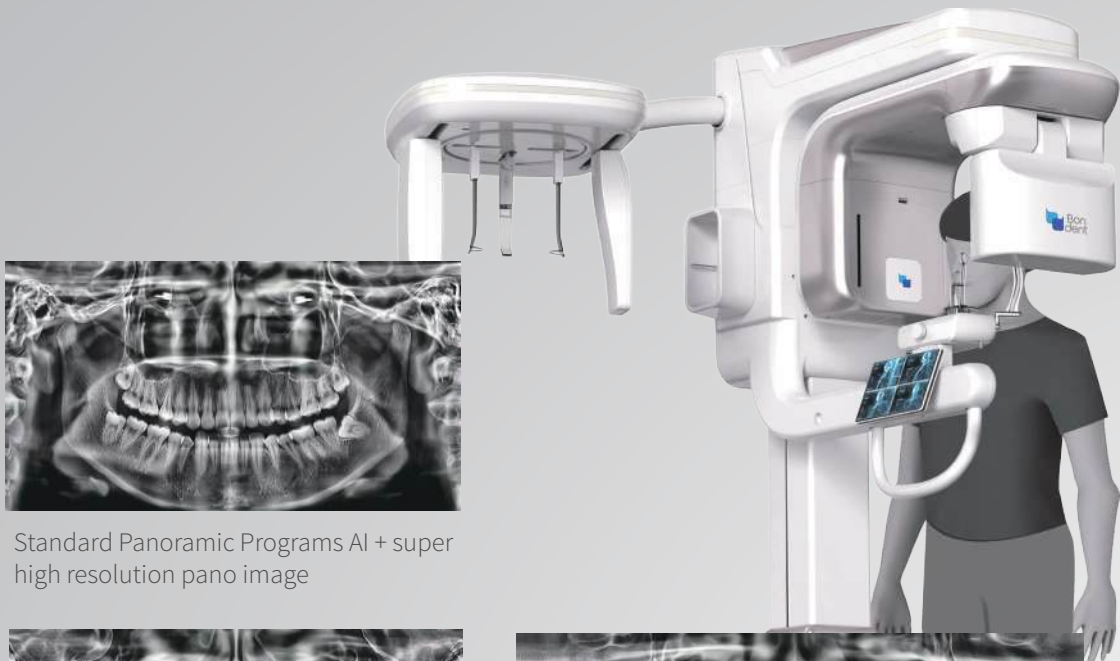


AI + Low dose image



PANO MODULE

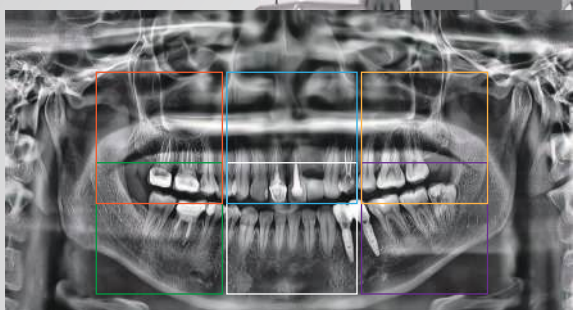
Standard Panoramic Programs, Paediatric Panoramic Program, Horizontal and Vertical Segmenting Program, TMJ Program



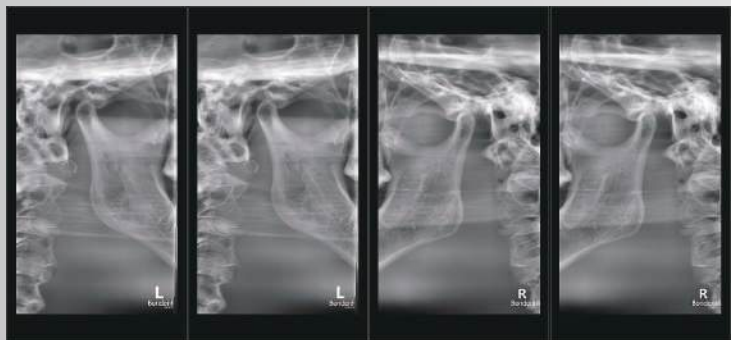
Standard Panoramic Programs AI + super high resolution pano image



Paediatric Panoramic Program Low dose primary dentition pano image



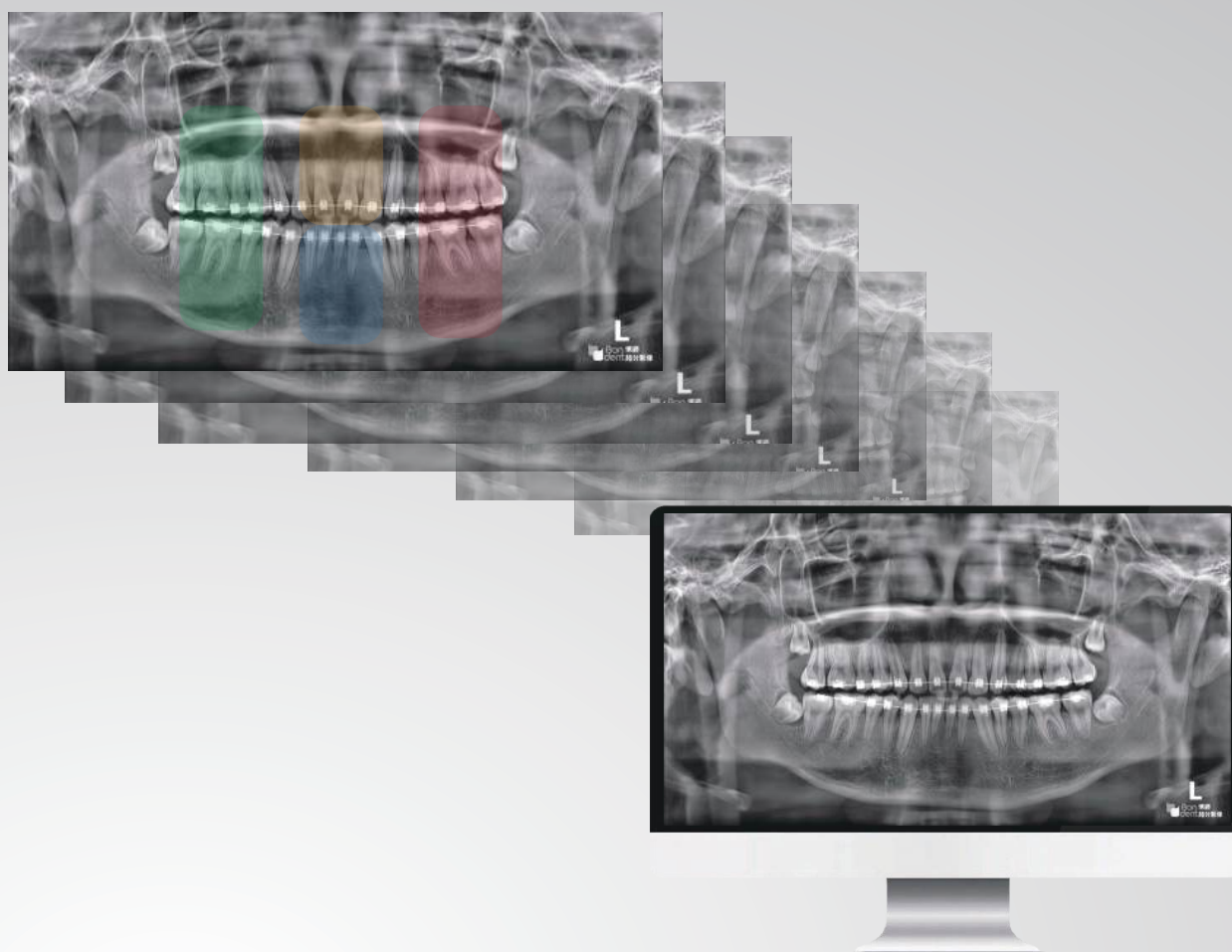
Horizontal and Vertical Segmenting Program Free zone selection for panoramic scan



TMJ Program LL or PA with open or closed mouth

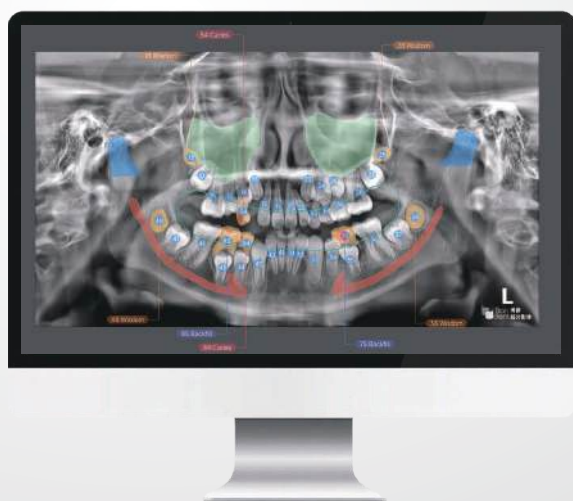
📌 Multilayer Focusing Panoramic Technology

Ensure optimal image quality across all regions of the panoramic view.

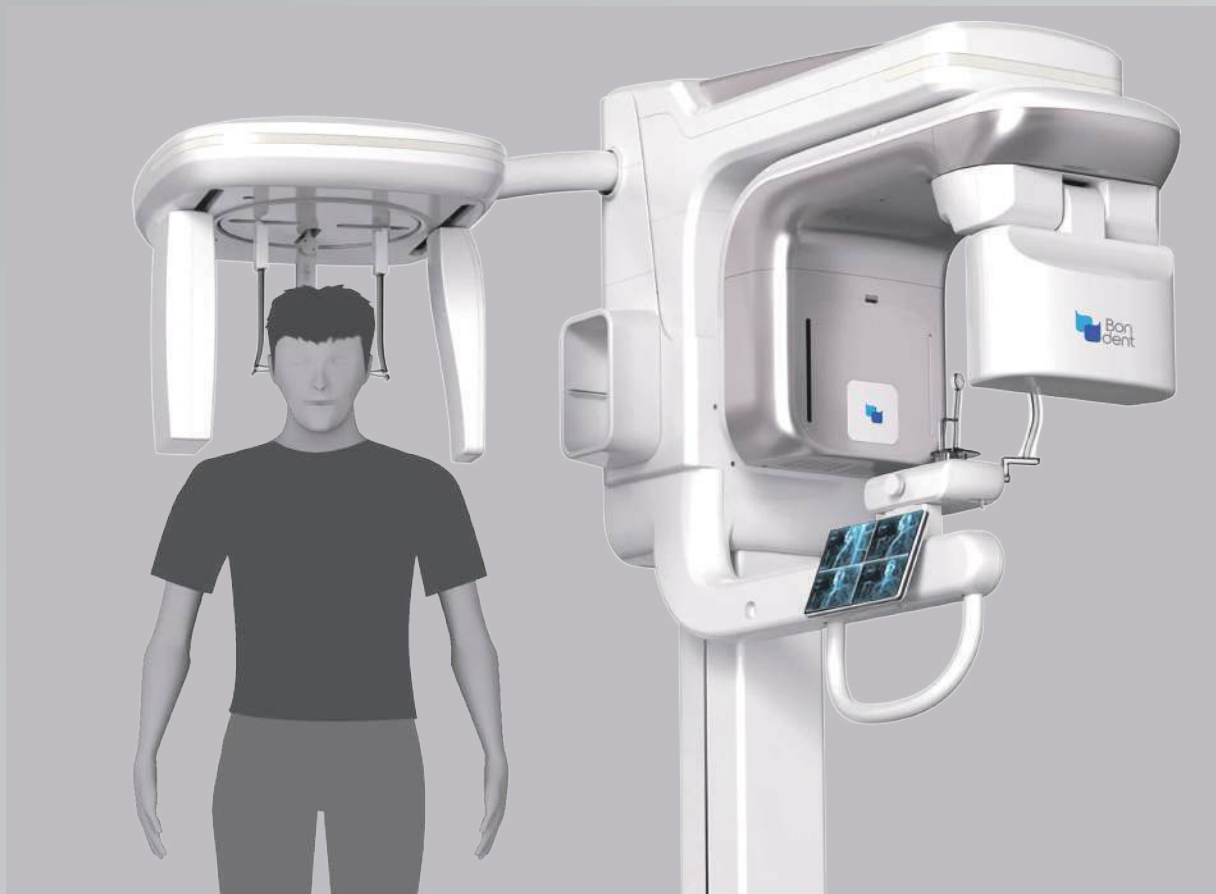


BonDiag: AI-powered Panoramic Analysis Report

With one click with AI for a few seconds, the Bondiag automatically identify conditions such as caries, cysts, and implant issues. It also provides progress simulation, delivering visual information to enhance communication between doctors and patients.



LA,PA and CARPUS radiography



◀ Lateral Ceph(half)
Rapid in 8.4 sec



◀ Later Ceph(full)
30cm ultra-wide field



◀ PA Ceph
The high resolution CMOS detector contribute for premium images



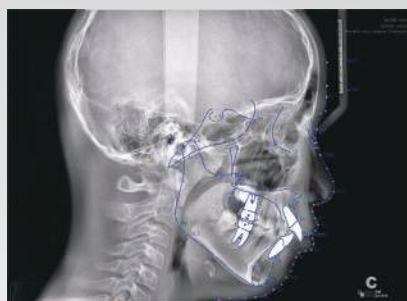
◀ Carpus Image
Determining bone age based on the development of phalanges, carpal bones, and radius.



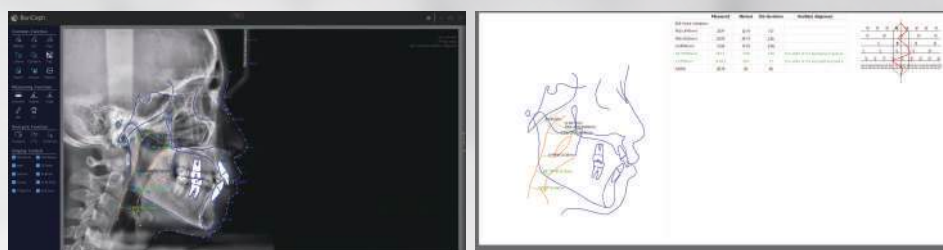
CEPH MODULE

- BonCeph: Smart Ceph Measurement software allows cephalometric analysis within seconds**

The software can automatically recognize orthodontic anatomic landmarks and structures. It support more than 25 analysis



Marks the airway automatically.
Generates the airway report with just one click



VTO function, intuitive simulation of the post-treatment condition.

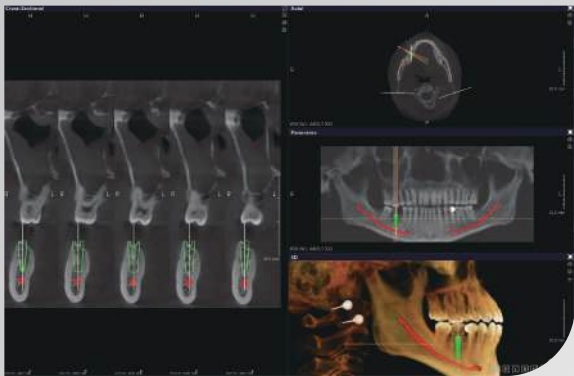


Visualize the implant position and direct reminder .

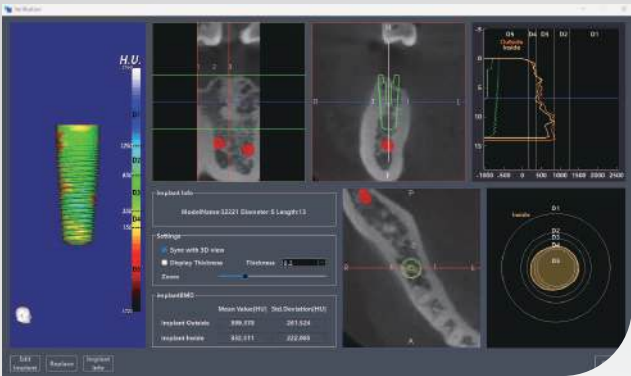
Clinical Applications

Meet Every Needs with Intelligence

Implant Planning

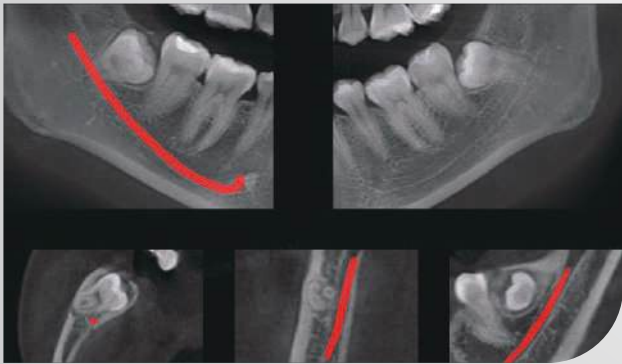


Evaluate bone density, making implant placement more safer and accurate.



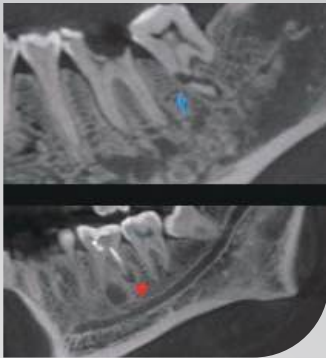
Bondream 3D is equipped with a comprehensive implant library, offering a wide selection of implant systems

Impaction Assessment



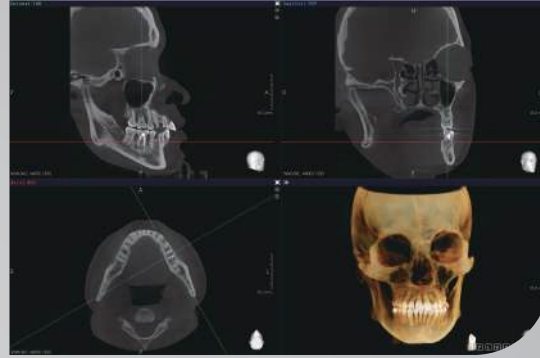
Identify the relationship between impacted teeth and anatomic structures .

Endodontics



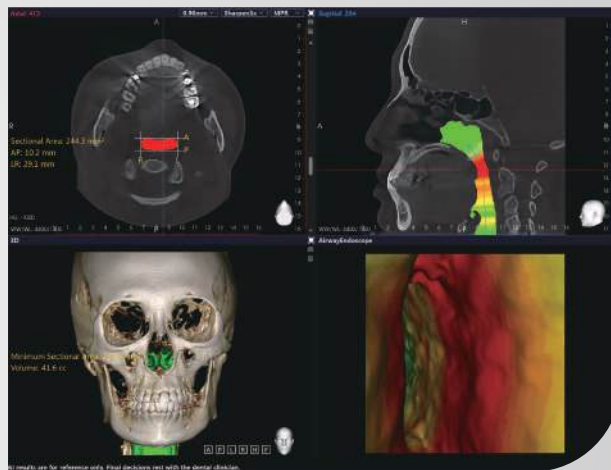
Conducting complex curved root canal diagnosis.

Orthodontics



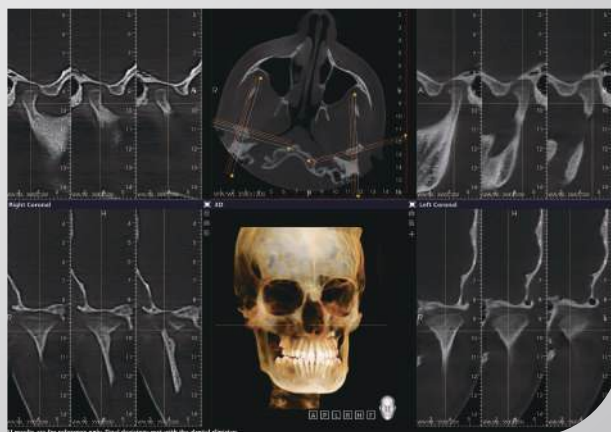
Providing detailed insights into the alignment of teeth, jawbone morphology, and surrounding anatomy

Airway Analysis

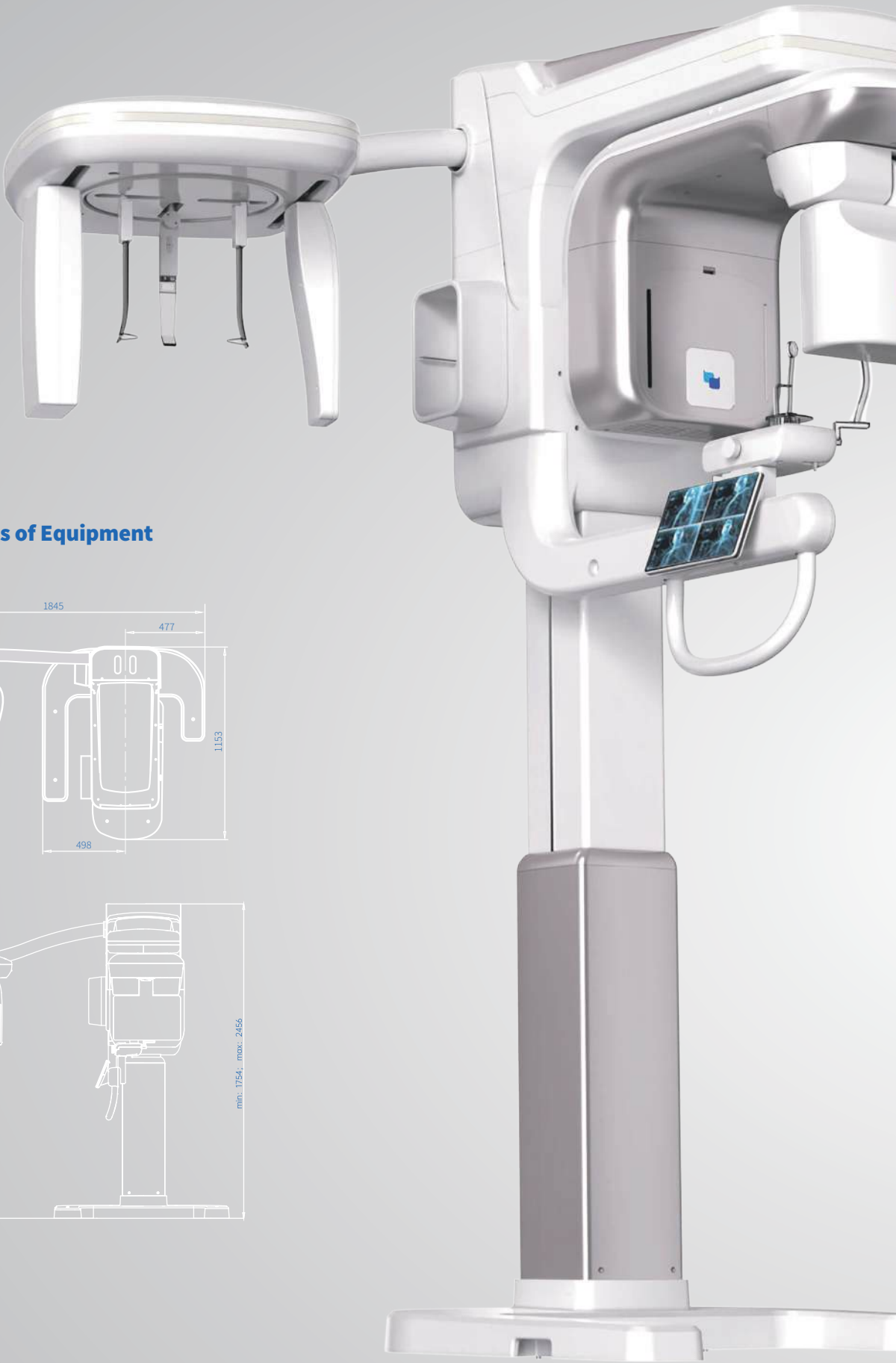


Identify the presence of airway narrowing and its location.

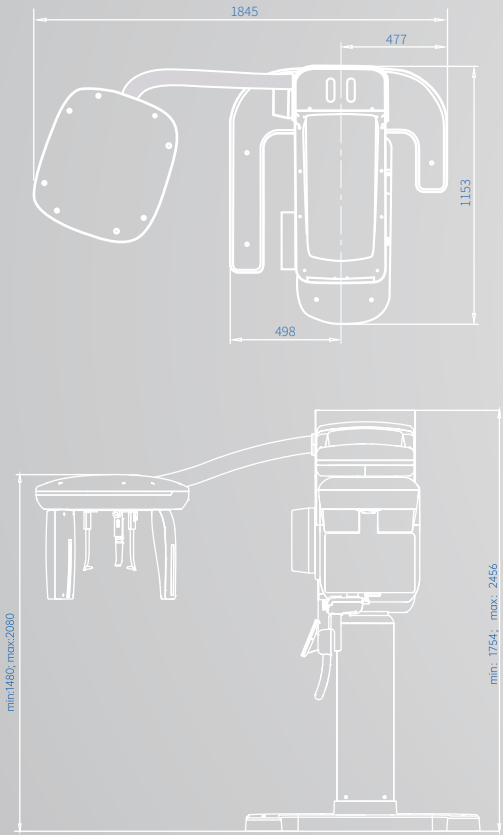
TMJ Analysis



Analyze the structure, range of motion, and abnormalities of the joints.



 Dimensions of Equipment



CBCT Unit Technical Specification

Model	1030 Pro	
	Advance Edition (P6)	Premium Edition (P8)
Function	CT, Pano, 3D Ceph	CT, Pano, Ceph
Tube voltage	60-100kV	60-100kV
Tube current	1-10mA	1-10mA
Focal spot	0.5mm	0.5mm
Pano/CT detector	CsI+IGZO TFT	CsI+IGZO TFT
Ceph detector	-	CsI+CMOS
Detector switching mode	Automatic	Automatic
Image acquisition	360 degree rotation	360 degree rotation
FOVs	16*18cm; 16*10cm; 12*8cm; 8*8cm; 8*5cm; 5*5cm	16*18cm; 16*10cm; 12*8cm; 8*8cm; 8*5cm; 5*5cm
Voxel size for 3D images	70μm, 100μm, 150μm, 200μm, 250μm, 300μm	70μm, 100μm, 150μm, 200μm, 250μm, 300μm
Pixel size for 2D images	100 μm	100 μm
Spatial resolution	>1.0lp/mm(CT mode),	>1.0lp/mm(CT mode),
	>1.8lp/mm(Pano mode)	>1.8lp/mm(Pano mode)
	>2.0lp/mm(Cephlo mode)	>2.0lp/mm(Cephlo mode)
Grey scale	16bit	16bit
Scan time	CT:8s, 24s or 36s	CT:8s, 24s or 36s
	Pano:14s;	Pano:14s;
	-	Ceph: 8.4s or 14s
Reconstruction time	≤60 s	≤60 s
Ceph scanning	-	Yes
Model scan	Yes	Yes
Intraoral X-ray unit	-	-
Pano AI report(BonDiag)	Yes	Yes
Implant mode	Yes	Yes
Endodontic mode	Yes	Yes
Vertical movement range(mm)	1754-2456	1754-2456
Column(height) movement range (mm)	≥600	≥600
Min. dimension in reset state (mm)	975*1153*1754	1845*1153*1754
Max. motion dimension after installation (mm)	1021*1153*2456	1950*1153*2456
Required Min. dimension of installation area (mm)	1070*2500*2456	2000*2500*2456
Net weight(kgs)	215	245
PACS	Yes	Yes

The data are subject to change without notice

Bondream 1030 Pro

Bondent Imaging Expert Camp



Providing Bondent partners with strategic and systematic training projects from marketing, sales, technical and service perspectives, including comprehensive skill development from theory to practice, equipment operation, and applications in various clinical disciplines.

📌 BIEC Advantages

- 01 Basic & advanced product training, operation training, maintenance and troubleshooting training.
- 02 Conduct master imaging courses from basics to advanced levels.
- 03 Provide immediate access for the update of the software.

Learn more about BIEC, contact the team at biec@bondent.com to request your needs

INCREASED CONFIDENCE FOR PRECISE DIAGNOSIS

Focal Spot Size: 0.4 mm

🔍 Provide sharp and high-resolution images



Bondream Air

Portable Dental X-Ray Device

ADVANCED DC TECHNOLOGY FOR SAFER, SHARPER, SMARTER IMAGING



- 🔍 Delivering constant high voltage and current throughout every exposure, this advanced design provides stable and precise X-ray emissions



- **One-Touch Operation for Maximum Efficiency**

Pre-programmed exposure settings (e.g. for adult/child, anterior/posterior) allow fast, intuitive use with just a single button press-saving valuable clinical time.

- **User-Friendly Interface**

Icon-based menu, intuitive layout make the interface easy to use-even for first-time users.

- **Multiple Modes for Versatile Use**

Available Voltage: 60kV/65kV/70kV
Available Current: 2.5mA/3.5mA

INTUITIVE TOUCH SCREEN

ONE TOUCH TO SELECT TOOTH POSITION

4 specialized imaging modes tailored to different tooth types, Anterior Teeth, Premolars, Molars, and Bitewing-ensuring optimized exposure settings for each region to deliver precise, high-quality diagnostic images.



Digital Sensor & Film Support in One Device

DUAL IMAGING COMPATIBILITY

Bondream Air



Technical Specification

Model	Mondream Air
Weight	2.2kg
Focal spot	0.4mm
Tube voltage	60kV, 65kV, 70kV
Tube current	2.5mA, 3.5mA
Exposure time range	0.01-2.00S

Small Device Big Clarity



IMAGING

DENTAL UNIT

MICROSCOPE

ENDO

ENDO DEVICES

ACADEMY

BONCARE

Bondream Plus

Wall-Mounted Intraoral X-Ray Device



> High Quality Imaging

- Original Japan Canon 0.4 mm X-ray Tube
- DC High Frequency Output More Clearer and Stable Images





Ideal combination

-Integration with BonSensor to Present Optimal Images

IMAGING

DENTAL UNIT

MICROSCOPE

ENDO

ENDO DEVICES

ACADEMY

BONCARE

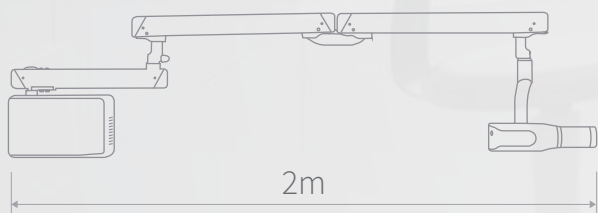
➤ Comfort Operation

Efficient Image Acquisition and Smooth Workflow



1 Easy Control

Ergonomic Design with a Sleek and Modern Look
Good for Faster and Accurate Positioning



2 The Length Can be Extended to 2 Meters

Capture in Different Distance without Repeated Patient Movement

3 The Practitioners Can Adjust the Angle at Patient Orientation

Flexible Movement to Meet the Condition





4 Wall-Mounted Installation

Save Valuable Space and Fits Seamlessly into Clinics Layout



Integrated
Bluetooth

5 Wireless Remote Control for Exposure

Bluetooth connection



A white, wall-mounted intraoral X-ray device with a flexible arm and a large circular sensor at the end. The device is shown against a light gray background with geometric shapes.

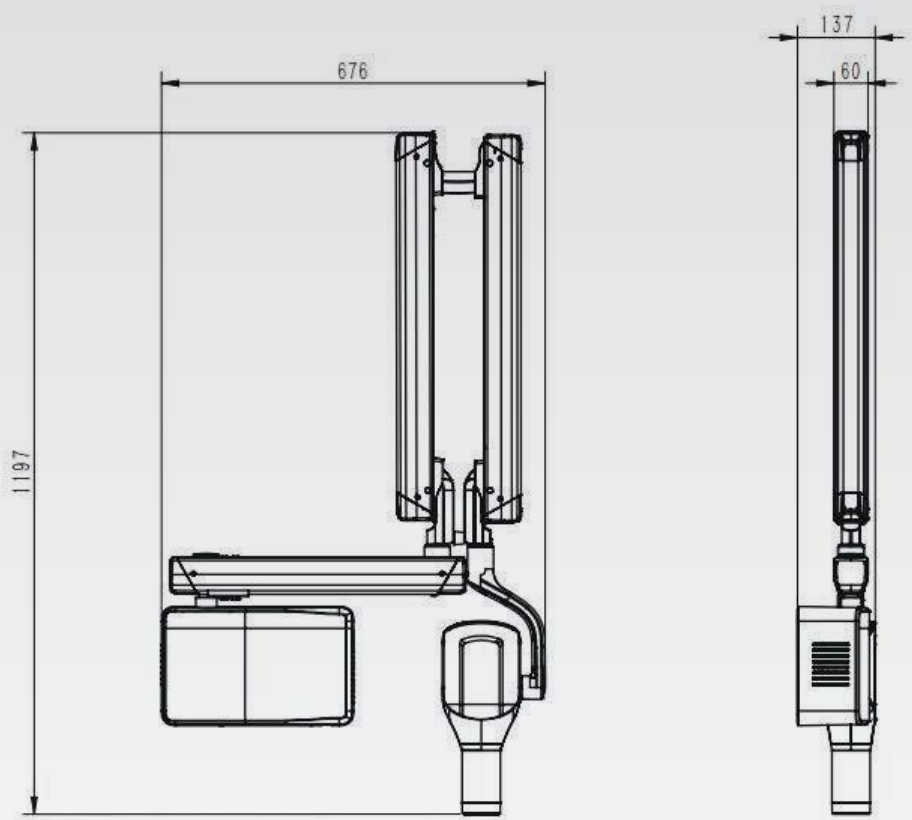
IMAGING
WITH
FLEXIBILITY

Bondream Plus

Wall-Mounted Intraoral X-Ray Device

Technical Specifications

Model	Bondream Plus
Focal Spot	0.4mm
Tube voltage	70 kV
Tube current	3.5mA
Exposure time range	0.01-2.00S
Source to skin distance	20 cm
Weight	18 kgs



APS CMOS TECHNOLOGY

High Sensitivity & Image Quality
Low Noise Performance



BonSensor

Digital Intra-oral Sensor

Crystal Clear Images to Reveal the Finest Details.
Long-Lasting Performance with Low Energy Usage.



SMART
SIMPLE
SEAMLESS

IMAGING

DENTAL UNIT

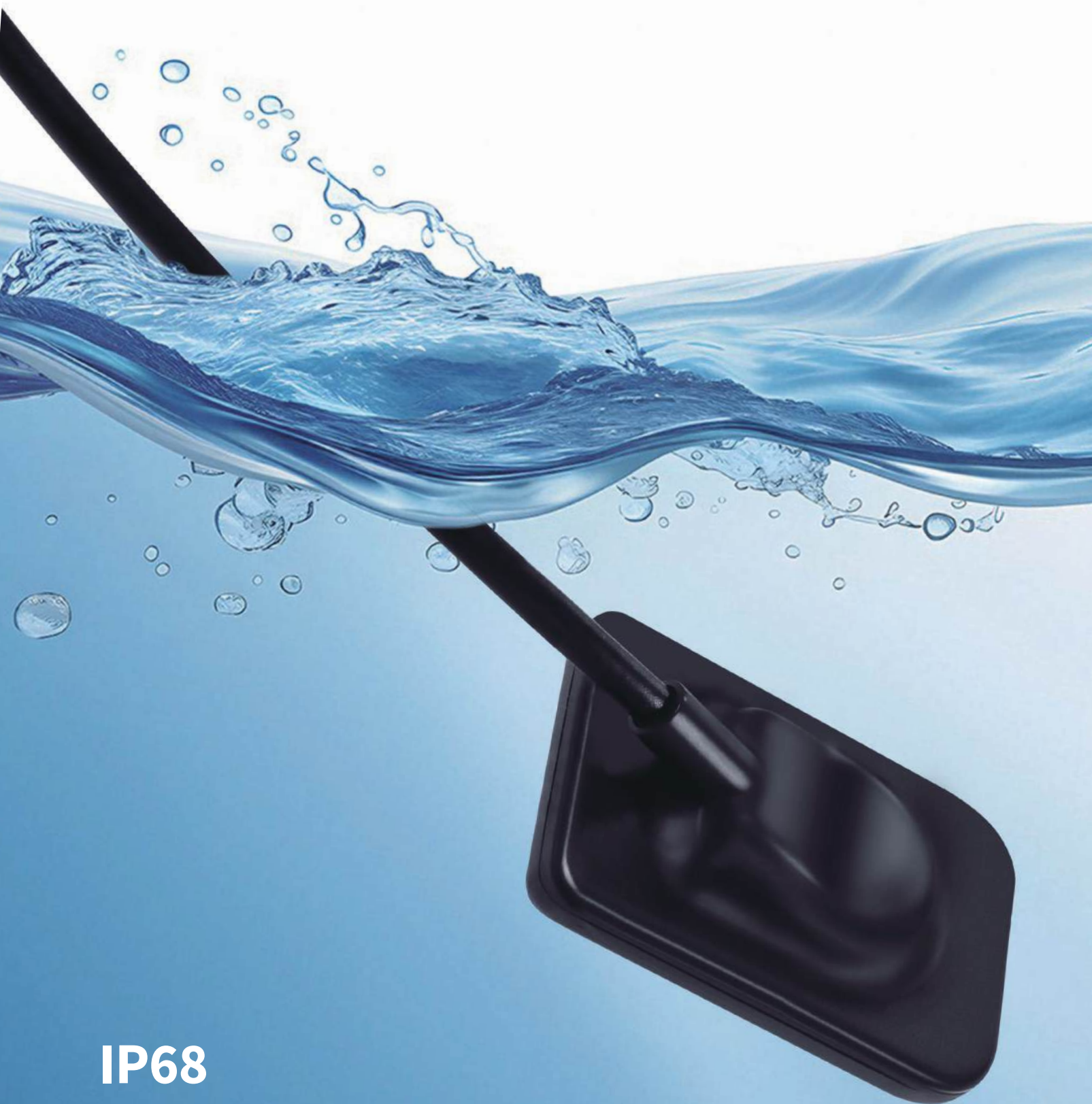
MICROSCOPE

ENDO

ENDO DEVICES

ACADEMY

BONCARE



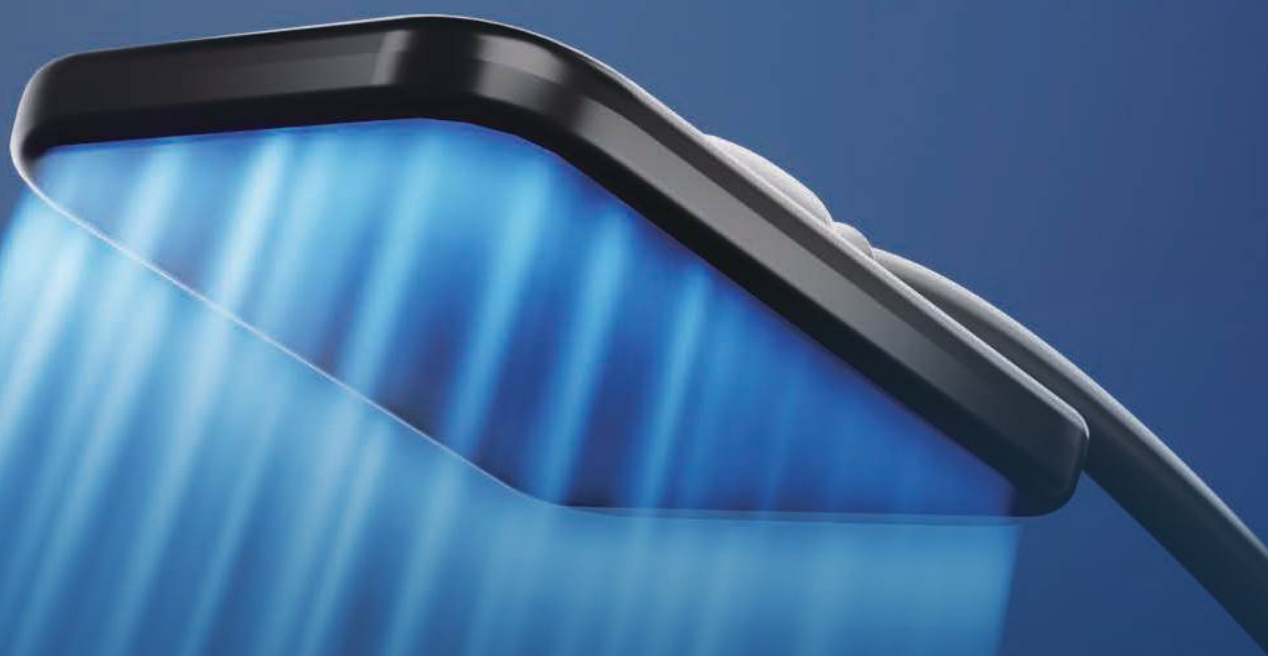
IP68
SUPERIOR RELIABILITY

SLIM, ROUNDED CORNER AND THUMB POSITION



Thickness 4.5mm

IMAGING
DENTAL UNIT
MICROSCOPE
ENDO
ENDO DEVICES
ACADEMY
BONCARE



SMART AED,

Compatible with AC and DC X-ray Devices.

**MINIMAL RADIATION
EXPOSURE**

For Multiple Patient Groups.

SMART SOFTWARE



USB 2.0 Direct Connection



Fast and Easy Installation



Intuitive Interface, Easy to Use



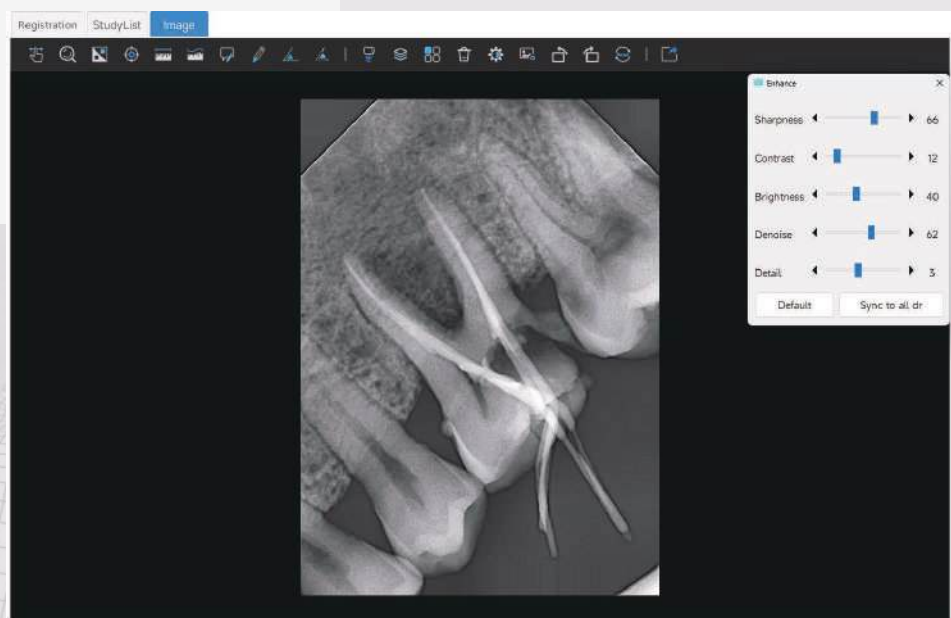
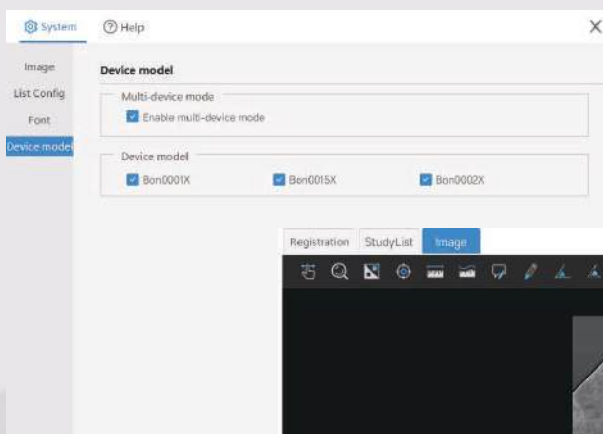
A Variety Tools for Diagnosis



Support Exporting with PNG, JPG, BMP, DICOM Format



Available to Have Multiple Sensors Working in One Computer.



BonSensor



70,000+ BENT TESTS

A Durable Sensor can Meet High Frequency Usage for Dental Practice.

50,000+ EXPOSURES

Providing Uncompromising Image Quality.

The Smart Sensor Understands the Requirement to Accurate Diagnosis.



Technical Specification

Model	BonSensor 1	BonSensor 1.5	BonSensor 2
Mechanical Dimensions (mm3)	25.0 × 38.5 × 4.5	29.2 × 43.5 × 4.5	31.0 × 45.0 × 4.5
Active Area (mm²)	20 × 30	24 × 33	26 × 36
Pixel Matrix	1000 × 1500	1200 × 1650	1300 × 1800
Theoretical resolution	25 lp/mm	25 lp/mm	25 lp/mm
Sensor Technology	APS CMOS		
Scintillator	Directly deposited CsI		
Length of Cable (m)	Standard 3m / Option 5m		
Gray Level	16 bits		
Exposure Mode	Smart AED		
Protection	IP68		
Support TWAIN protocol	YES		
Required operation System	Windows 7 and above, 32 / 64 bit		



BONDENT ACADEMY

📌 Bondent Academy is a dental training platform specially built by bondent group. By providing practical and cutting-edge international technical and management training for dentists, it helps to promote the professional development of dentists.

Bondent Academy supports the international Continue Educations, University Grant Program and Global OPLs Network.



Invisible Orthodontics



Periodontal Implant



Micro Endodontic



General Laser



Manage Operations



Imaging Equipment

IMAGING

DENTAL UNIT

MICROSCOPE

ENDO

ENDO DEVICES

ACADEMY

BONCARE



Boncare, born to care,
ready to serve.

Boncare, Bondent's after-sales service sub-brand. Guided by the philosophy **"Boncare, born to care!"**, it is dedicated to delivering fast, reliable, and systematic support, ensuring dental professionals worldwide can practice with confidence.

📌 Boncare Advantages



24/7 Fast & Reliable Response

Rapid Response to Minimize Wait Times and Reduce Downtime.



Life-Cycle Care, End to End

Guiding You Every Step of the Way:
From Vision to Value.



Global Reach, Local Support

Providing Localized Service Worldwide.
Where Challenges Grow, We Flow.

Contact Boncare Team:

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