MEYER

Meyer, Reliable Choice

MEYER CBCT
3D PRO SERIES

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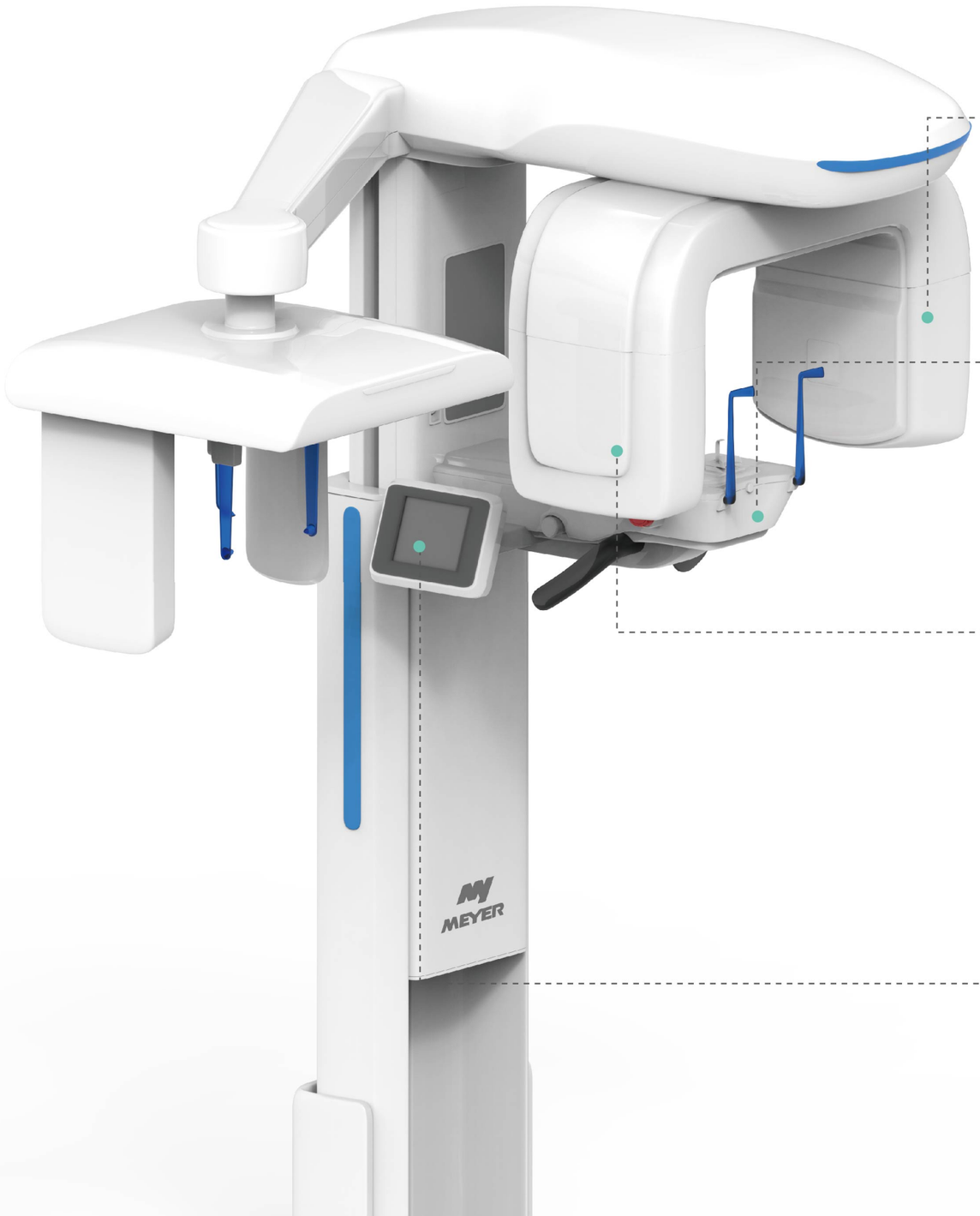
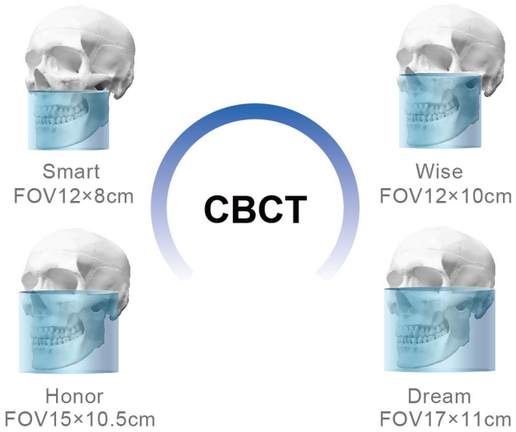
Smart Design and Configurations

Experience Efficiency Precision and Reliability



Multiple FOVs
to meet all clinical needs



5-Point Patient Positioning
easy setup with patient scanning
countdownto minimise motion artefact

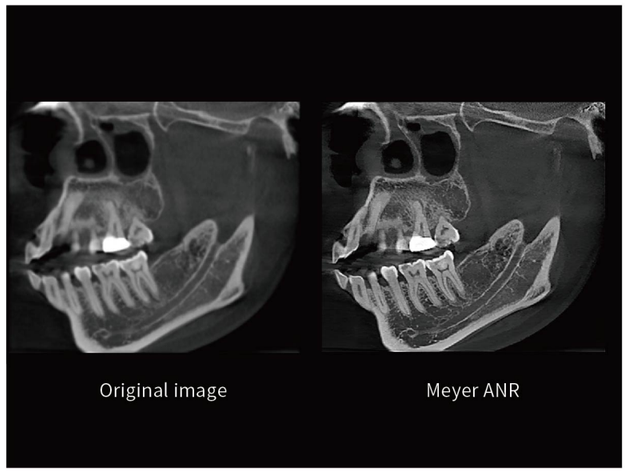
X-ray Source Oil Cooling
allows for continuous shooting and
undisruptive daily routine

360-Degree Scanning
Significantly reduces artefact and noise
delivering best possible image quality

Intuitive Touch Screen
for ease of operation

Cutting-Edge Imaging Technology

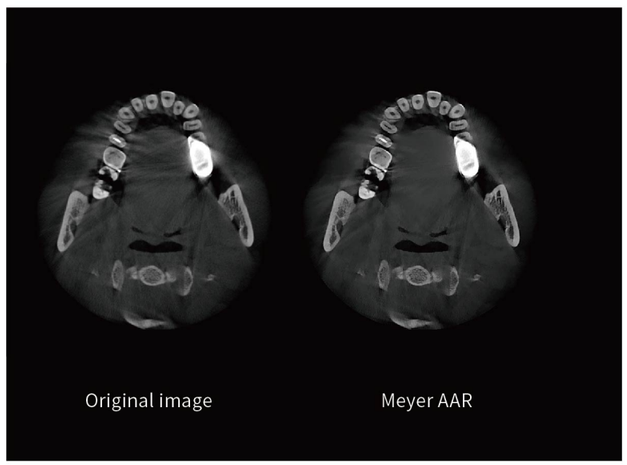
Intelligent AI Solutions for Superior Image Quality



Meyer ANR

A.I. Noise Reduction AI

·Reducing image noise and distortion.
·Enhancing overall image quality while retaining image details.
·Displaying all details in Endo Mode with improved clarity.



Meyer AAR

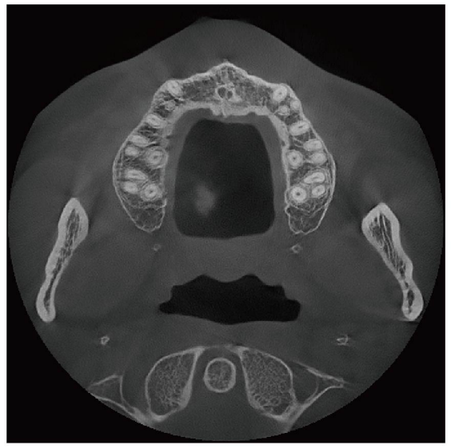
A.I. Artefact Reduction AI

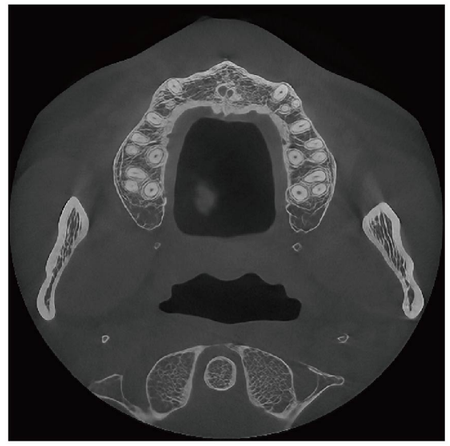
·Significantly reducing artefacts caused by metallic substances, such as implants and metal dental crowns.
·Ensuring image quality and reducing the need for retakes.

Meyer PD

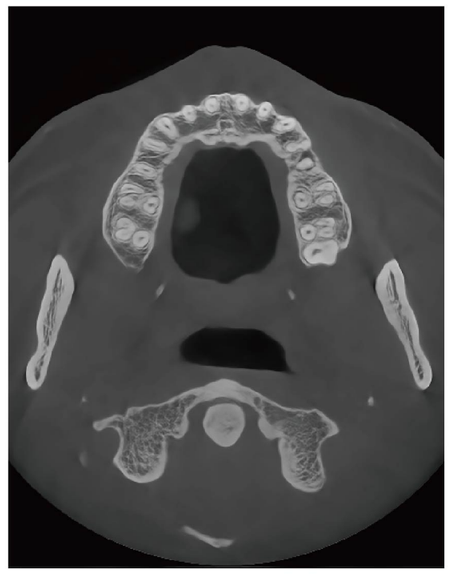
“Pure Detail” - Next-Generation Imaging Technology AI

·Delivering exceptional image quality whilst retaining true image texture.
·Clear Vision of all details for accurate diagnosis and planning.
·Exceptional image quality with low dose.


Without PD


With PD

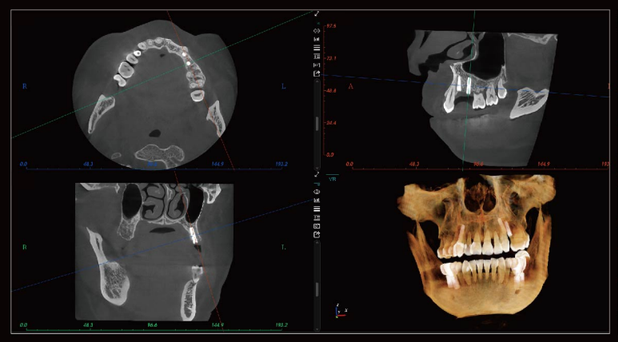

Without PD


With PD

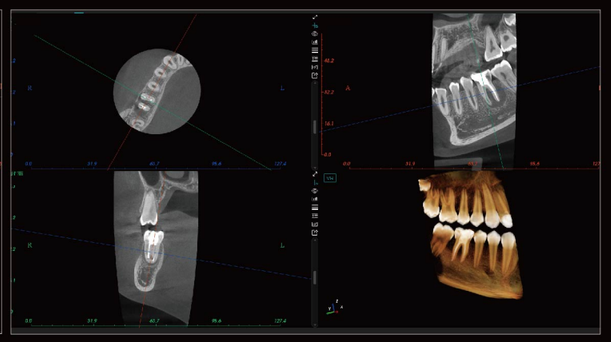
Diagnose

Clinical Cases

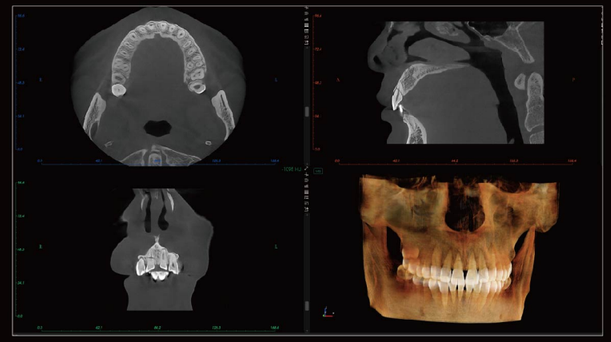
Enhanced Patient Care and Communications



Multi-Implant

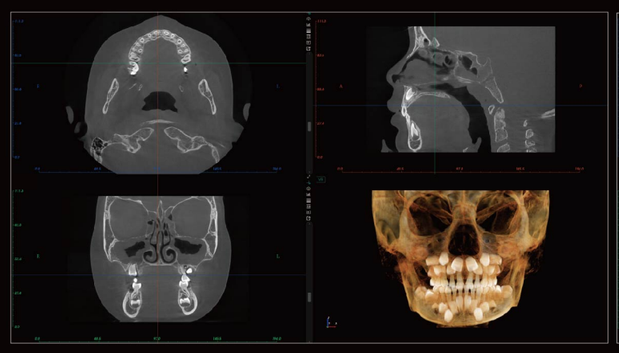


Postoperative pulp cavity morphology

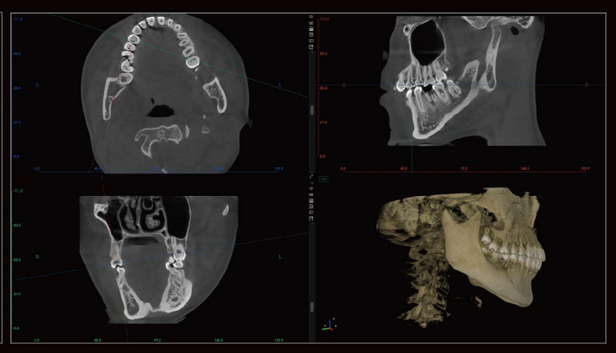


Teeth Fracture

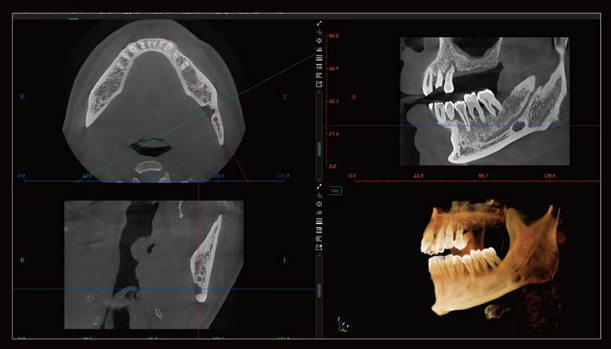
Complex Wisdom Tooth Evaluation



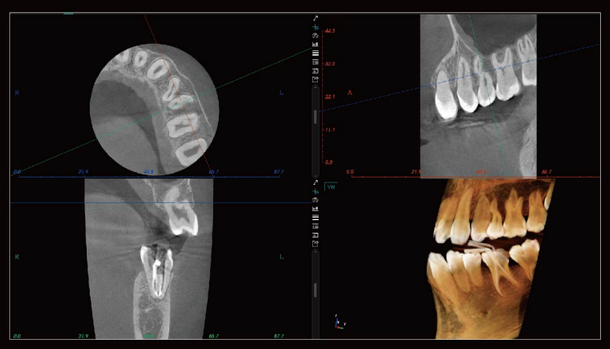
Child's primary dentition stage - mixed dentition stage



Dental caries



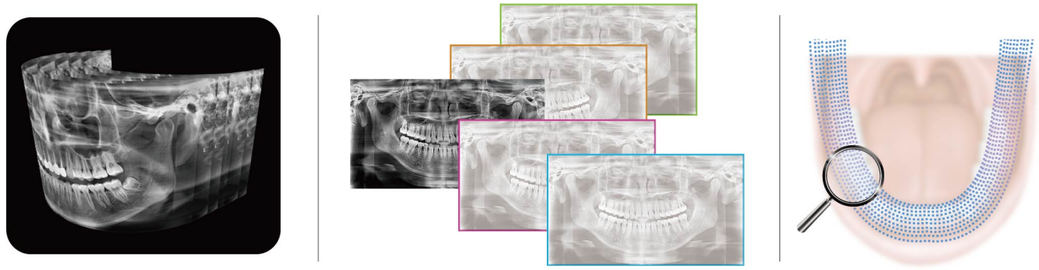
Periapical cyst swelling/inflammation
（Low-density image）



Dental ectopia, malformation

AI Multi-layer Panoramic Scan

Intelligent AI Solutions for Superior Image Quality



Multi-layer slices to generate panoramic images.

Three selectable dental arch forms, tailored to different types of patients.

·Each patient has a unique dental arch curve. Our machine offers three selectable dental arch forms while also intelligently matching the patient's dental arch form to acquire optimal imaging results.

Auto Focus AI

Utilizing multi-layer slice imaging, AI automatically selects the optimal region, applies auto focus, and performs image fusion.

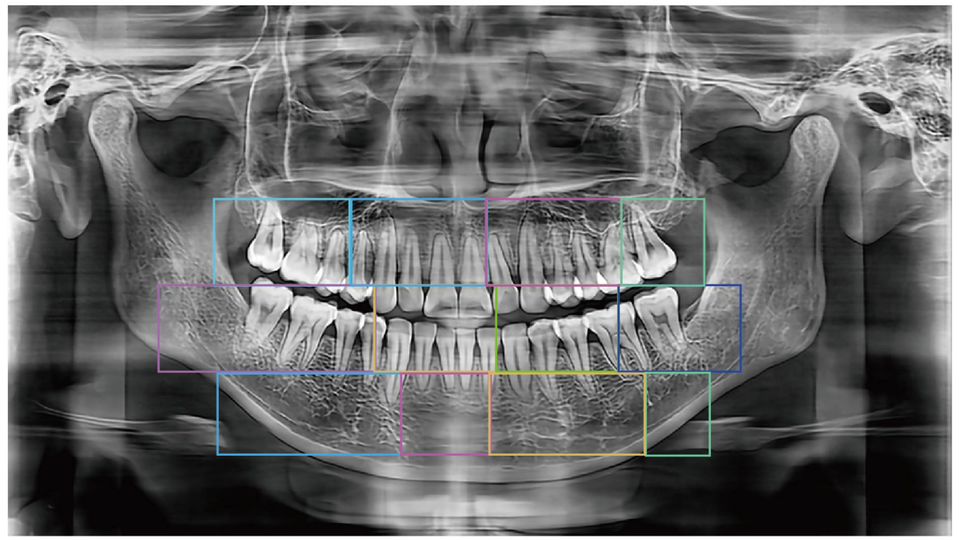
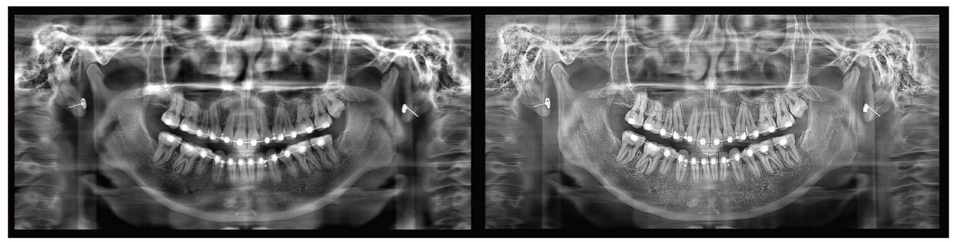
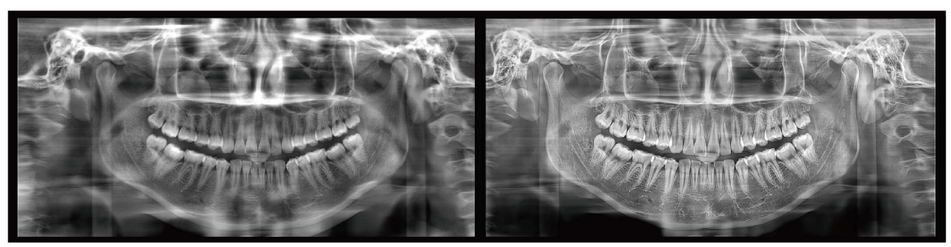


Image Enhancement AI

PD”Pure Detail” Panoramic Post-processing Algorithms.



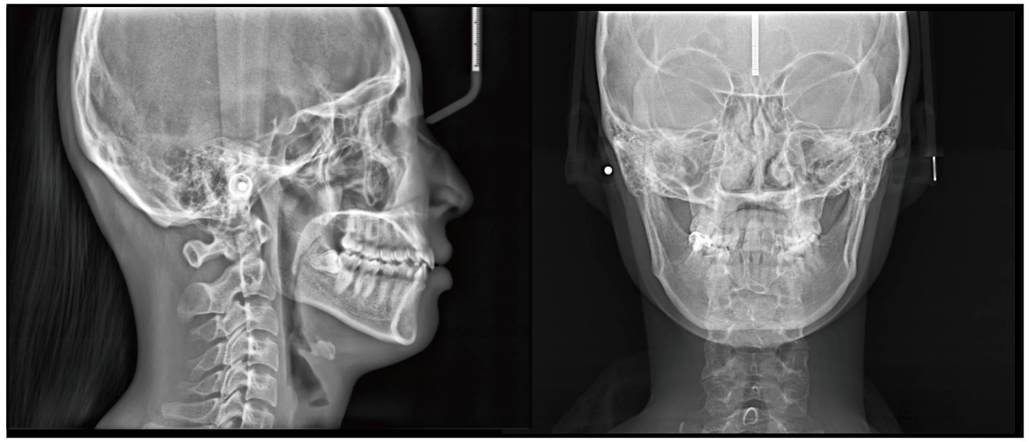
Original image PD image



Original image PD image

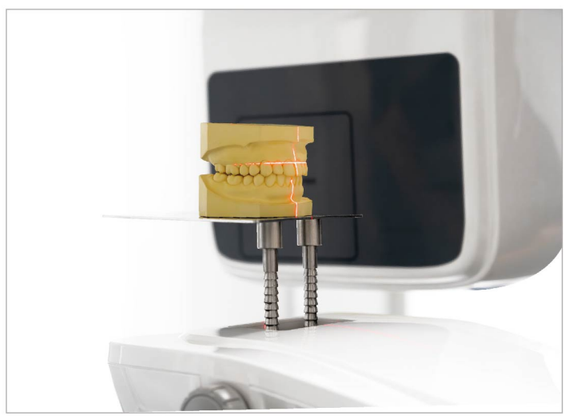
Ceph & Model Scan

Precision Beyond Imaging



Ceph Image

·Easy to obtain high grayscale, high-resolution Cephlometric images.
·Through dual-level collimation adjustment, a significant reduction in radiation dose has been achieved.
·The high-quality Cephlometric images enable precise planning for orthodontics and maxillofacial surgeries.



Model Scan

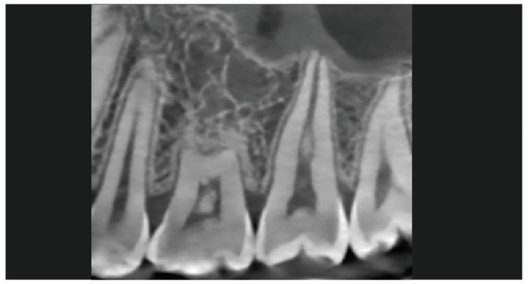
·Convert plaster or silicone models into digital models.
·Specialized model tray.
·Model scann function included in the entire product series as standard.

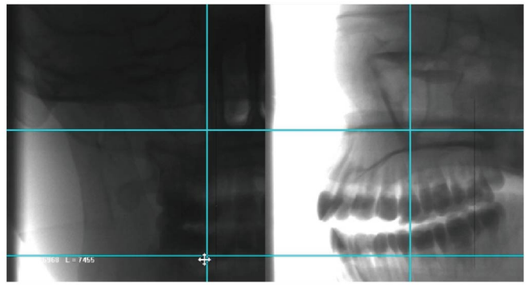
Endo Scan

Unparalleled Image Quality

Meyer CBCT offers ultra-high resolution imaging at 70μm to meet endodontic requirements.

Together with the 360 degree full scan to minimise artefacts and maximise image quality.



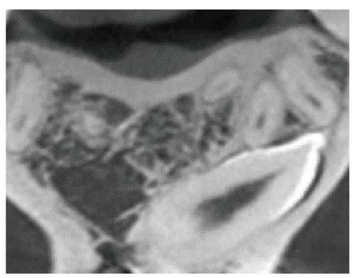


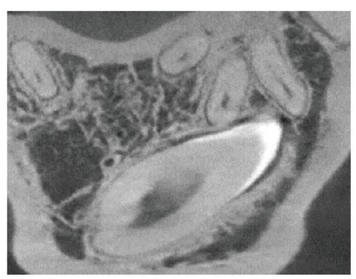
Endo Mode*, HIGH RESOLUTION FOV 3.4x3.4cm, Voxel 70μm

The ideal choice for endodontic treatment.
Ultra-high resolution imaging for clearer visualization by doctors.

Scout View*

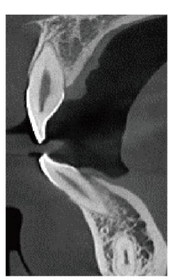
Pre-exposure helps in selecting the right position, reducing retakes.
3-zone selection, free positioning, capture wherever desired.

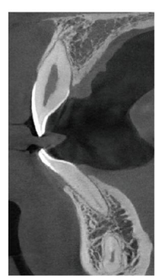




Original

Endo





Original

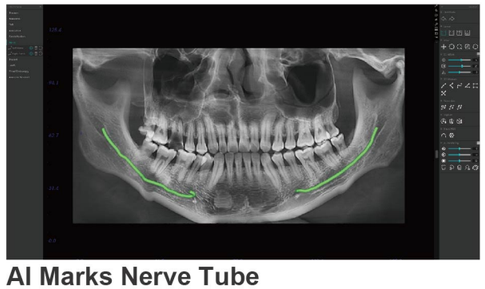
Endo

* Only available for Smart and Wise models

MyDentViewer

Most Artificially Intelligent 3D Software AI

Our imaging software MyDentViewer implements AI technology to continuously optimise accuracy and efficiency of clinical diagnostics.

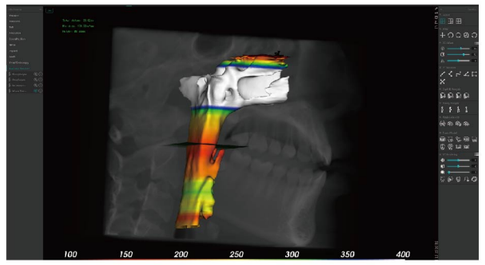


AI Marks Nerve Tube

Accurate nerve tube annotation in less than 10 seconds, freeing the doctor's hands from complex annotations.

AI Marks Root Canals

AI annotates root canals, revealing hidden root canals without any escape.

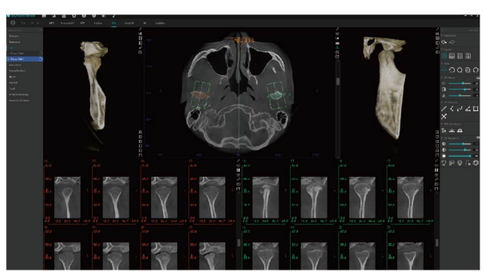


AI Airway Analysis

One-click acquisition of airway data, three-dimensional visualization of airway morphology, simplifying the diagnostic process.

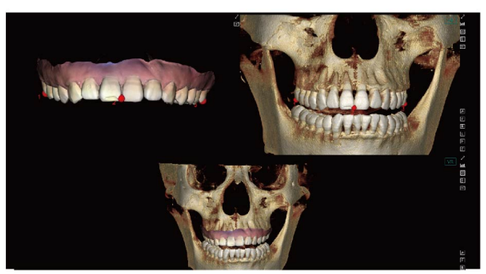
AI Tooth Segmentation

Automatically obtain segmented tooth data for clearer visualization. Simulate orthodontic teeth alignment to facilitate doctor-patient communication.
Simulate orthodontic teeth alignment and auto generate Ceph measurement report.



AI TMJ Auto Positioning

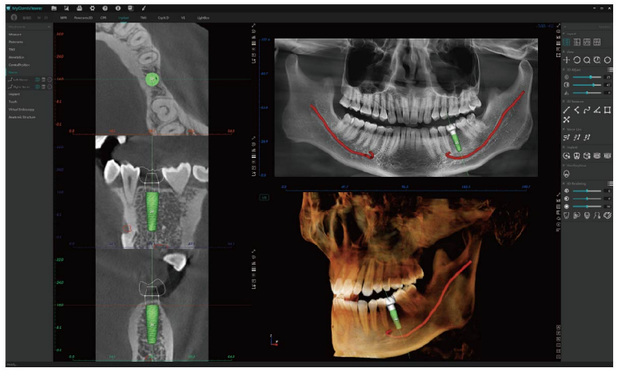
The software automatically locates the patient's area, if present.
It allows for flexible adjustment of TMJ slice parameters. Enable 3D visualization for observing the morphology of the TMJ.



3D Registration of Face and Jaw Data

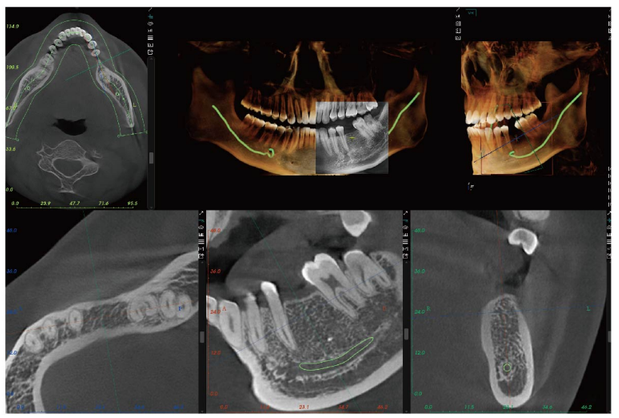
Face, upper jaw and lower jaw scans of the same patient can be registered by the software to simulate a superimposed model.

Implant Simulation



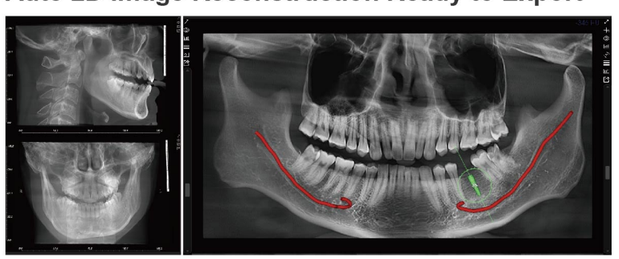
The software includes an extensive implant library.
3D implant simulation with auto bone density analysis and implant collision detection.

Quick Positioning and Navigation in Panorama3D



·Simply drag the VOI box on the 3D panoramic image for quick positioning.
·Immediate 2D sectional views of the VOI box facilitates local diagnosis with an Endo touch.

Auto 2D Image Reconstruction Ready to Export



·No need for a second exposure.
·Auto reconstructed OPG.
·Auto reconstructed Lateral/Frontal Ceph.

We comprehensively
integrate sustainability into our system

“Green design” in our research process utilises sustainable technology, materials, and crafting to minimise waste generation while maintaining high quality and efficiency. For example, the implementation of 3D printing in designing new products has substantially shortened our research period; the substitution of welding and polishing with bending and riveting is more environmentally friendly.

“Green manufacture” is also part of the intelligent manufacturing system developed by Meyer, including the internalisation of the automated lacquering technique to minimise waste generation, equipment technology upgrade to reduce emission, and increasing application of automation in factories to reduce labour while promoting product stability and consistency.

Technical Specifications

Product Configuration			
	CBCT	PANO	CEPH
SS-X9010DPRO-3D	√	√	-
SS-X9010DPRO-3DE	√	√	√

Models	FOVs	Resolution
Smart CBCT	12x8cm, 3.4x3.4cm	70 - 420 μm
Wise CBCT	12x10cm, 3.4x3.4cm	70 - 420 μm
Honor CBCT	15x10.5cm, 8x10cm	180 - 420 μm
Dream CBCT	17x11cm, 5x8cm	80 - 420 μm

Parameter	All Models
Resolution in 3D: Voxel size	From 70 - 420 μm
Scan time (exposure time)	CBCT: 20s (8.7s), PANO: 17s, CEPH: 12s, ENDO:12s
Child Mode	Yes
Reconstruction time	Less than 60s
Focal spot	0.5mm(IEC 60336)
X-ray tube current	2-10mA (1 mA adjustable)
X-ray tube votage	60-90kV (1 kV adjustable)
Gray Scale	16bit (65536 Gray levels)

Dimensions	Without Ceph	1065mm (L) x 1415mm (W) x2485mm (H)
	With Ceph	1880mm (L) x 1415mm (W) x2485mm (H)
Weight	Without Ceph	220 Kg - 485 lbs
	With Ceph	260 Kg - 573 lbs

Operation	Touch-Panel / Remote Control
Patient positioning	Standing/seated, chin rest, biteblock, ear clips and forehead support
Wheelchair accessible	Yes

Nominal supply voltage	200-240V/90-110V
Input power frequency	50/60Hz