FUSSEN

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V1.0 2026



RUBIK XSmart

A NEW ENTRY-LEVEL CBCT
DESIGNED FOR MODERN
IMPLANT WORKFLOW

CE FDA

FOV 5x5 ~ 16×10

120kV Xray Tube

50 µm Voxel Size

FUSSEN

YOUR FIRST IMPLANT CBCT

Designed for clinics upgrading from panoramic imaging



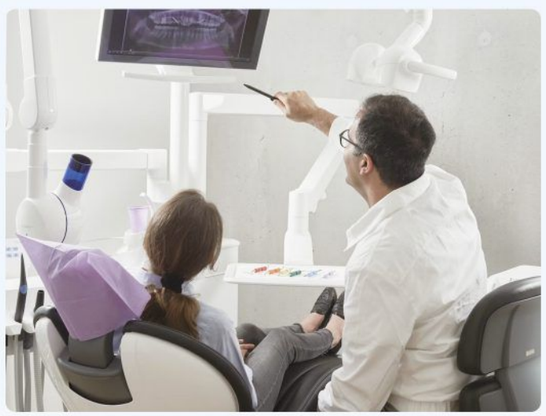
Easy to Use
Simple operation for daily workflow

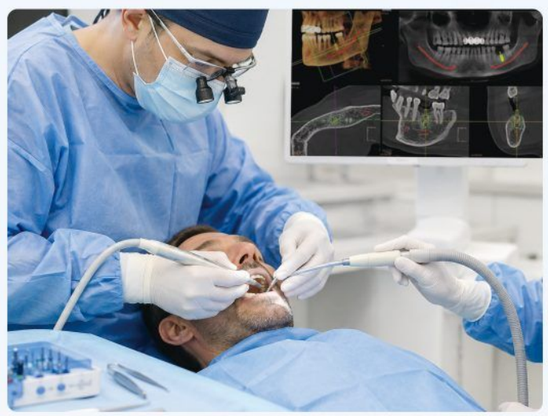
Easy with AI
Intelligent tools for faster diagnosis

Easy to Grow
Flexible FOV for expanding clinical needs

Built for growing dental practices



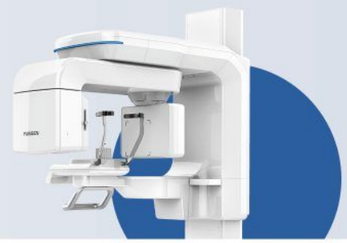






ONE SYSTEM. MULTIPLE CLINICAL NEEDS.

Select only what you need while optimizing workflow and dose efficiency



CT Flexible FOV selection from endodontics to full-arch imaging

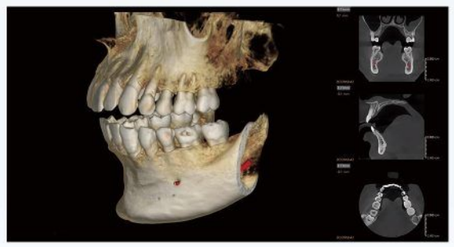
5 × 5 cm





9 × 9 cm





12 × 10 cm

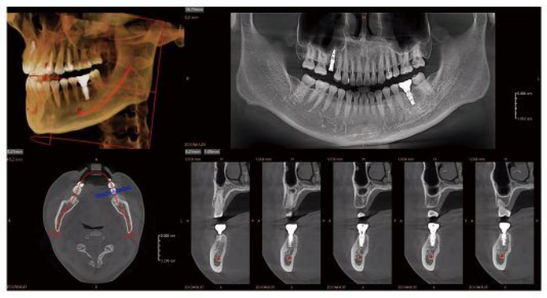


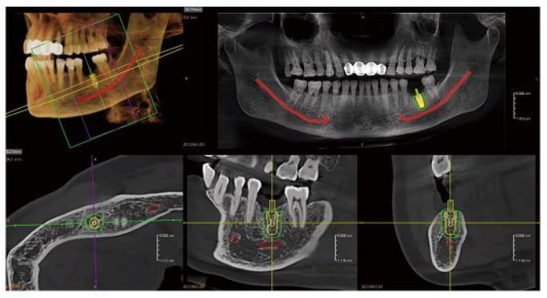


16 × 10 cm







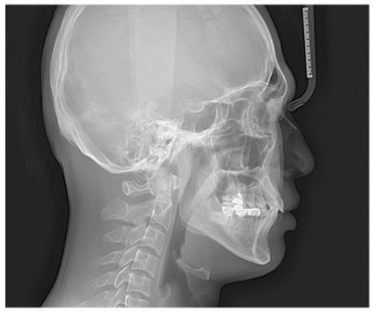


PANO





CEPH (Optional)

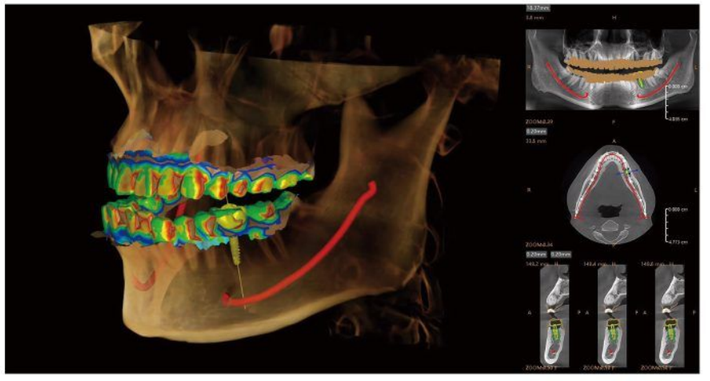






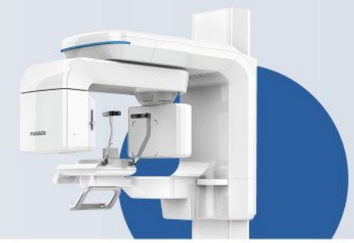
MODEL





PRECISION READY FOR IMPLANT DENTISTRY

High-resolution imaging for daily diagnosis



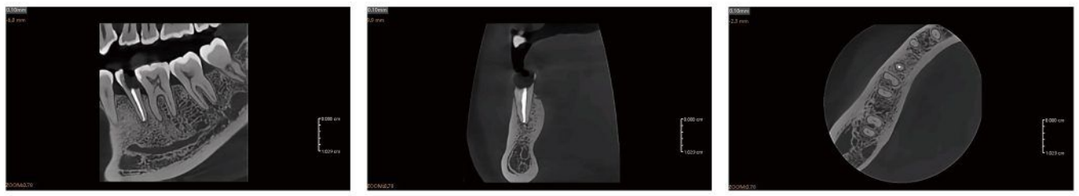
16-bit Grayscale

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



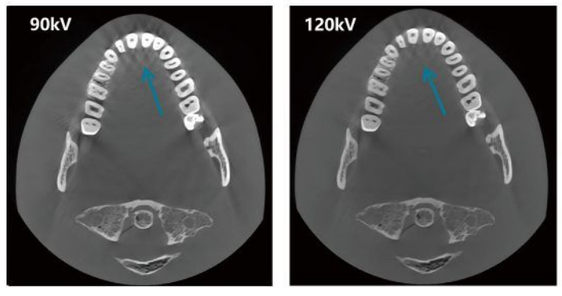
HD 50 μm Voxel

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

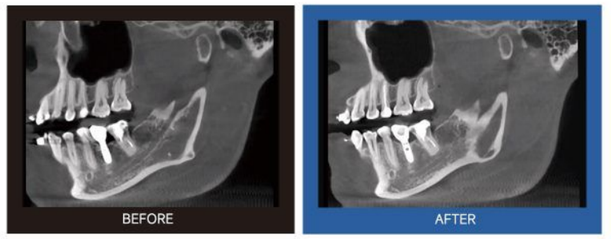


120 kV High-Voltage Generator

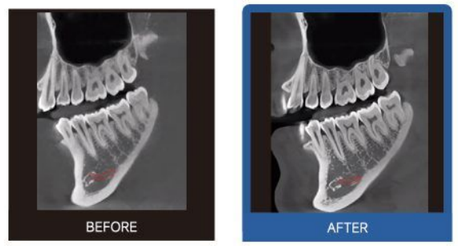
High-energy imaging technology achieves stable output while reducing noise and metal artifacts, ensuring that images remain clear even when imaging complex anatomical structures.



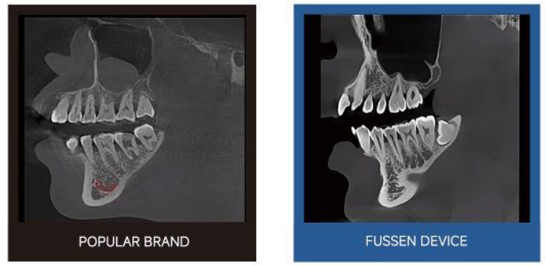
Metal Artifact Reduction (MAR)



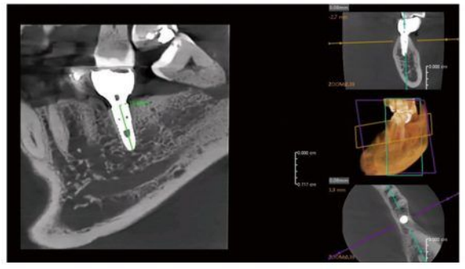
AI-Powered Low-Dose Imaging



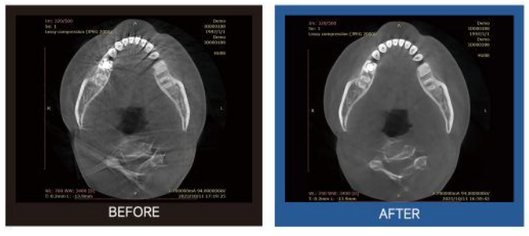
Noise Reduction & Beam Hardening Correction



Geometric Correction



Motion Correction Algorithm



Multi-Layer Panoramic Reconstruction



DESIGNED FOR EFFORTLESS POSITIONING

Faster workflow. Better patient stability.





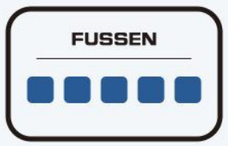
Automatic Temple Support

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

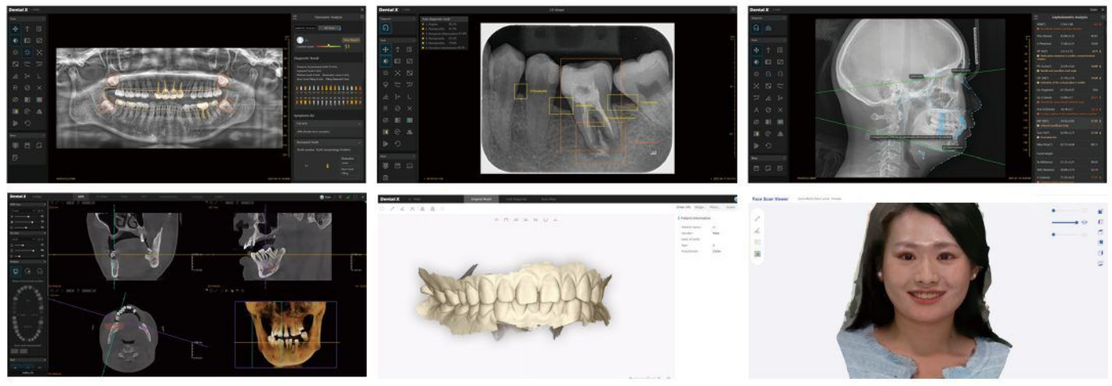


AI DESIGNED FOR EVERYDAY DENTISTRY

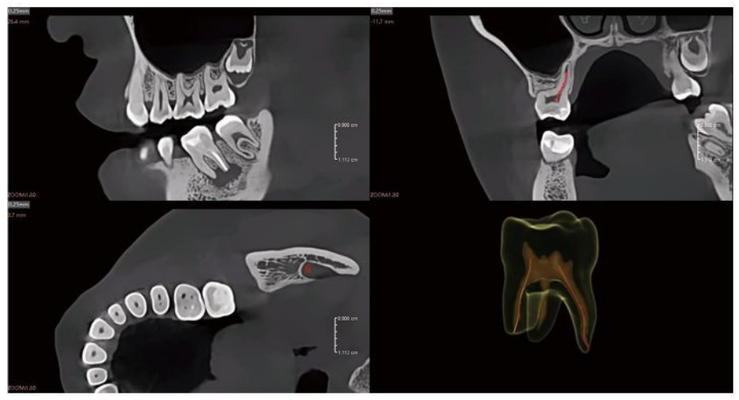
Helping clinicians work faster and smarter

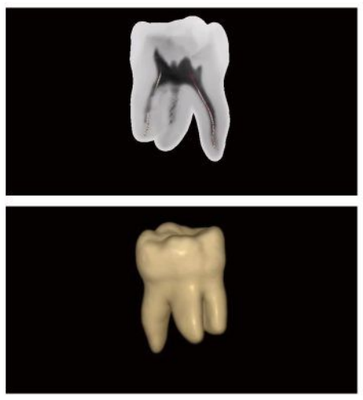


Seamless and Intelligent Workflow



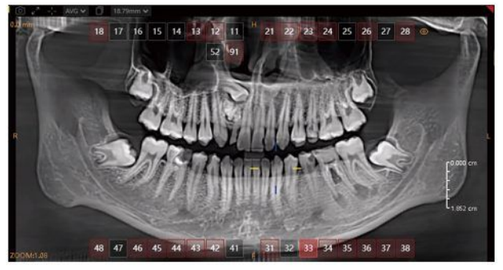
AI-Powered Endodontic Analysis



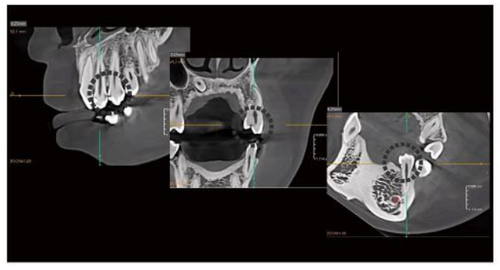


AI-Powered Diagnostic Intelligence

Rapid and Accurate Disease Detection



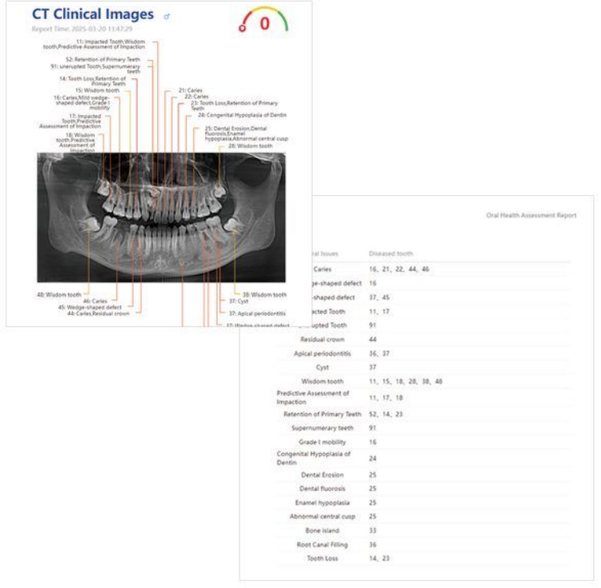
Provides Optimal Triplanar Visualization of Lesions



AI-Enhanced Patient Communication Tools







AI DESIGNED FOR EVERYDAY DENTISTRY

Helping clinicians work faster and smarter

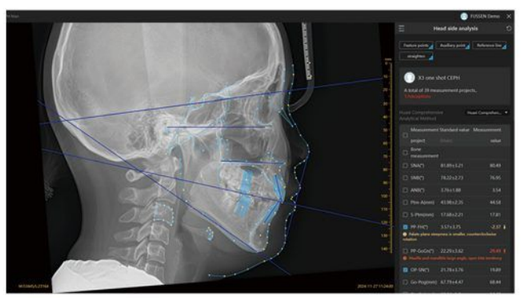


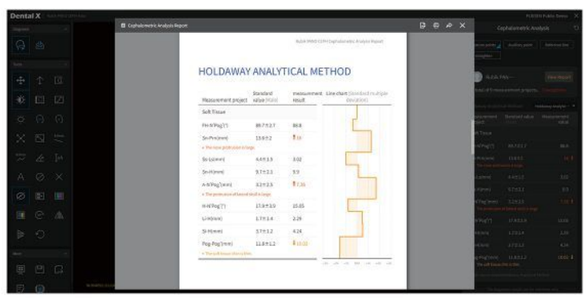
AI-Powered Diagnostic Intelligence

2D Imaging Assistant



Cephalometric Auto-Analysis





AI-Powered Implant Treatment & Surgery

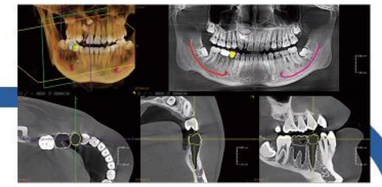
AI Implant Planning Tool



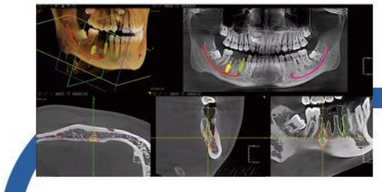
① AUTOMATICALLY MARKS THE SINUS AND NERVE



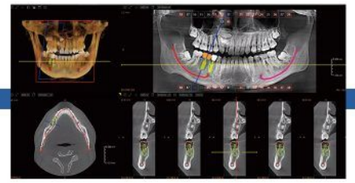
② SMART TOOTH EXTRACTION SIMULATION



③ AUTOMATED CROWN ARRANGEMENT



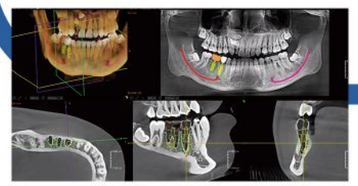
⑥ AI SMART WARNING SYSTEM



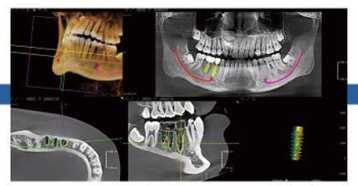
⑤ AI-DRIVEN IMPLANT SIZE RECOMMENDATION & PRECISE PLACEMENT



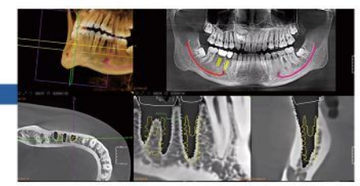
④ COMPREHENSIVE IMPLANT DATABASE



⑦ 360° COMPREHENSIVE IMPLANT-CENTERED EXAMINATION



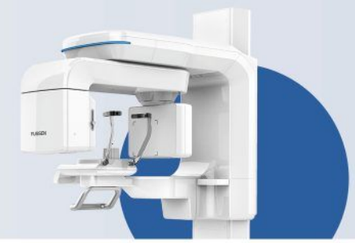
⑧ ACCURATE IMPLANT BONE DENSITY MEASUREMENT



⑨ AI SMART MEASUREMENT FUNCTION

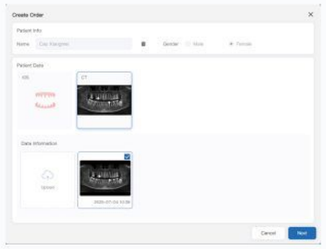
AI DESIGNED FOR EVERYDAY DENTISTRY

Helping clinicians work faster and smarter

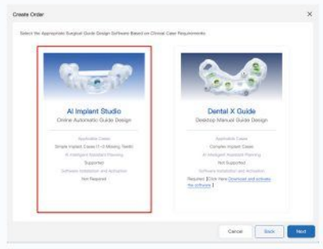


AI-Powered Implant Treatment & Surgery

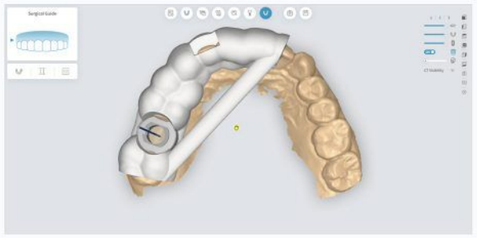
AI Surgical Guide Design



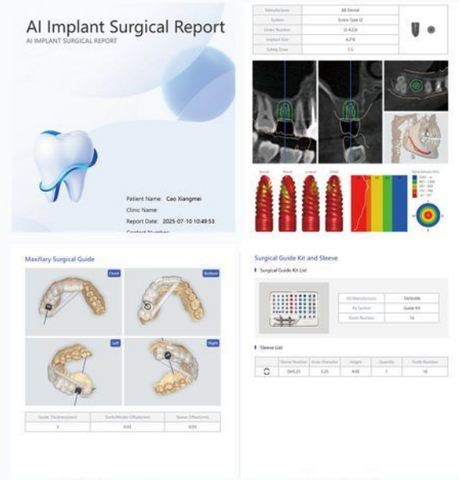
① Import CT and IOS data



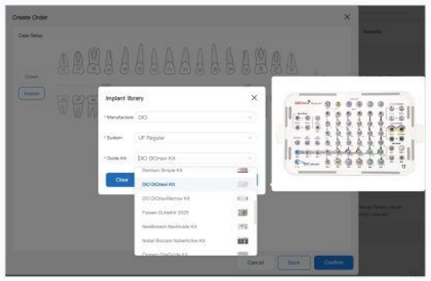
③ Select AI Implant Guide



⑤ Check the AI-designed guide



⑦ Save data to generate the implant planning report



② Select tooth position, implant brand and kit

AI Designing

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 DESIGNED FOR EVERYDAY DENTISTRY

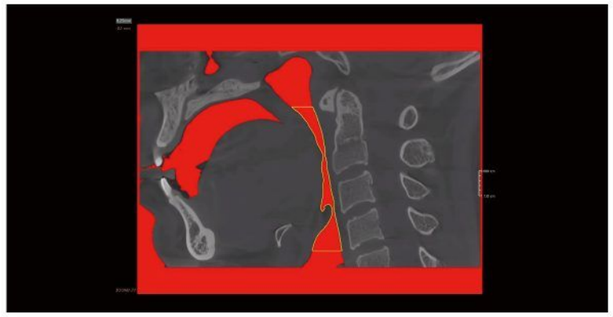
Helping clinicians work faster and smarter

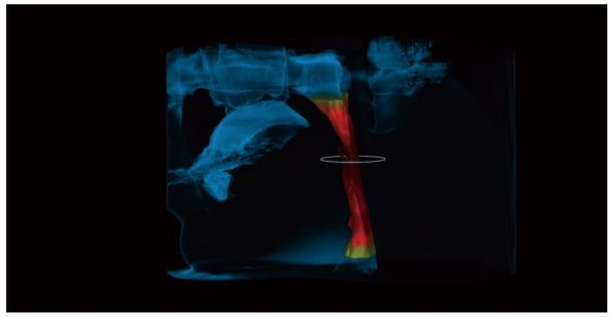


AI-Powered Orthodontic Treatment & Analysis

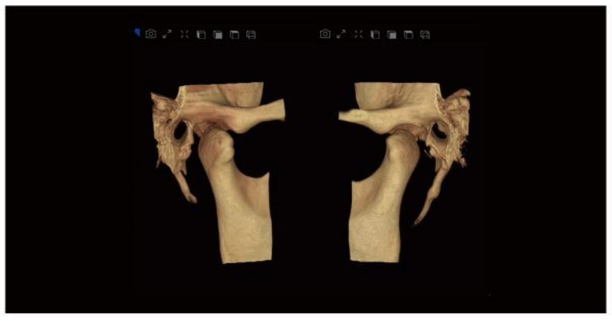
Airway Analysis

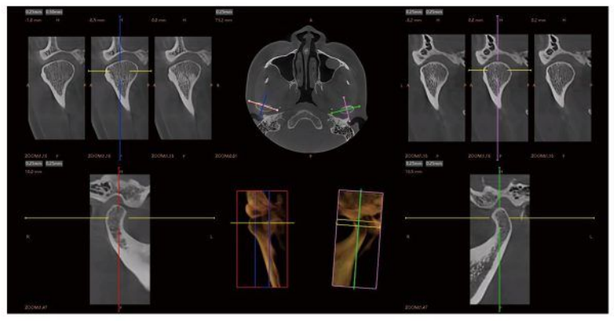






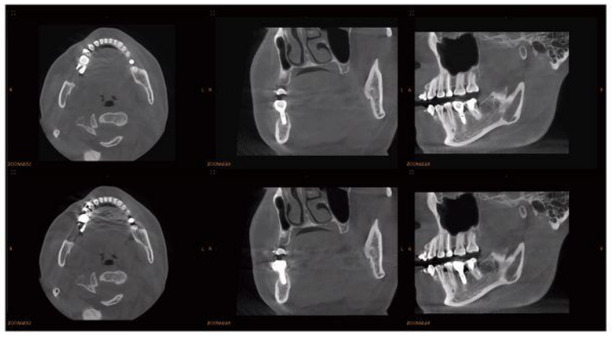
TMJ Analysis



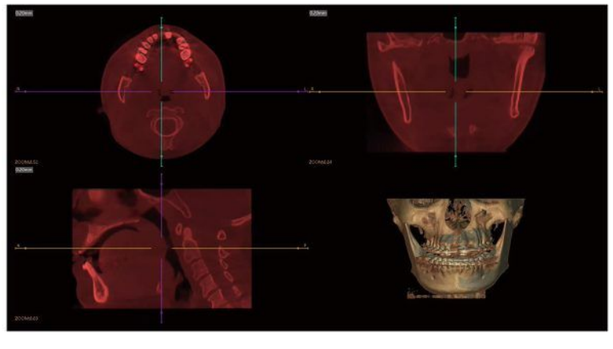




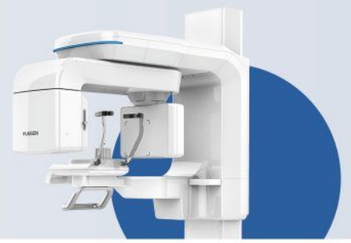
Before-and-After Comparison



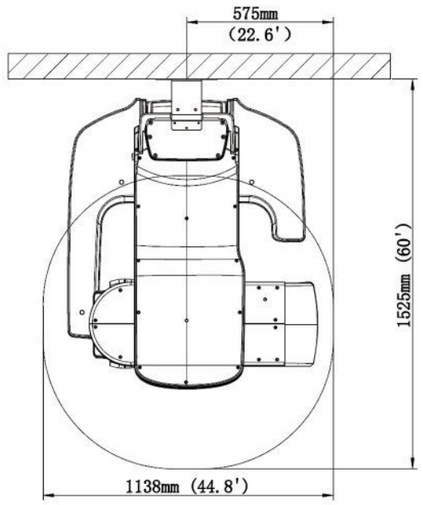


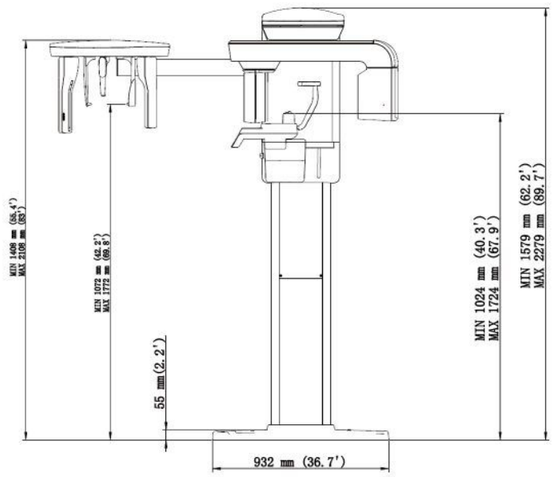


TECHNICAL SPECIFICATIONS



Dimensions





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

Standard Workstation Computer

CPU Model: Intel Core i7-12700
Solid State Drive: SAMSUNG MZVL8256HEJD-00BH1 256GB
Dedicated Graphics Card: NVIDIA GeForce RTX 3050 6GB
Chipset: Intel Q670

Memory Capacity: Samsung 16GB DDR5-5600 4400Hz
Hard Disk Drive (HDD): Seagate ST1000DM014-2UB10D 1TB
Motherboard: 894D HP

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)