



DENTIO III

Digital Panoramic and Cephalometric Imaging

DENTIO III



ALL-IN-ONE World Best Dental X-ray System

Two in One System

- The system that integrated two X-ray device into one equipment.
- Panorama, Cephalo

Separable Cephalo system

- The Cephalo imaging system can be separated according to customer needs.

Optional detector

- Detectors are available for purchase depending on customer needs.
- Exclusive Panorama
- Panorama/ Cephalo combo

A variety of capturing function

- Capturing Panorama supports normal and TMJ mode.
- Capturing Cephalo supports Lateral, PA, SMV, and Carpus mode.

Image Processing Algorithm(Image quality enhancement)

- Panorama and Cephalo provide quality images by optimized image processing algorithm and imaging filter option for taste of customer.

LCD module with Touch panel

- LCD module with touch panel enables users to manipulate the equipment quickly and easily by providing intuitive letters and graphic-user Interface.

Auxiliary laser beam

- Three laser(horizontal, vertical and canine) beams assist to make the device align with patients' teeth.

Software(User Friendly Software)

- The latest imaging tools and new features can be updated with providing on-site training service.

DICOM 3.0 compatibility(DICOM 3.0 compatible)

- All the data, can be transferred and searched, interface with DICOM-compatible PACS.

Parallel moving Cephalo System

- Reduce Cephalometric imaging distortion

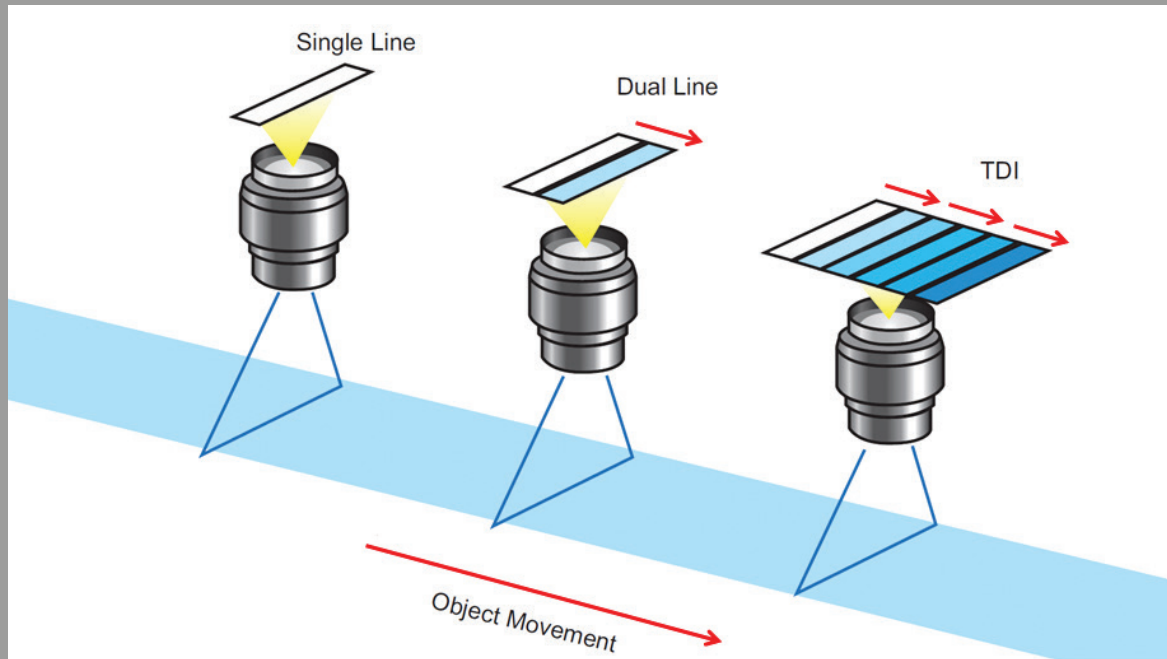
Using the TDI Technology Detector

- Low X-ray, High image Quality.

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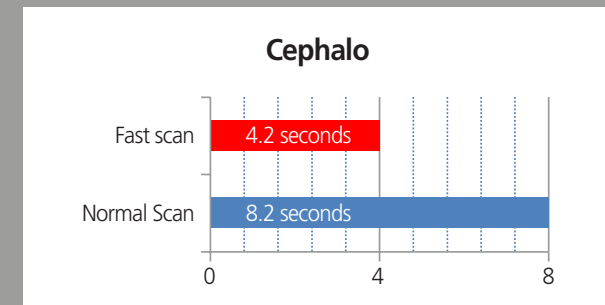
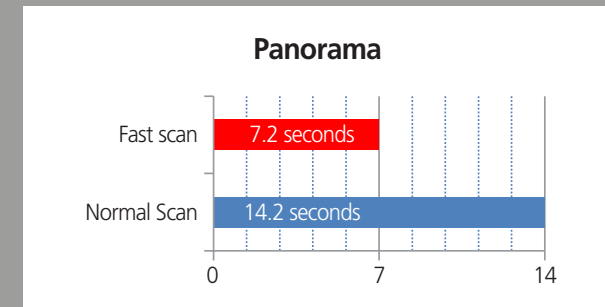
Time Delay Integration(TDI) Technology

To achieve high responsibility, TDI uses multiple stages to capture multiple exposures. In these stages, photogenerated signal charges are transferred in sync with object motion.



Cut scan time in half

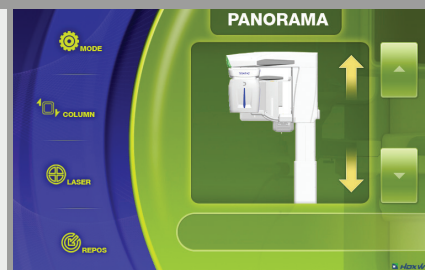
Less radiation dose
Less artifact by patient's movement
Less waiting time for patient



Patient Positioning



Beam Alignment
- Frankfurt beam
- Canine beam
- Vertical

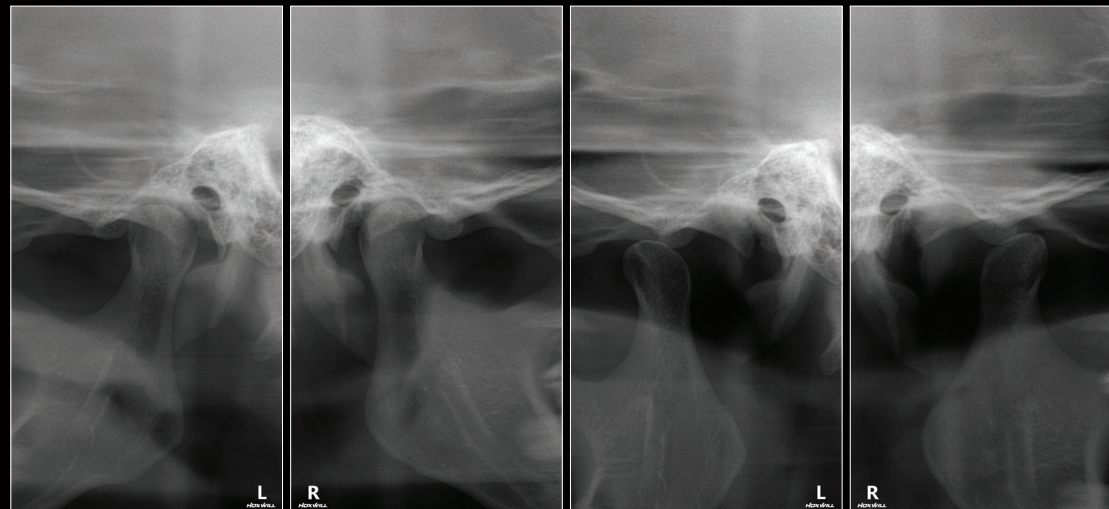
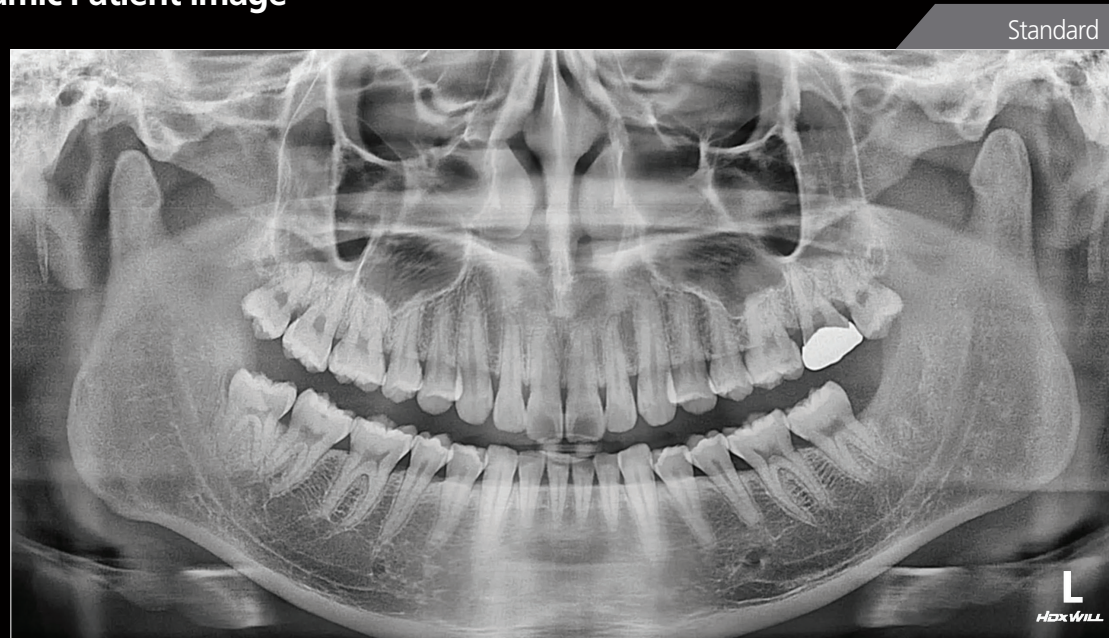


Touch panel
- kV, mA Setting
- Column up/down
- Laser On/Off
- Restore default position



**Wheelchair,
Children**

Panoramic Patient image



Cephalometric Patient image



TMJ

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For better image (Normal scan: 14.2 seconds)



For low dose (Fast scan: 7.2 seconds)



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For better image (Normal scan: 8.2 seconds)



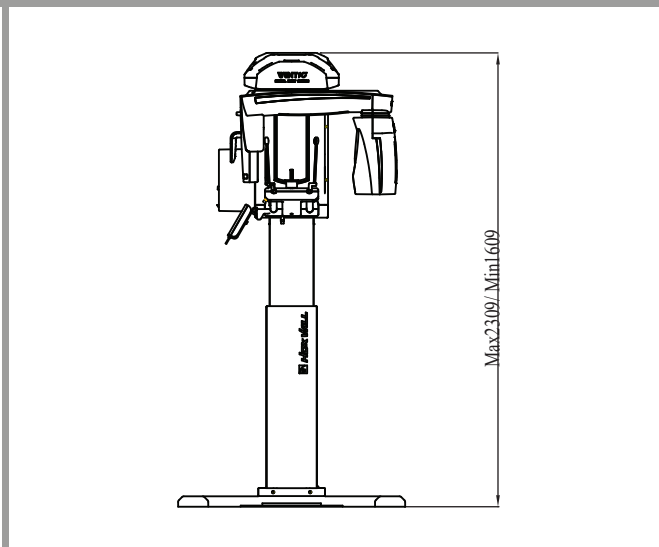
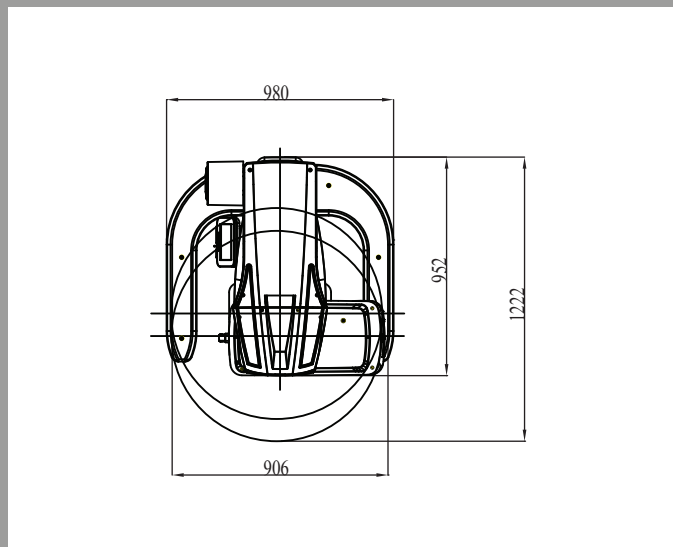
For low dose (Fast scan: 4.2 seconds)



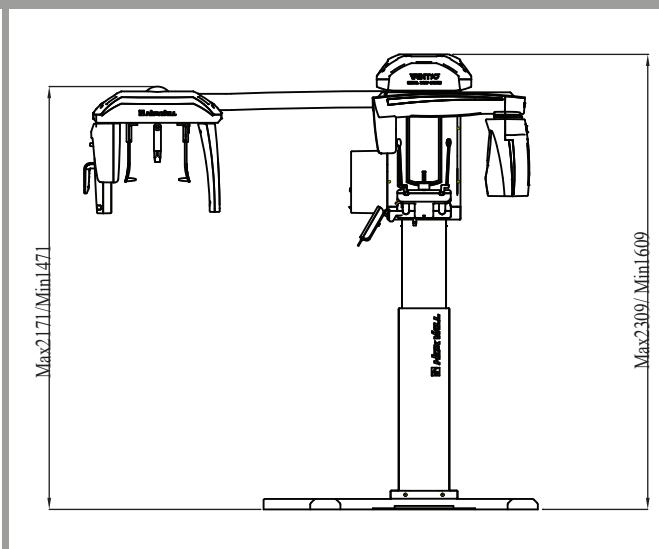
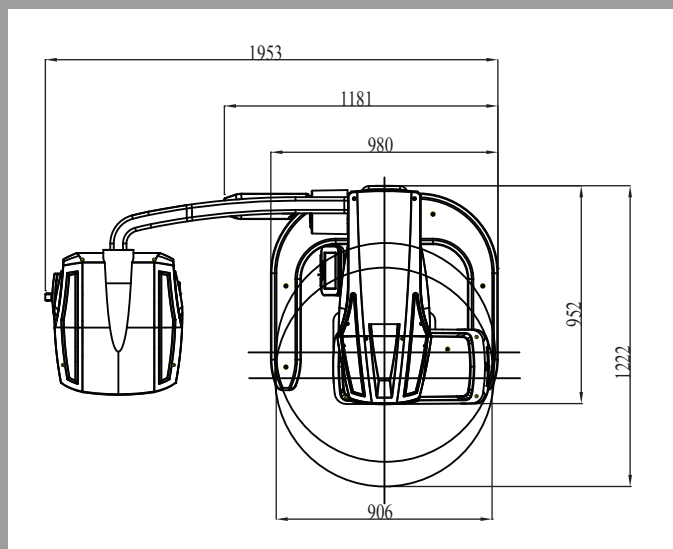
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Unit Dimensions

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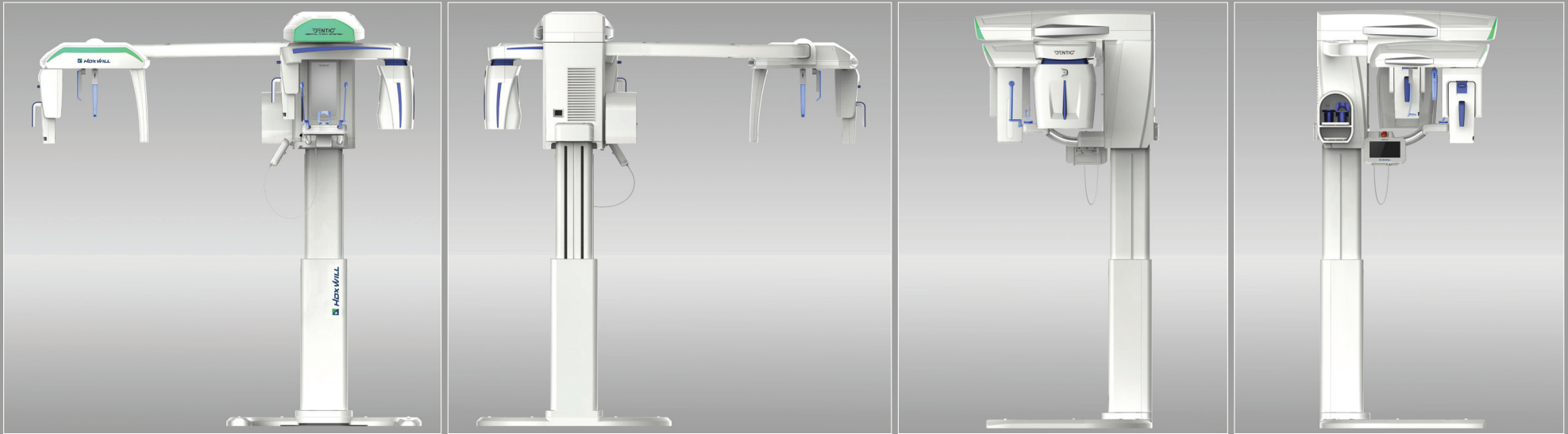
DENTIO III-S



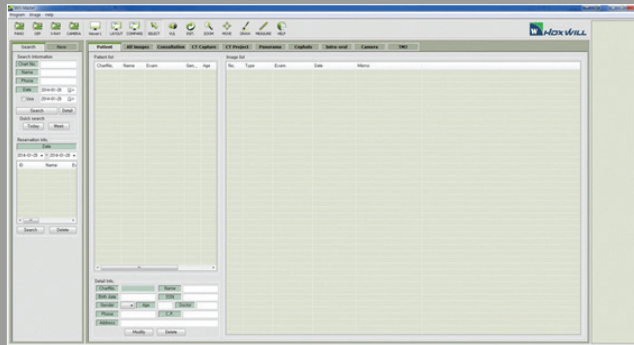
Technical Specifications

X-ray Beam	Cone beam
kV Range	50 kV ~ 90 kV
mA Range	4 mA ~ 10 mA
Gray Scale	16 bits
Detector Type	TDI CCD
Focal spot	0.5mm
Scan Time	Panorama : 14.2 s (Normal) / 7.2 s (Fast) Cephalo : 8.2 s (Normal) / 4.2 s (Fast)
Patient position	Standing
Dimension (WxDxH)	With Cephalo : 1953 mm × 1222 mm × 2309 mm Without Cephalo : 980 mm × 1222 mm × 2309 mm
System Weight	With Cephalo : 160 kg (tolerance ±10 %) Without Cephalo : 130 kg (tolerance ±10 %)

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Software



Will-Master
Patient Image Management Software



Will-Capture (Panorama)
Panorama Imaging Software



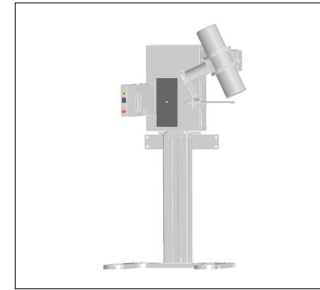
Will-Capture (Cephalo)
Cephalo Imaging Software



DINNOVA3
CBCT System



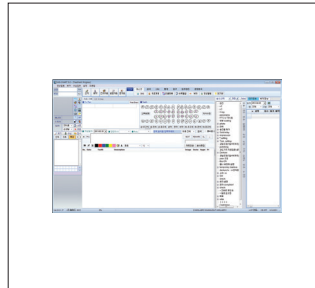
DENTRI
CBCT+PANO+CEPHALO System



DR.TMJ
TMJ system



W
Unit chair (HDX SKY)



WILL-CHART
EMR system



DENTRA
Oral Sensor System



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