





CBCT

Bondent CBCT 1020MS

Transforming Digital Diagnosis with
Premium 3D Imaging and AI-Powered System

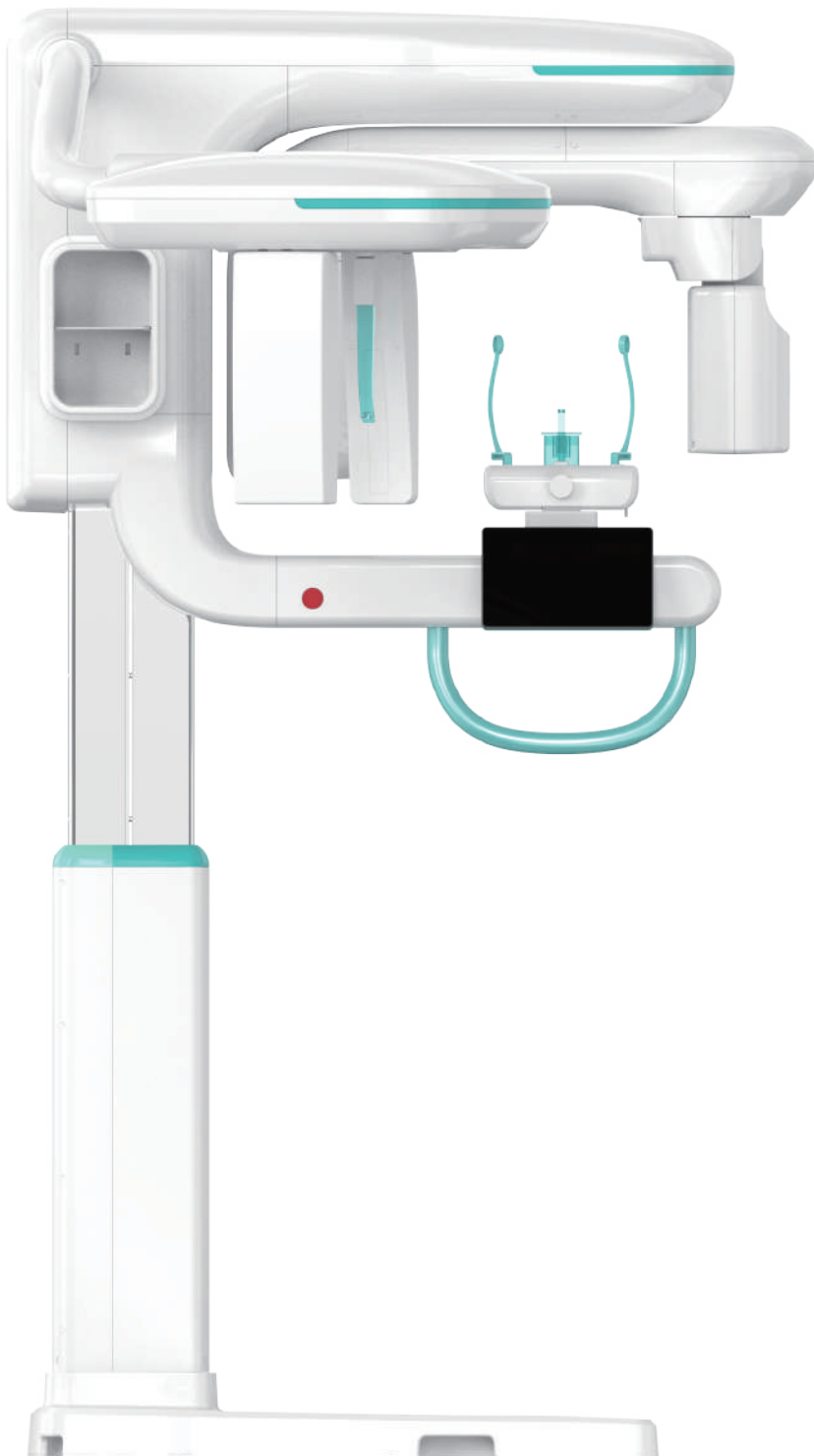


Step into a world with 3D images, **1020MS** provides all-in-one imaging solutions. The system was designed to offer high-quality images, digital workflows, and enhanced operational efficiency. With AI-powered software, we aim to empower professionals to achieve efficiency in multiple diagnoses and treatments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



Bondream 3D-1020MS

📌 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.

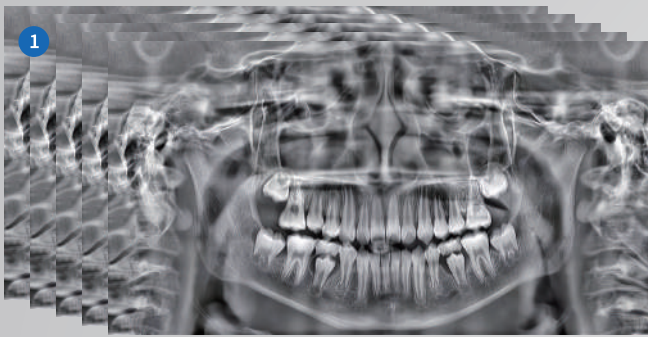
4 10-Inch Touch Console

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

Image Solution in One Unit

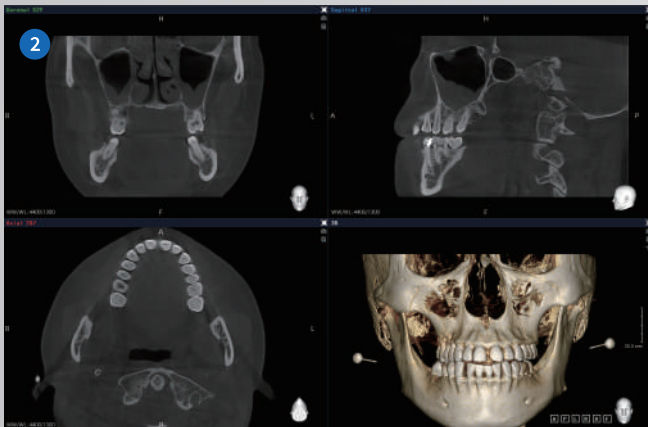
Reliable solution for your diagnosis and treatment plan

- ↘ **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.

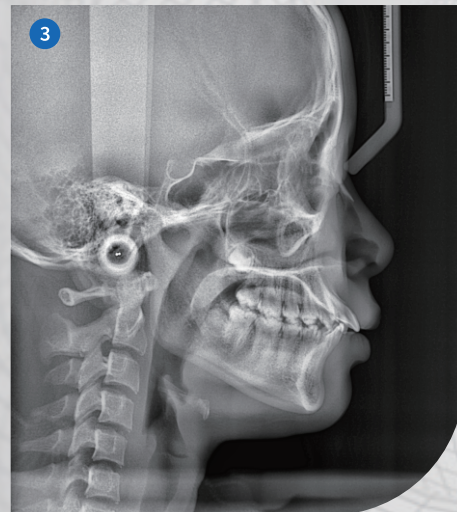


2 CBCT MODULE

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

3 CEPH MODULE

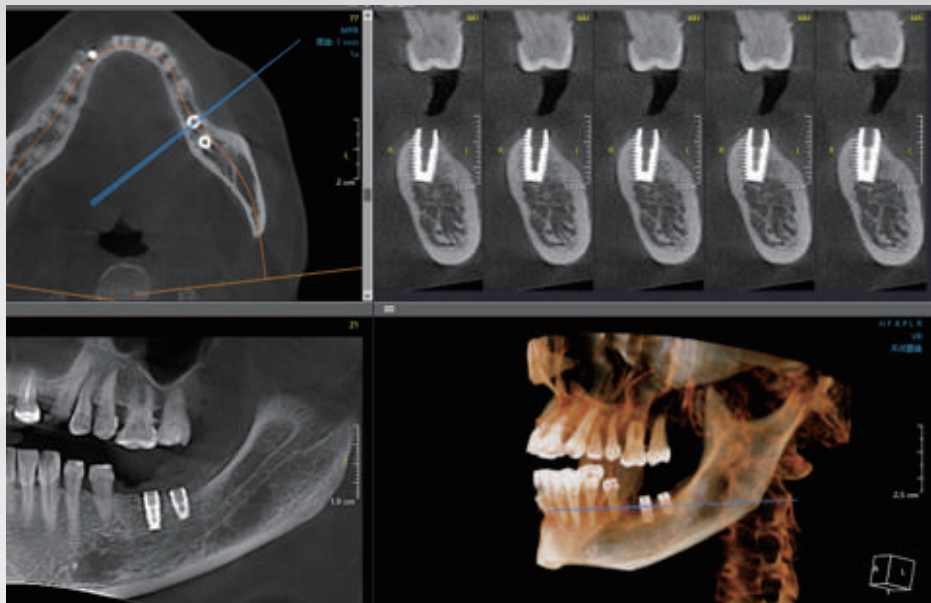
The 1020MS provides lateral, frontal and carpus projections. Together with BonCeph software, we are making the cephalometric measurement more accurate and easier.



Consistent innovation for your clinical confidence

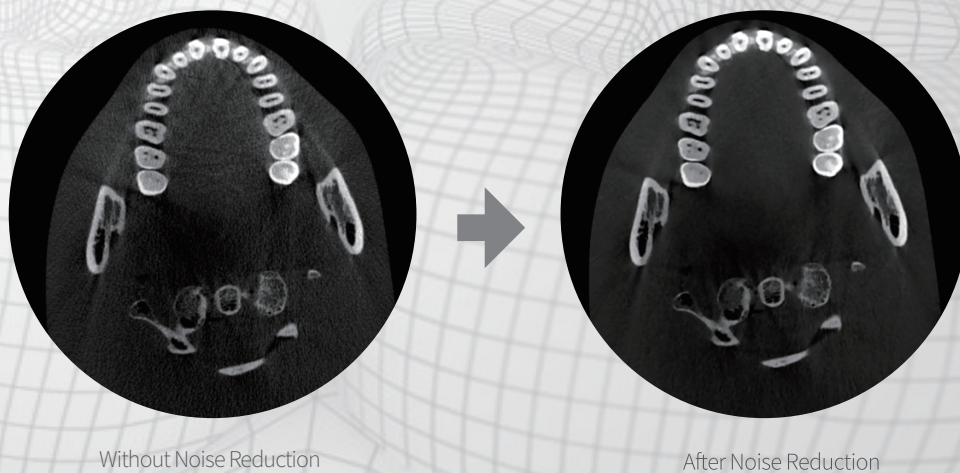
↳ Bon MAR Technology

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.



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

Standard Pano Image



Image Enhancement

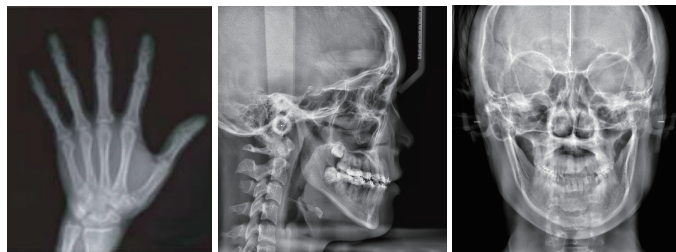


Enjoy Multiple Ceph Scan at Easy Way

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



- ⚡ **3 Projections**



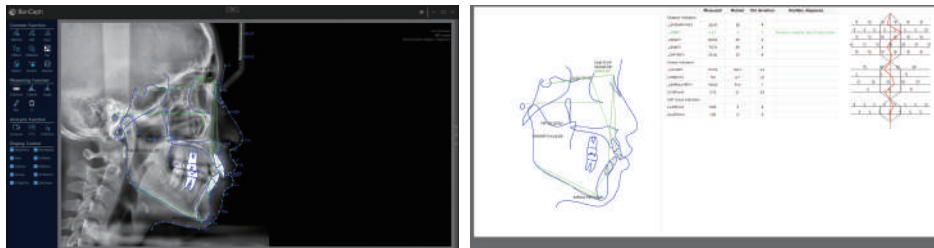
- ⚡ **Smart Auto Tracing**



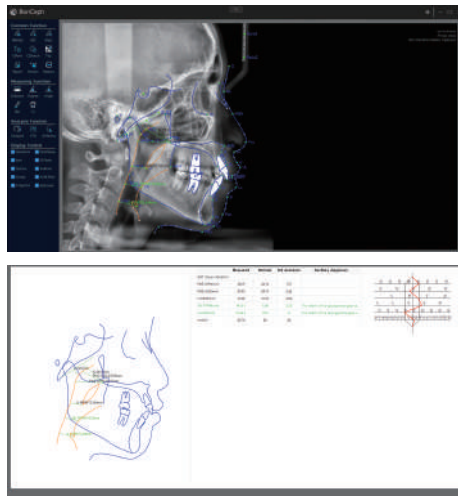
Smart cephalometric measurement makes orthodontics easy never before

📌 **BonCeph: Smart Ceph measurement software cephalometric analysis in seconds**

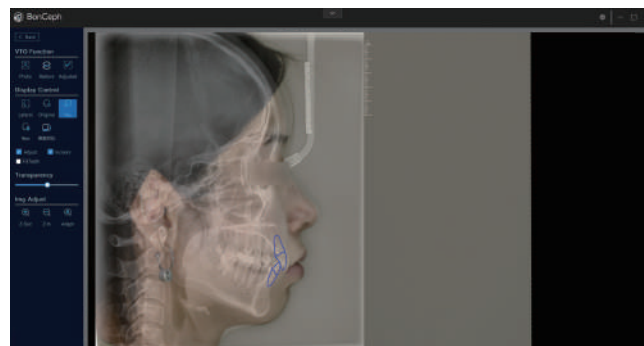
The software can automatically recognize orthodontic anatomic landmarks and structures. It support more than 25 analysis needs(Steiner, Tweed, Jarabak, Wits)



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



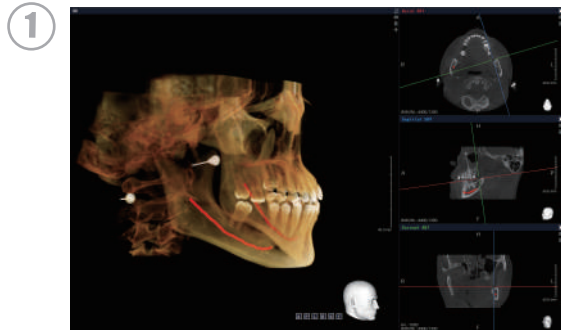
VTO function, intuitive simulation of the correction effect



Smarter Software Bondream 3D

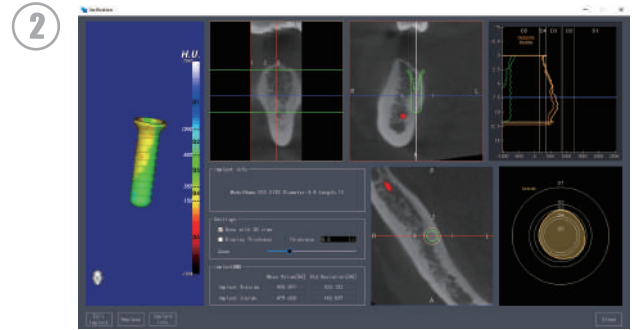
AI Post-processing Software, More Smarter, More Efficient, More Safer

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



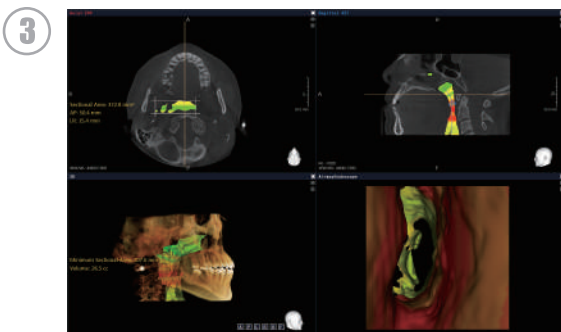
1 MPR Mode

Trace the nerve canal in 3 seconds



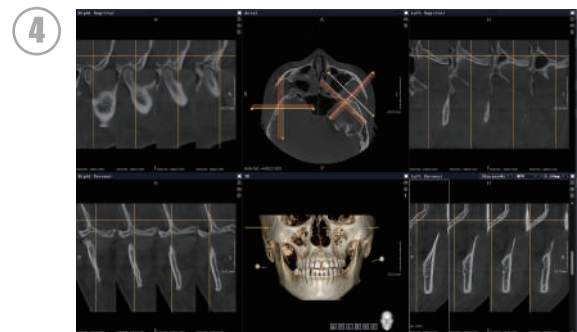
2 Dental Mode

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



3 Airway Mode

Offer significant benefits in diagnosis, treatment, and surgical planning



4 TMJ Mode

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

BONDREAM

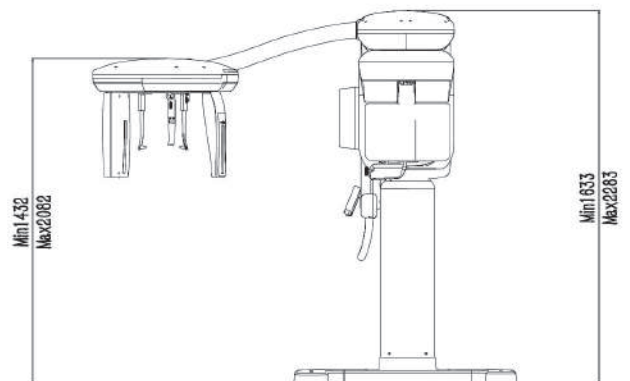
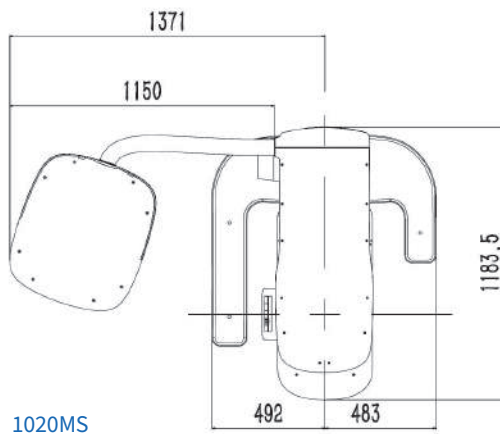


Technical Specification

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

Dimensions of Equipment



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.