

FUSSEN

EMAIL
sales@fussengroup.com international.support@fussengroup.com
international.marketing@fussengroup.com

HEADQUARTERS:
901, 1001, Building #D1, Nanshan Zhiyuan, 1001 Xueyuan Avenue, Changyuan Community, Taoyuan Street,
Nanshan District, 518055 Shenzhen, Guangdong, PEOPLE'S REPUBLIC OF CHINA

WEB:
www.fussengroup.com



RUBIK XS^{mart}

A NEW ENTRY-LEVEL CBCT
DESIGNED FOR MODERN
IMPLANT WORKFLOW

CE FDA

16×10
FOV

120kV

50 μm

FUSSEN

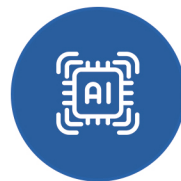
YOUR FIRST IMPLANT CBCT

Designed for clinics upgrading from
panoramic imaging



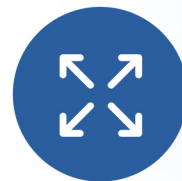
Easy to Use

Simple operation for
daily workflow



Easy with AI

Intelligent tools for
faster diagnosis



Easy to Grow

Flexible FOV for expanding
clinical needs

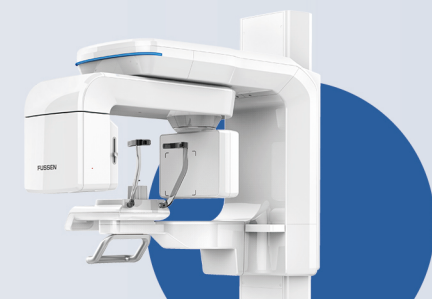


Built for
growing dental
practices



ONE SYSTEM. MULTIPLE CLINICAL NEEDS.

Select only what you need while optimizing workflow and dose efficiency

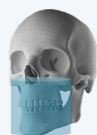


CT Flexible FOV selection from endodontics to full-arch imaging

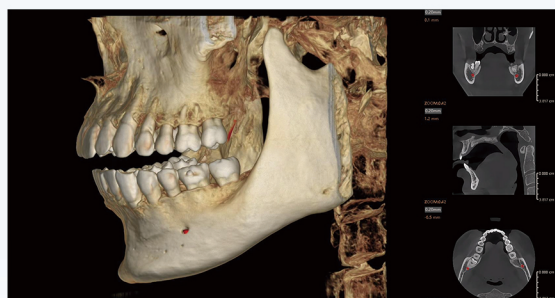
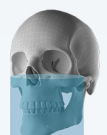
5 × 5 cm



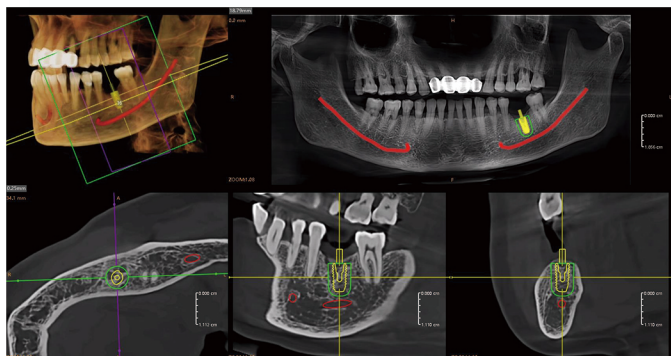
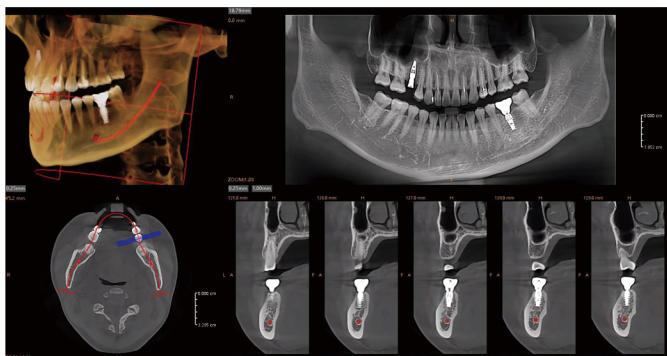
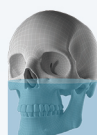
9 × 9 cm



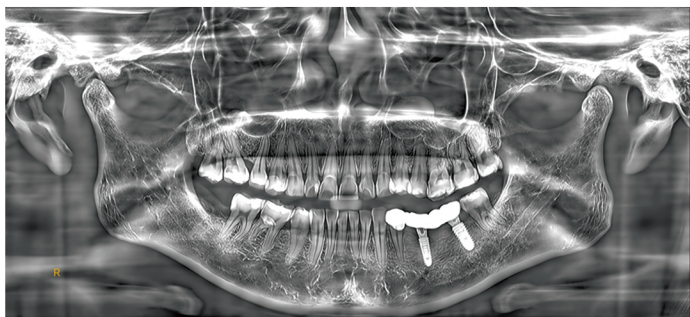
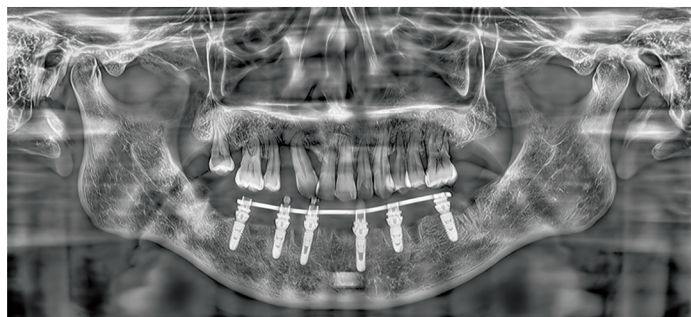
12 × 10 cm



16 × 10 cm



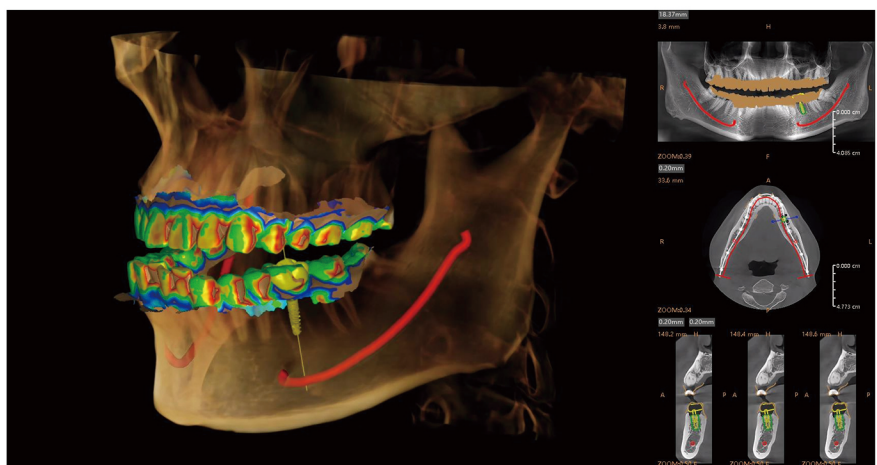
PANO



CEPH (Optional)

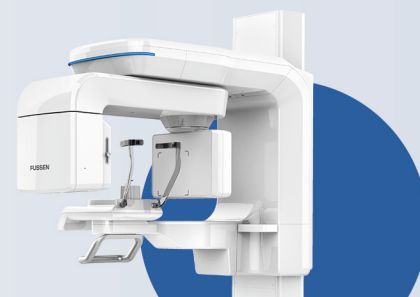


MODEL



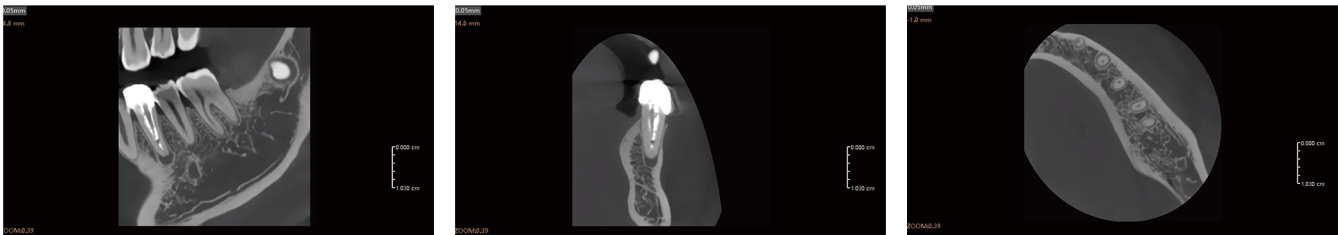
PRECISION READY FOR IMPLANT DENTISTRY

High-resolution imaging for daily diagnosis



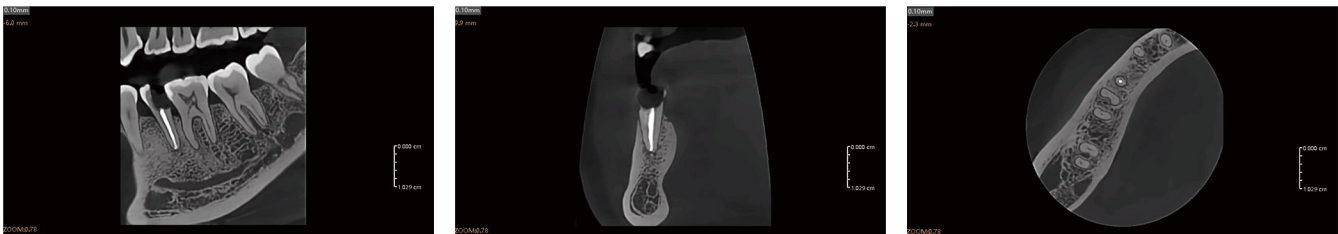
16-bit Grayscale

Capture the finest contrast differences with true 16-bit depth, revealing every subtle anatomical detail.



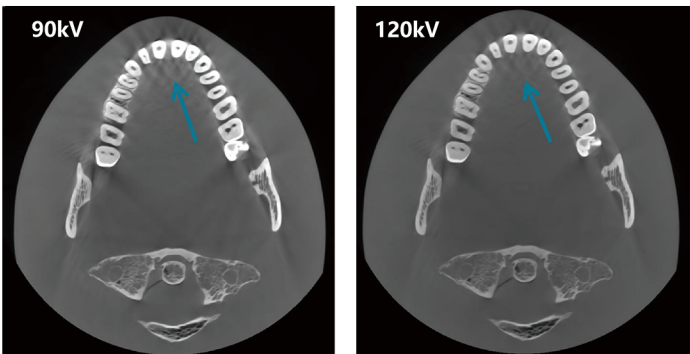
HD 50 µm Voxel

Ultra-fine voxel resolution ensures clinical-grade sharpness for precision diagnostics and surgical planning.

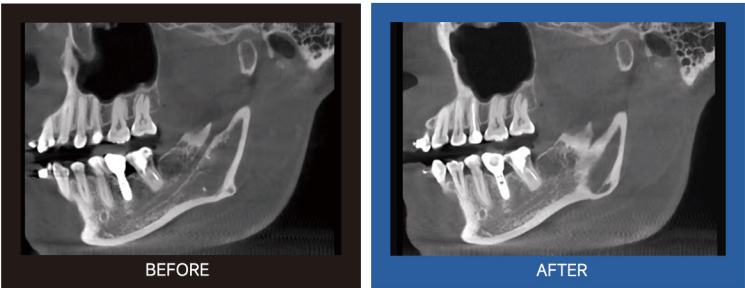


120 kV High-Voltage Generator

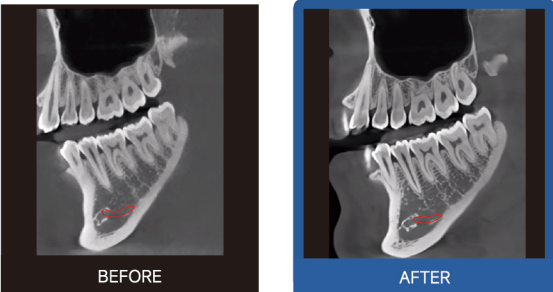
High-energy imaging technology achieves stable output while reducing noise and metal artifacts, ensuring that images remain clear even when imaging complex anatomical structures.



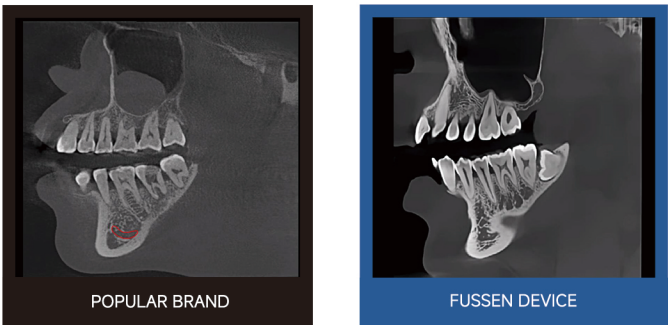
Metal Artifact Reduction (MAR)



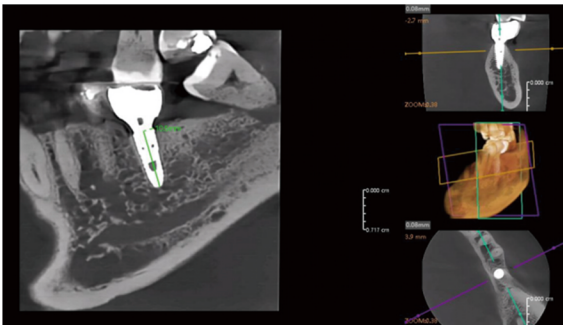
AI-Powered Low-Dose Imaging



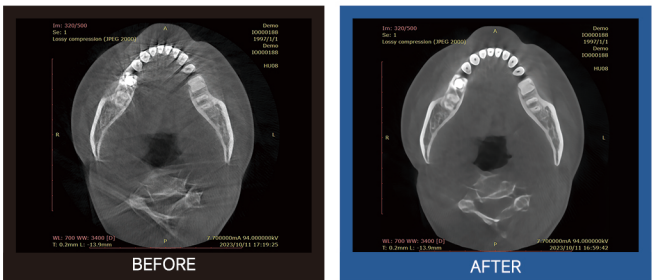
Noise Reduction & Beam Hardening Correction



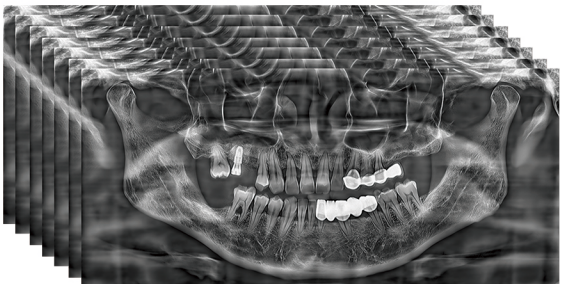
Geometric Correction



Motion Correction Algorithm

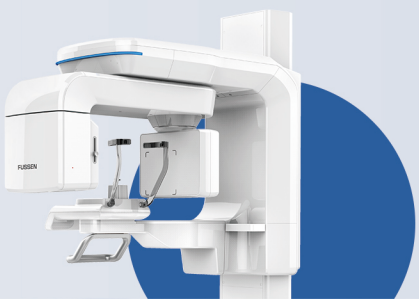


Multi-Layer Panoramic Reconstruction



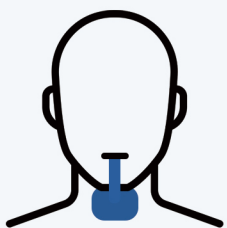
DESIGNED FOR EFFORTLESS POSITIONING

Faster workflow. Better patient stability.



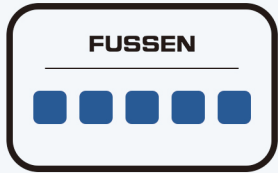
Automatic Temple Support

Automatic temple support helps stabilize patients quickly and comfortably



Shared Chin Rest

A universal chin rest design enables seamless workflow switching between CT and panoramic imaging



Physical Control Panel

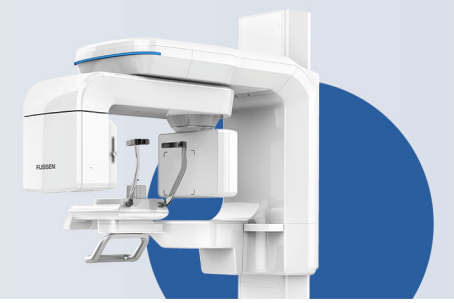
Intuitive physical controls for reliable daily operation



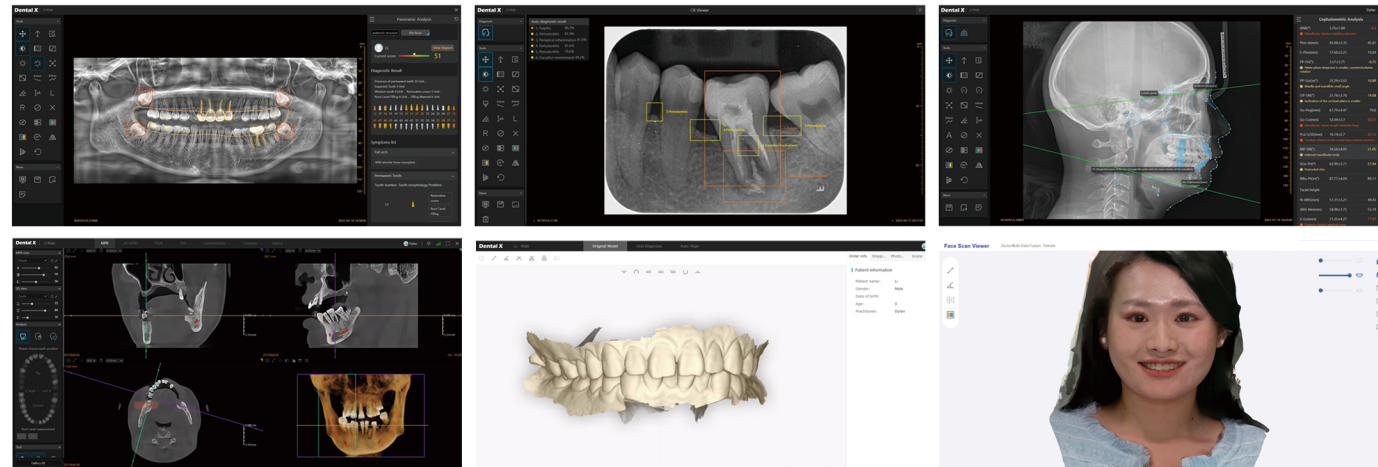
AI DESIGNED FOR EVERYDAY DENTISTRY

Helping clinicians work faster and smarter

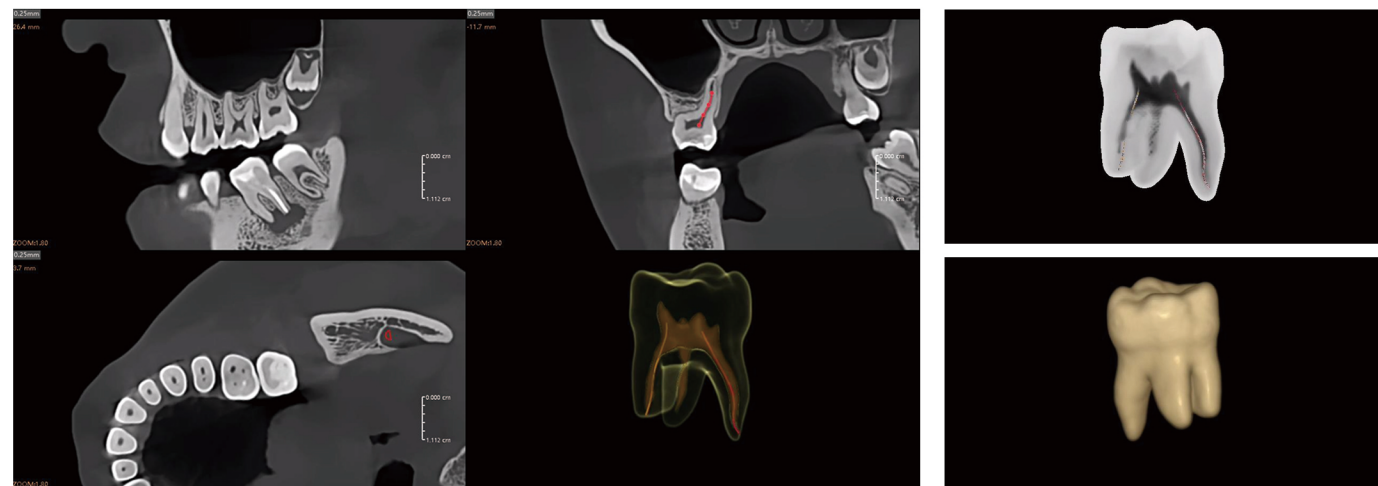
DentalX™



Seamless and Intelligent Workflow

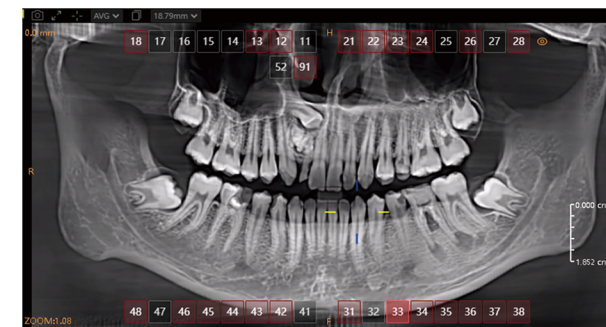


AI-Powered Endodontic Analysis

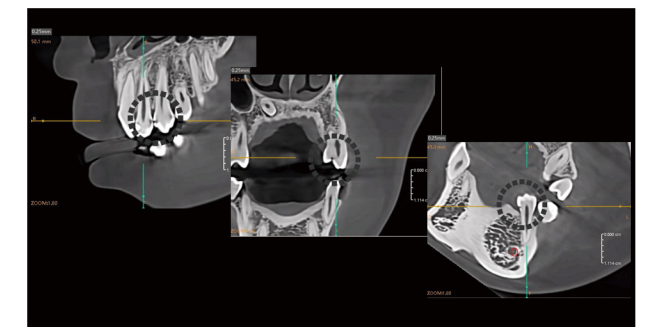


AI-Powered Diagnostic Intelligence

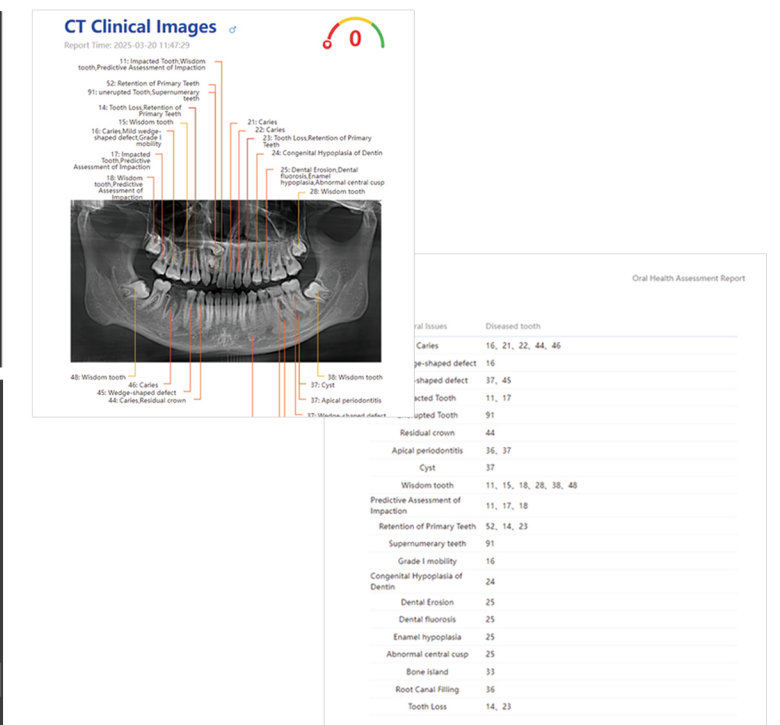
Rapid and Accurate Disease Detection

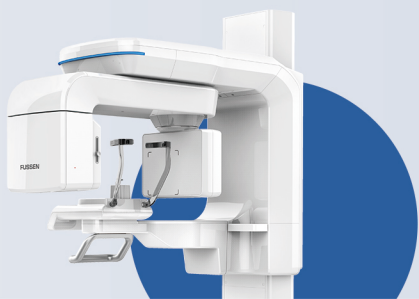


Provides Optimal Triplanar Visualization of Lesions



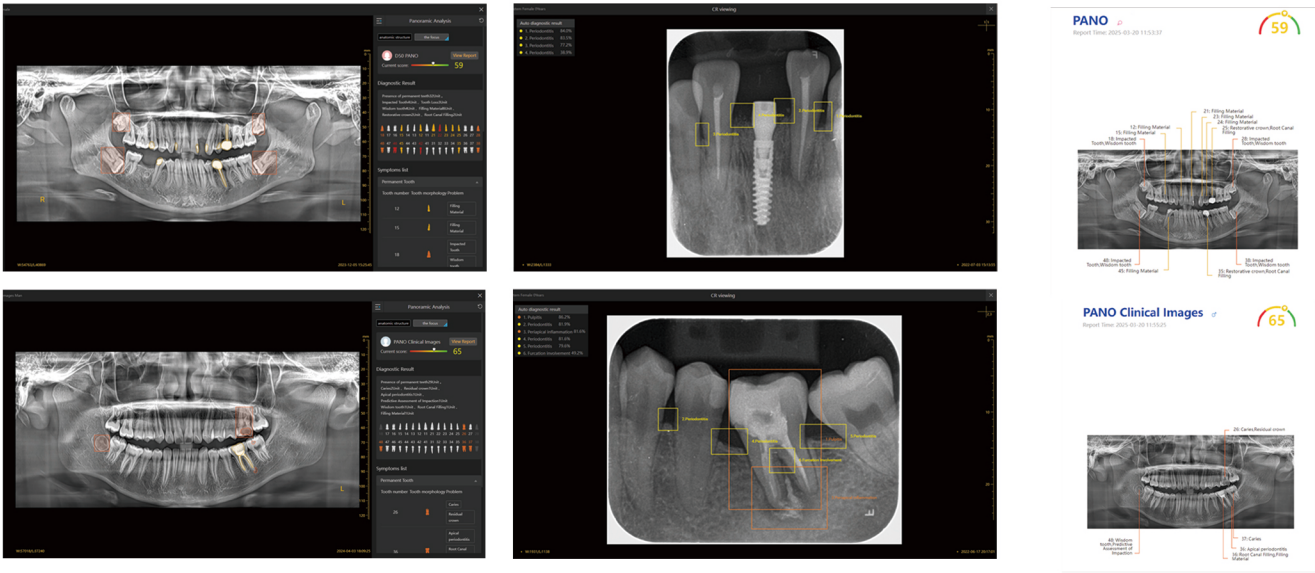
AI-Enhanced Patient Communication Tools



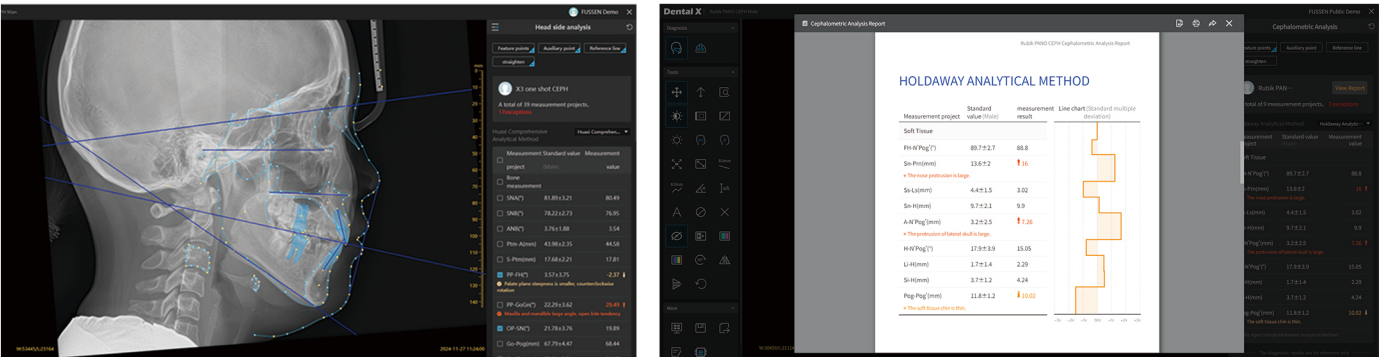


AI-Powered Diagnostic Intelligence

2D Imaging Assistant

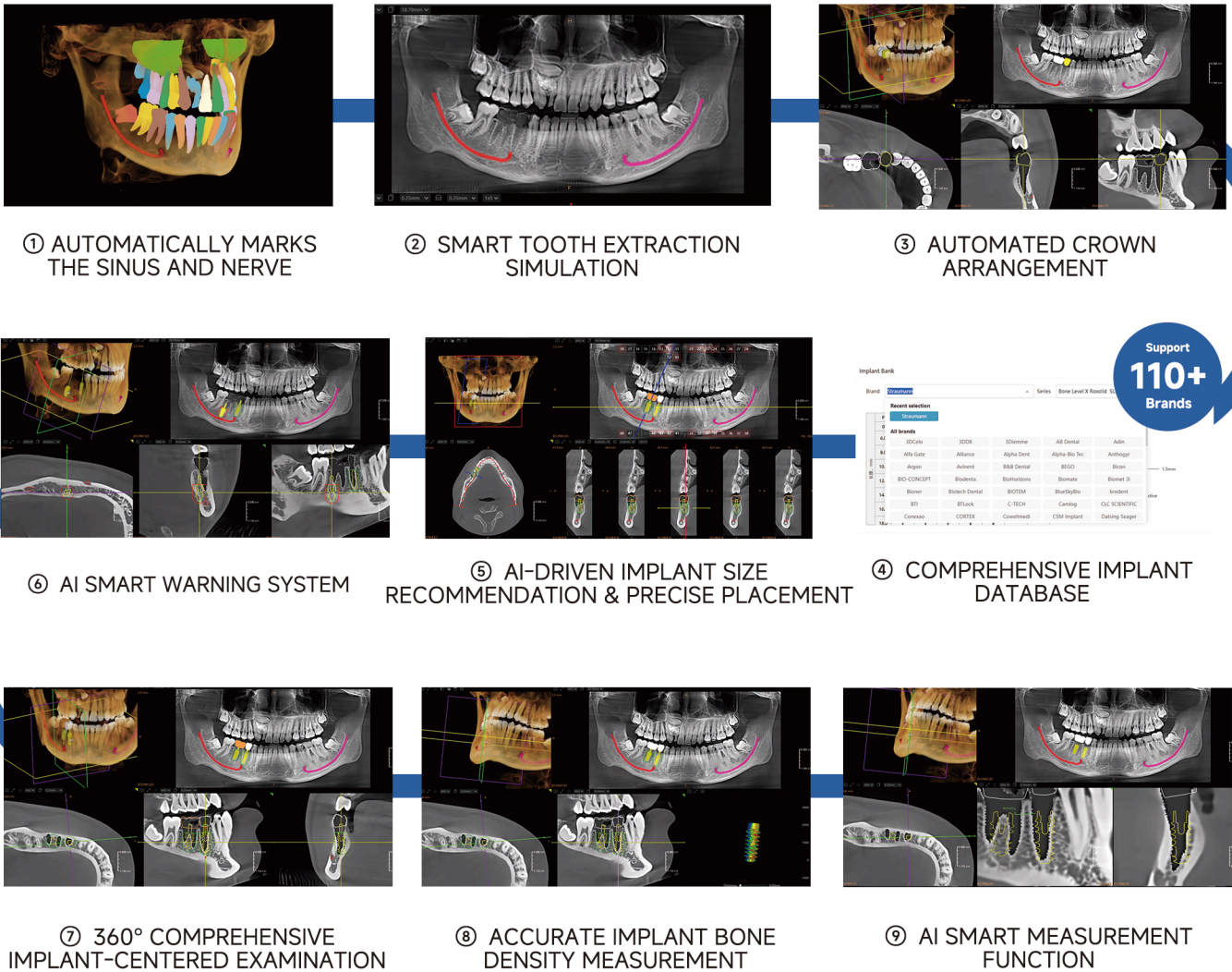


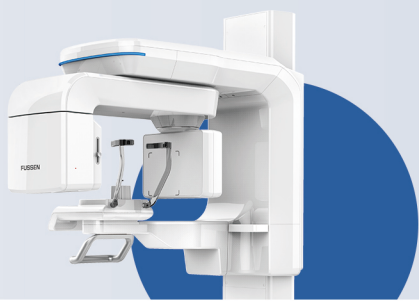
Cephalometric Auto-Analysis



AI-Powered Implant Treatment & Surgery

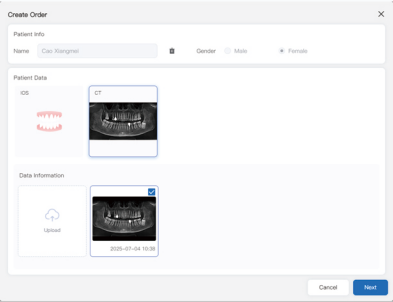
AI Implant Planning Tool



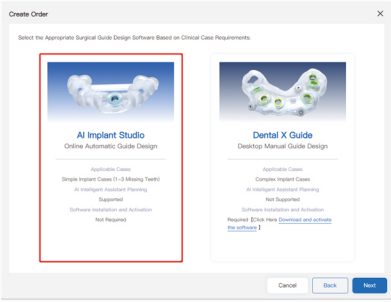


AI-Powered Implant Treatment & Surgery

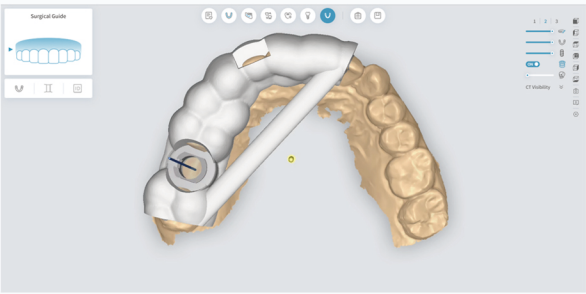
AI Surgical Guide Design



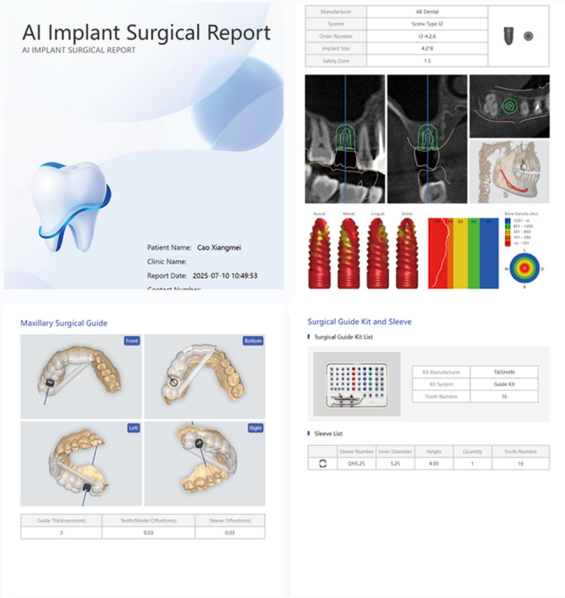
① Import CT and IOS data



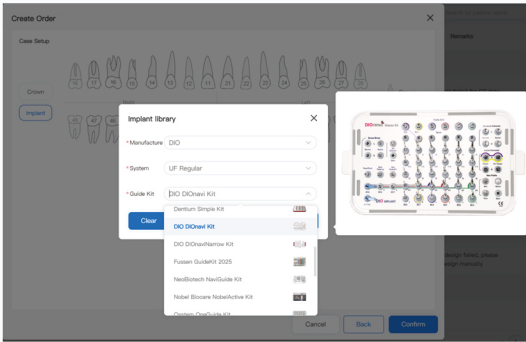
③ Select AI Implant Guide



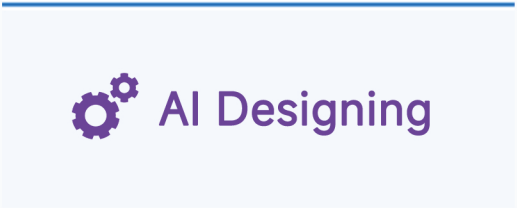
⑤ Check the AI-designed guide



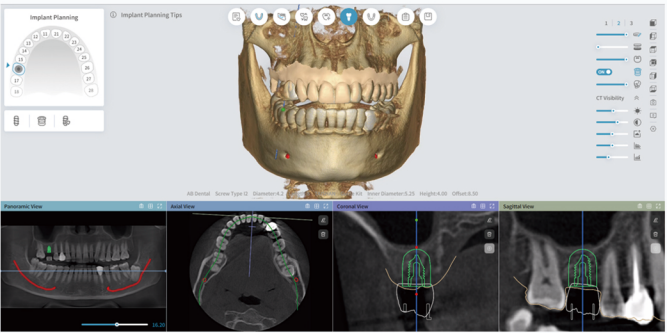
⑦ Save data to generate the implant planning report



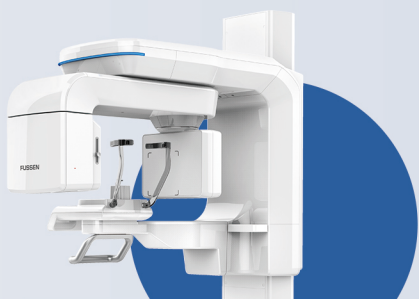
② Select tooth position, implant brand and kit



④ After 3 minutes, review the AI-designed guide

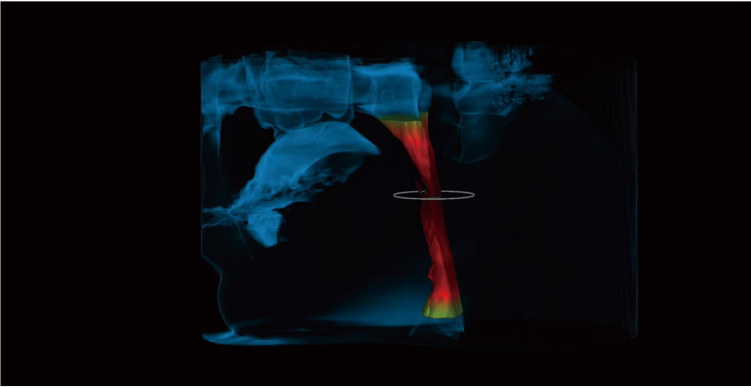
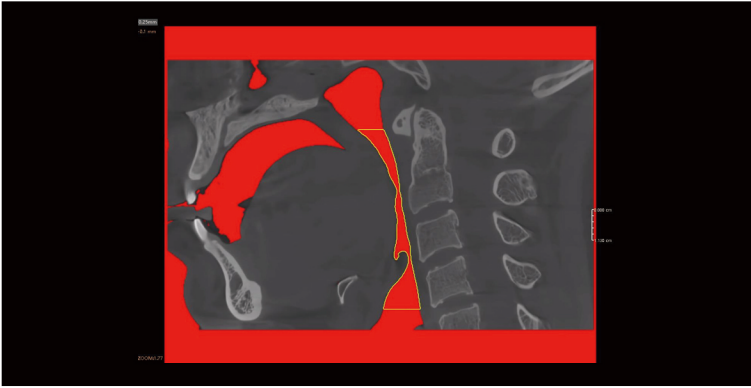


⑥ You can also manually adjust the parameters of the implant planning and surgical guide

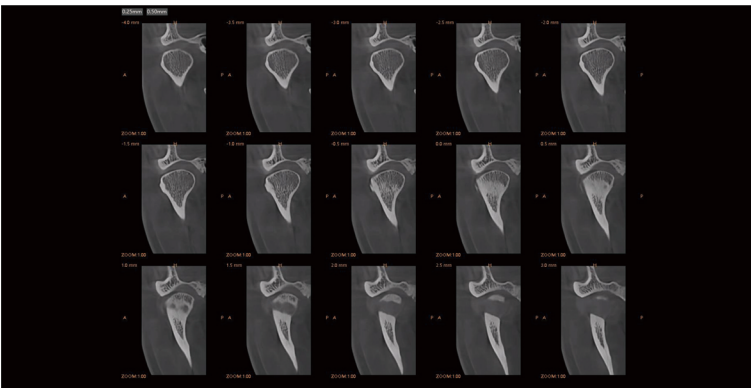
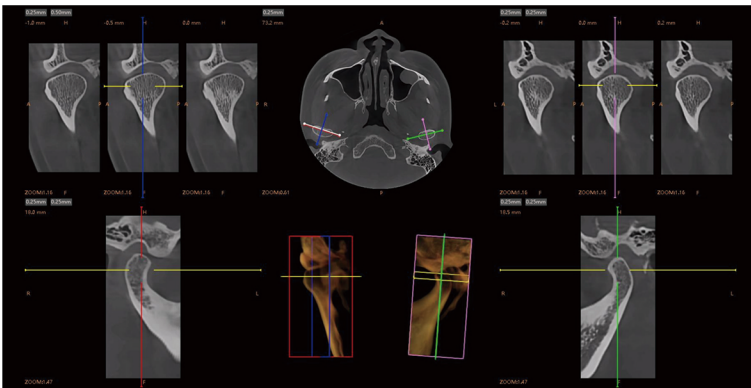
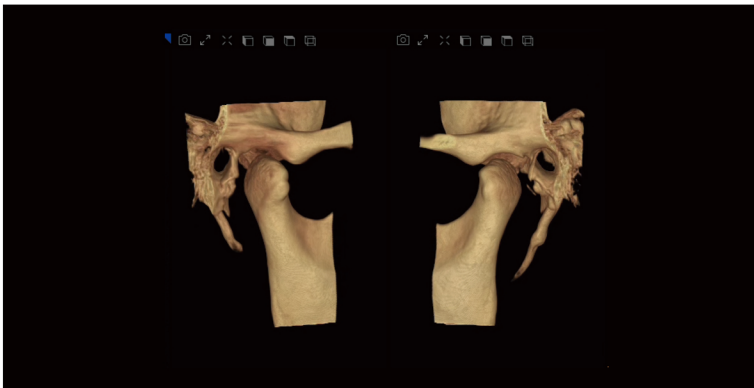


AI-Powered Orthodontic Treatment & Analysis

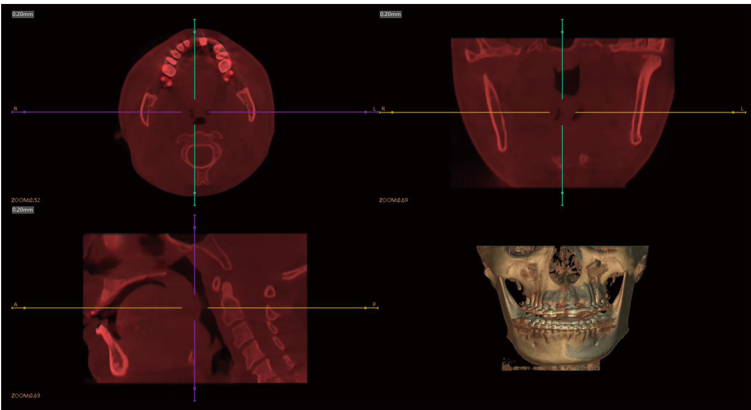
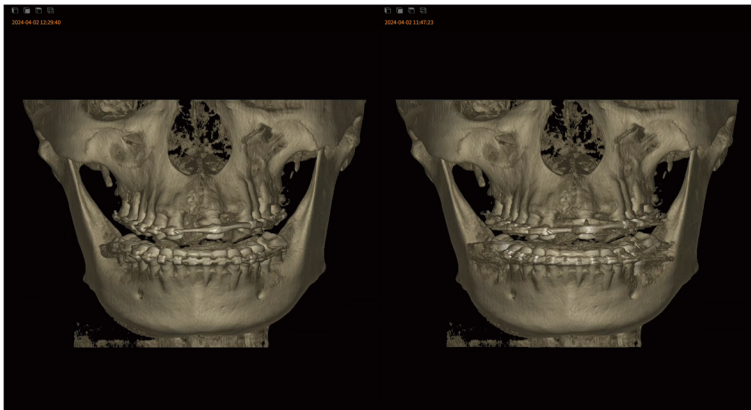
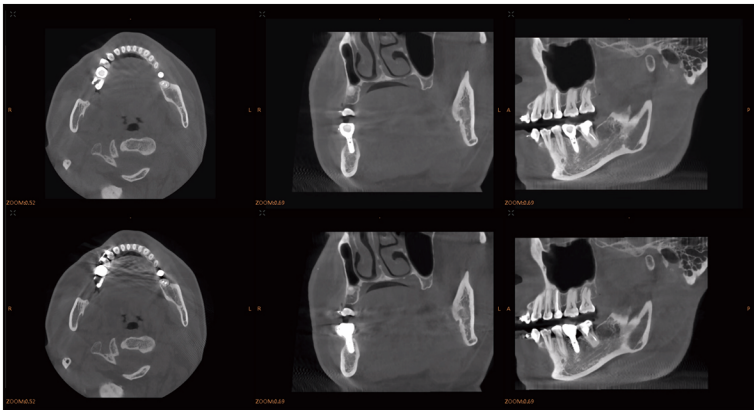
Airway Analysis



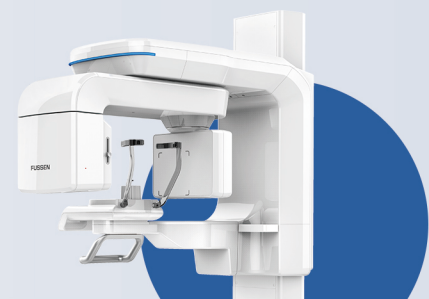
TMJ Analysis



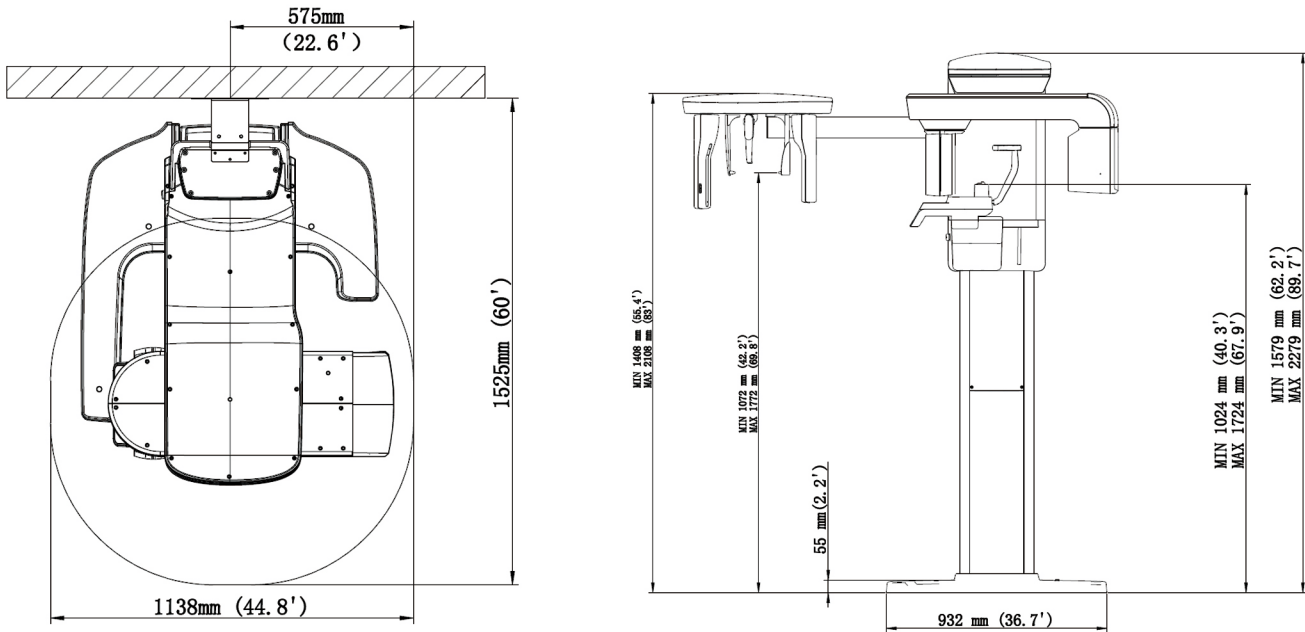
Before-and-After Comparison



TECHNICAL SPECIFICATIONS



Dimensions



MODEL	CBCT	PANO	MODEL SCAN	CEPH
RUBIK XSmart	•	•	•	Optional

Standard Workstation Computer

CPU Model: Intel Core i7-12700	Memory Capacity: Samsung 16GB DDR5-5600 4400Hz
Solid State Drive: SAMSUNG MZVL8256HEJD-00BH1 256GB	Hard Disk Drive (HDD): Seagate ST1000DM014-2UB10D 1TB
Dedicated Graphics Card: NVIDIA GeForce RTX 3050 6GB	Motherboard: 894D HP
Chipset: Intel Q670	

SPECIFICATIONS

PARAMETER

CT	FOV & Voxel Size	16*10(0.3/0.25/0.2mm); 12*10(0.2/0.15mm); 9*9(0.15mm); 5*5(0.1/0.075/0.05mm)
PANO	Standard Pano & Pano ROI	√
	TMJ Mode	Open and close
CEPH (Optional)	Lateral/AP CEPH	√
	Half Lateral/AP CEPH	√
	Carpus	√
	Water View	√
Tube Parameters	Beam Operation Mode	CT - Pulsed, PANO&CEPH - Continuous exposure
	Anode Voltage	60-120 kV
	Anode Current	2-10 mA
	Focal Spot	0.5 mm
	Exposure Time	CT-15s; CT(quick mode)-10s. PANO-15s; PANO(child mode)-7s; PANO(TMJ)-6s; CEPH(full)-15s; CEPH(half)-10s; CEPH(quick mode)-4.8s.
	Total Filtration	2.5 mm Al
Detector Parameters	Detector Pixel Dimensions	CT&PANO: 100 μm, CEPH: 100 μm
	Contrast Resolution(grayscale)	16 bits
	Detector Type	CT&PANO: FPD (A-Si), Scan CEPH: CMOS
Mechanical Performance Parameters	Dimension	3in1: 1530 (W) x1150 (L) x 2280 (H) mm 4in1: 1530 (W) x1900 (L) x 2280 (H) mm
	Weight	3in1: 235 ± 10KG 4in1: 260 ± 10KG
	Recommended Installation Space	3in1: 1630 (W) x1250 (L) x 2350 (H) mm 4in1: 1630 (W) x2000 (L) x 2350 (H) mm
Software Performance	Supported Protocols	DICOM 3.0, VDDS, CLOUD shared (DentalX)
	Workstation Local Software	Dentalflex + CTFlex
	Cloud Software	DentalX
	Reconstruction Time	CT/PANO/CEPH - 45s (Without additional algorithm selection)