See More

See Clarity

DENTRI α
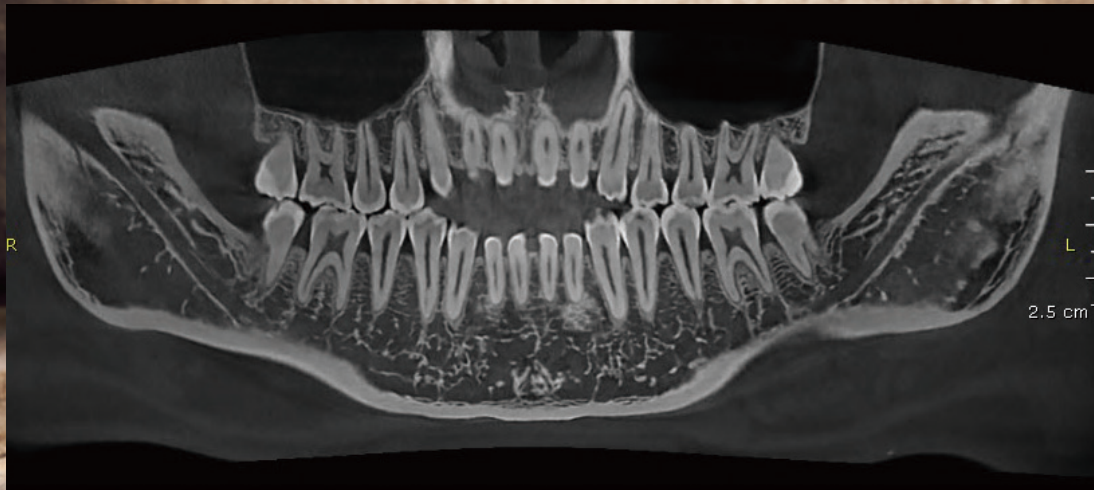
HDX CYOPTIX

Our ongoing software technology development creates striking contrast and sharpness of images. We strive to provide you with the latest technology.

Explore the transition with CYOPTIX

Enhanced Recon Algorithm Applied

Dentri α™ Classic

Renowned for its Crisp, Ultra-HD imagery, Dentri α Classic will become an indispensable part of your expanding practice. Powerful yet flexible, the Dentri α Classic provides a wide Field of View (FOV)16 x 8cm and crisp panoramic imaging.

FOV 16x8cm

Dentri α™ Extended

The Dentri α Extended CBCT expands the Field of View (FOV)16 x 14.5cm. Extended allows for an expanded view of facial structures, sinus, TMJ, and dentition with the quality images Dentri α provides.

FOV 16x14.5cm
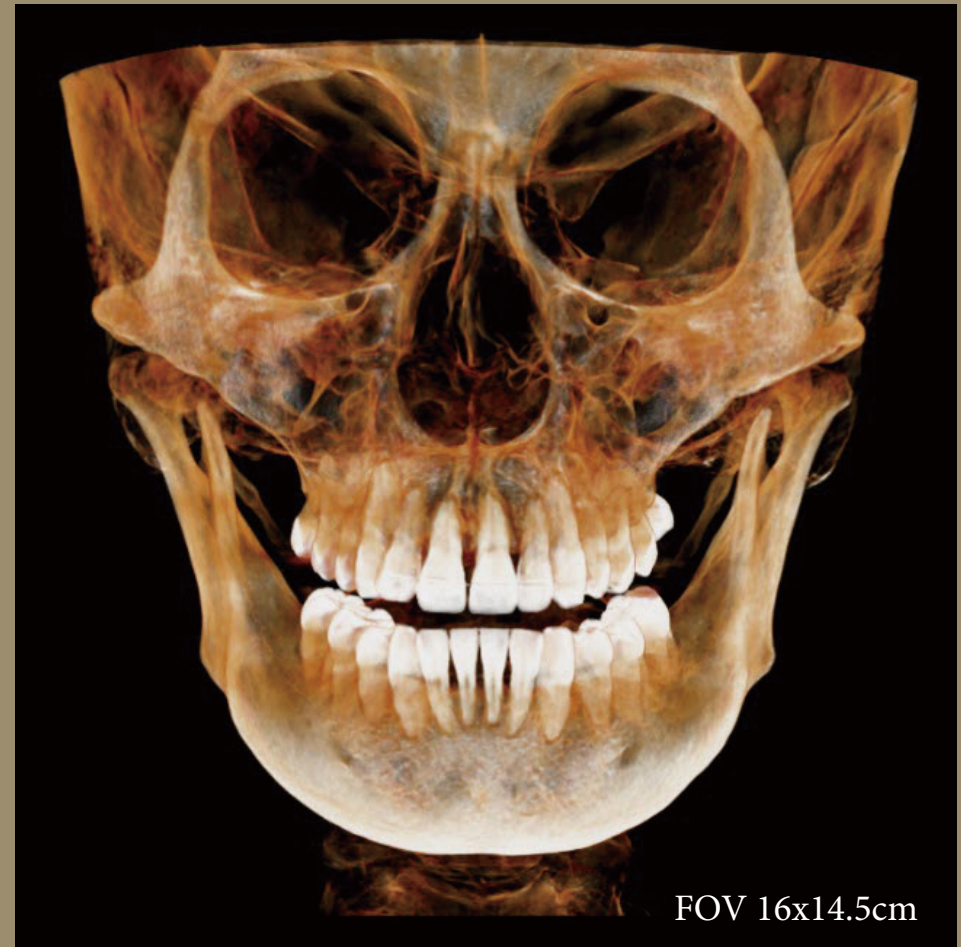
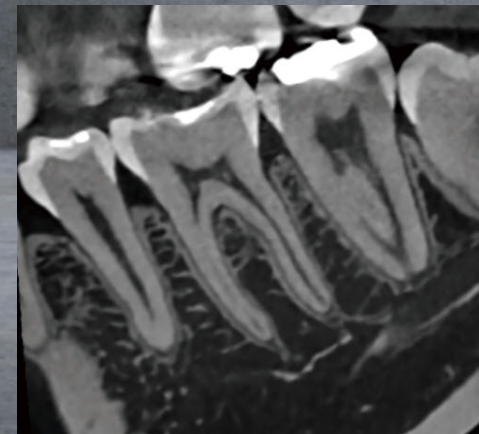# Free Field of View

Capture ANY SIZE for diagnosis

Implant evaluation

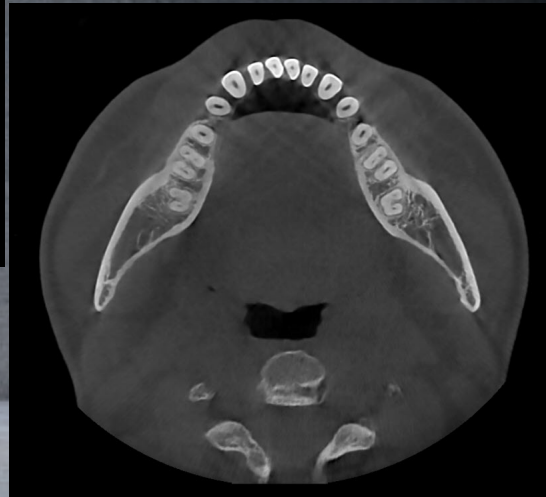Buccal View In-Occlusion

Voxel Size

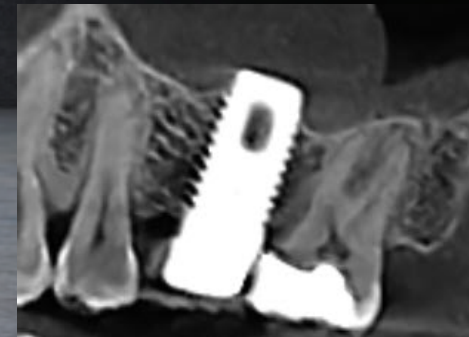

Precise Diagnosis
Min 0.1mm voxel size

Ultra Fast Scan

Metal Artifact Reduction
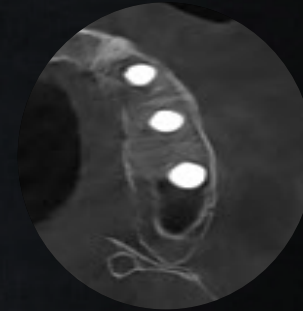

Normal Scan

Ultra Fast Scan

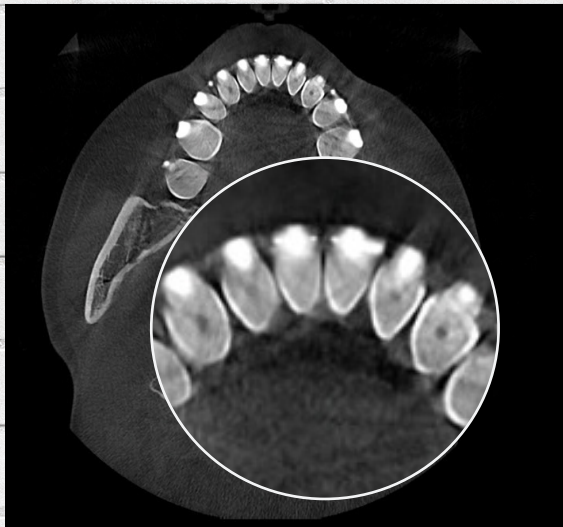Ultra Fast Scan- Reduces motion artifacts and lowers radiation dose
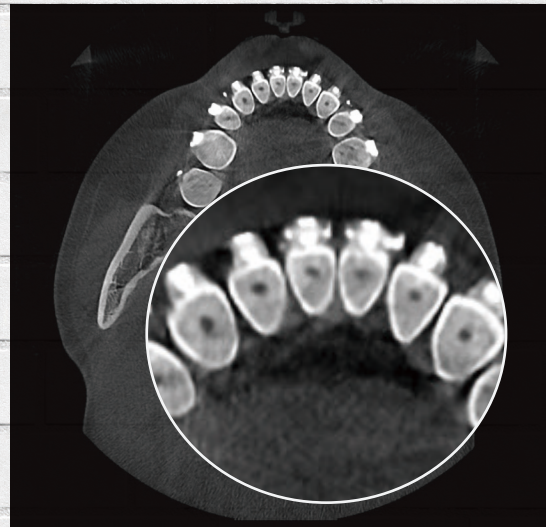
MAR- Reduces metal artifacts for diagnosis

PrecisionMAR™ (Optional)

Our newest algorithm offers unprecedented clarity around metal, improving diagnostics and planning.
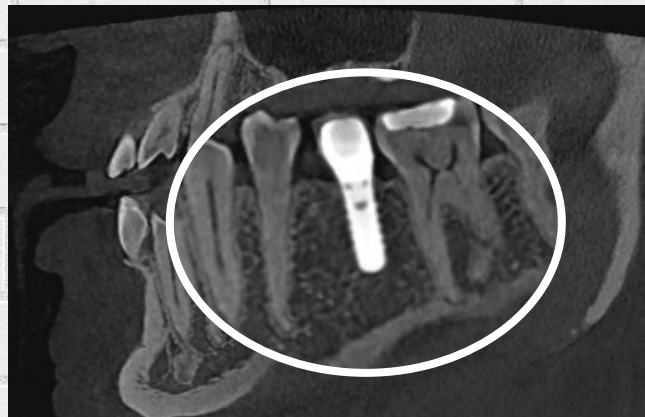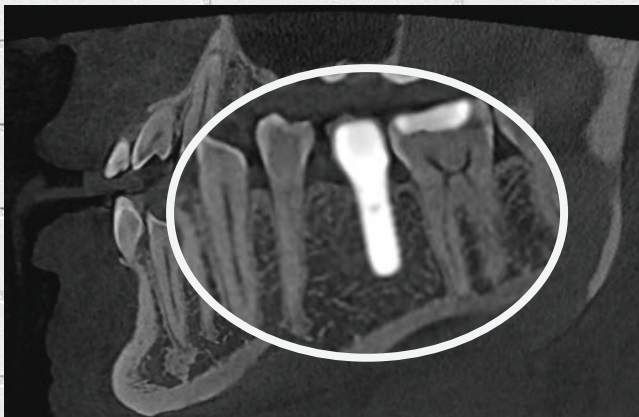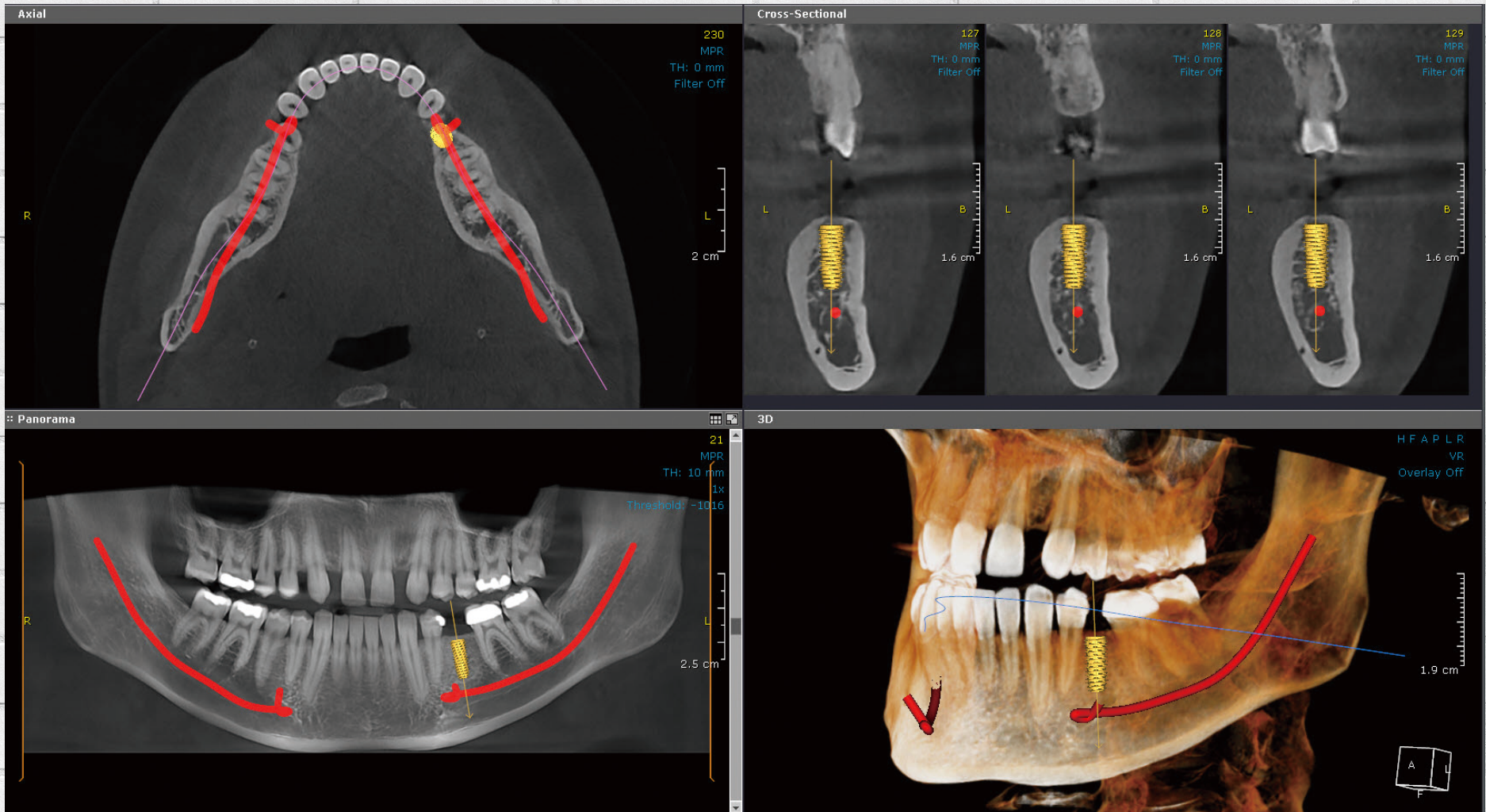
MAR

PrecisionMAR ™

- Minimal scatter

- Reduced shading

- Clearly define bone and teeth structures around metal

Digital Implant Treatment Planning

Axial

230
MPR
TH: 0 mm
Filter Off

R
L
2 cm

Cross-Sectional

127
MPR
TH: 0 mm
Filter Off

128
MPR
TH: 0 mm
Filter Off

129
MPR
TH: 0 mm
Filter Off

L B
1.6 cm

L B
1.6 cm

L B
1.6 cm

Panorama

21
MPR
TH: 10 mm
1x
Threshold: -1016

R
L
2.5 cm

3D

H F A P L R
VR
Overlay Off

1.9 cm

A
F
L

Bone Measurement

17.53 mm
14.20 mm

Placement Verification

Evaluate Bone Density

H.U.
2560
1843
1126
409
-307
-1024
D1
D2
D3
D4
D5
5 mm
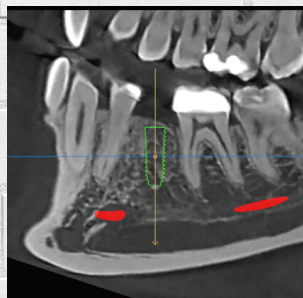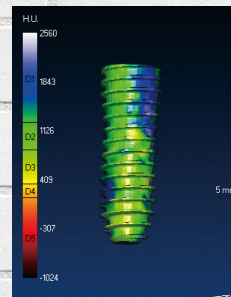
Post Op Check-Up
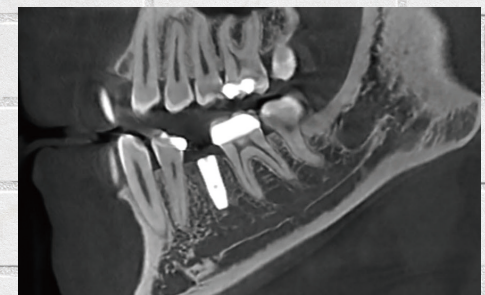
Oral Surgery

Wide views to evaluate impactions
and surrounding anatomy

Endodontics
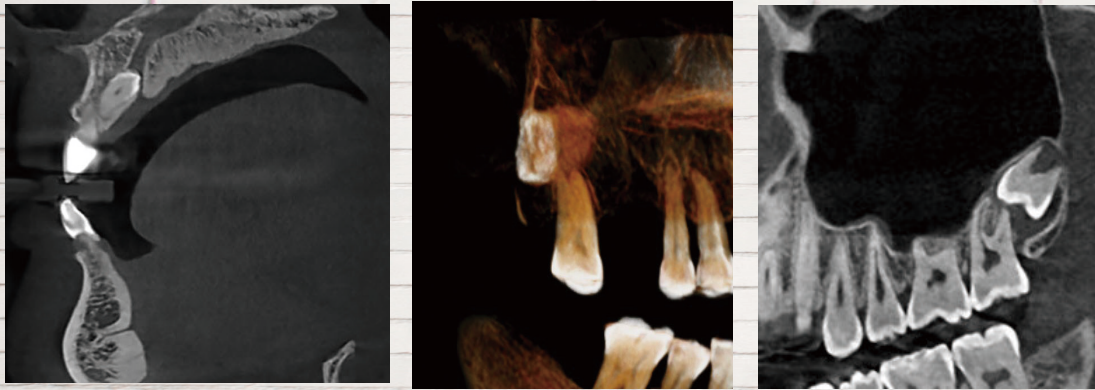
Endoscopic for C-shape canal
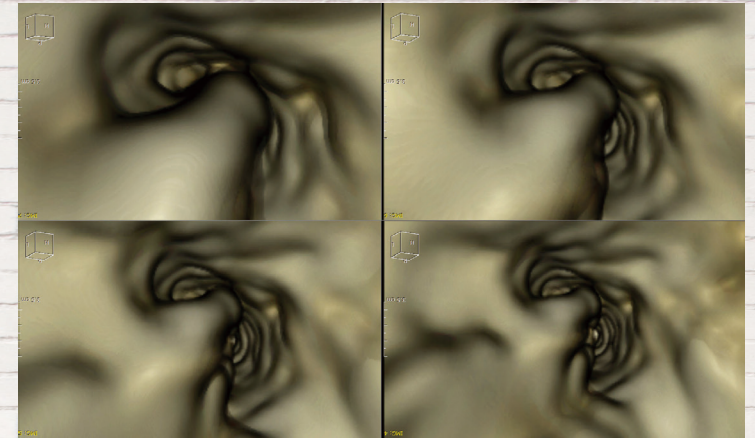
TMJ

Multilayer view of diagnosis of TMJ ankylosis
& mandibular fossa
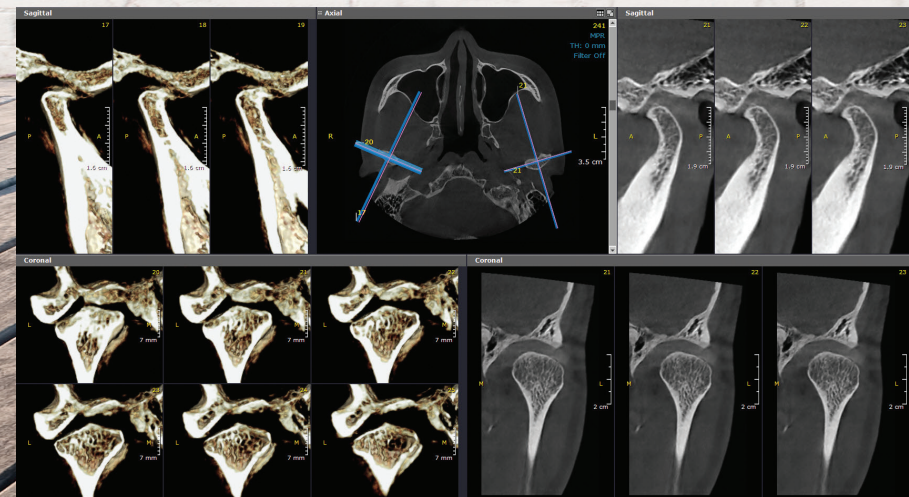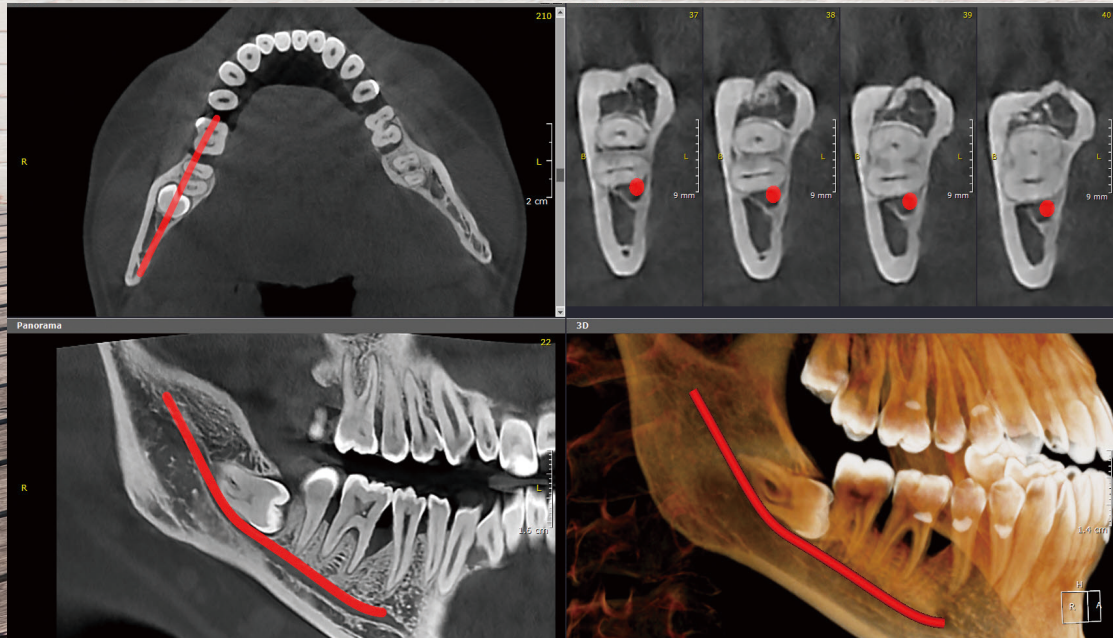
Otolaryngology

Expanded view for airway, sinus, and ear diagnosis
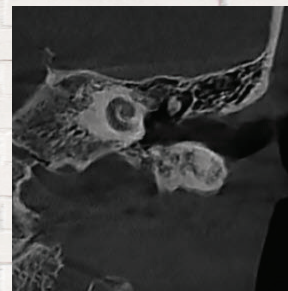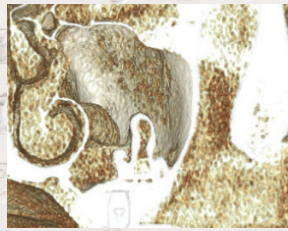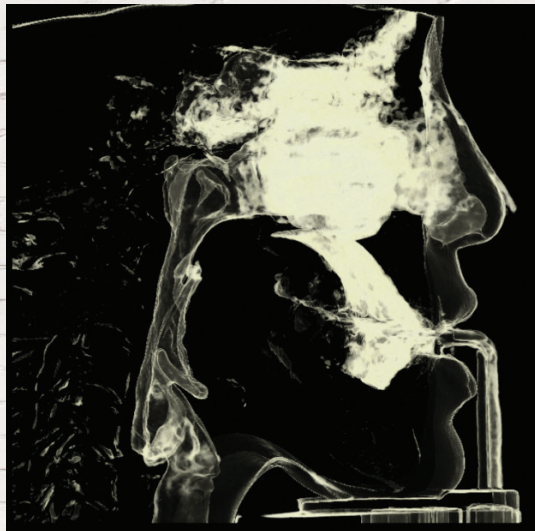
Orthodontics

3D view without distortion for skeletal & asymmetric analysis
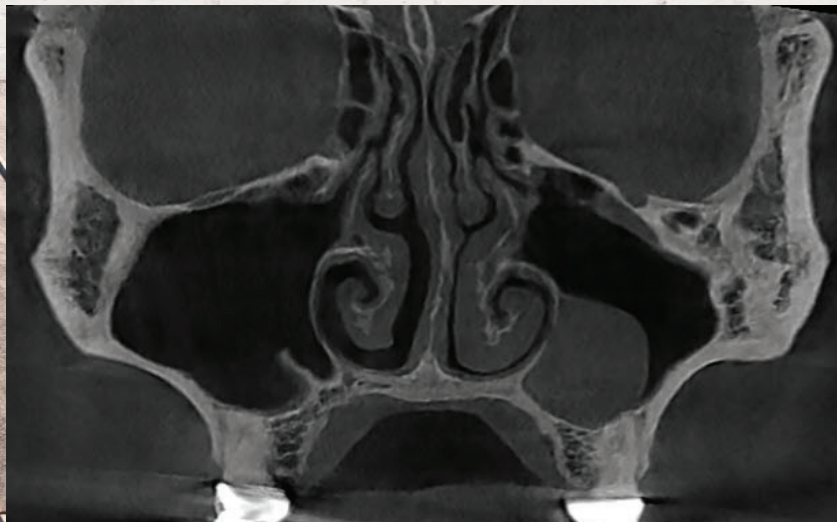
Dedicated 2D Panorama

Impeccable wide image view for diagnosis

Four cut series of TMJ open/closed mouth
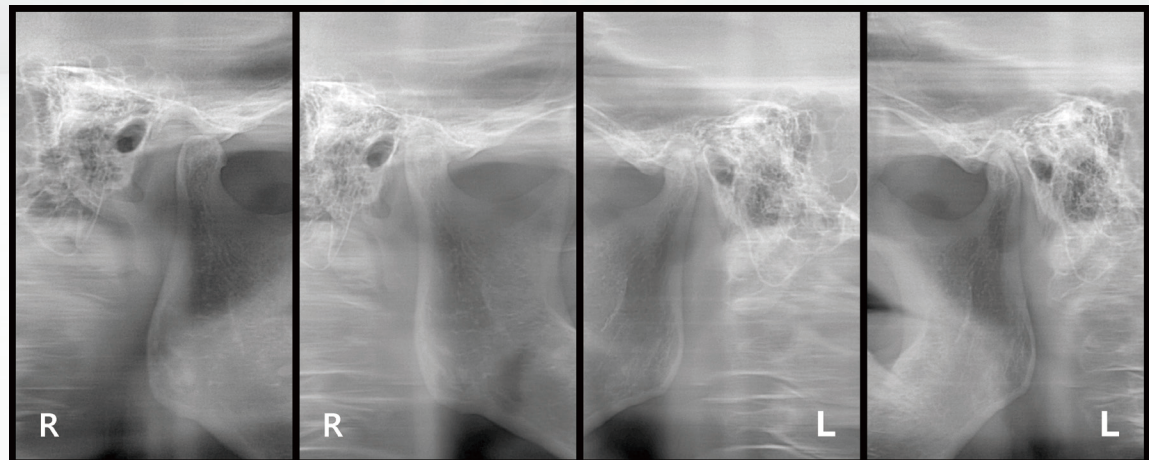
Cephalometric X-Ray

Two Selections

Dentri C α™ Our premier one-shot extension provides superior image quality by reducing movement artifacts.
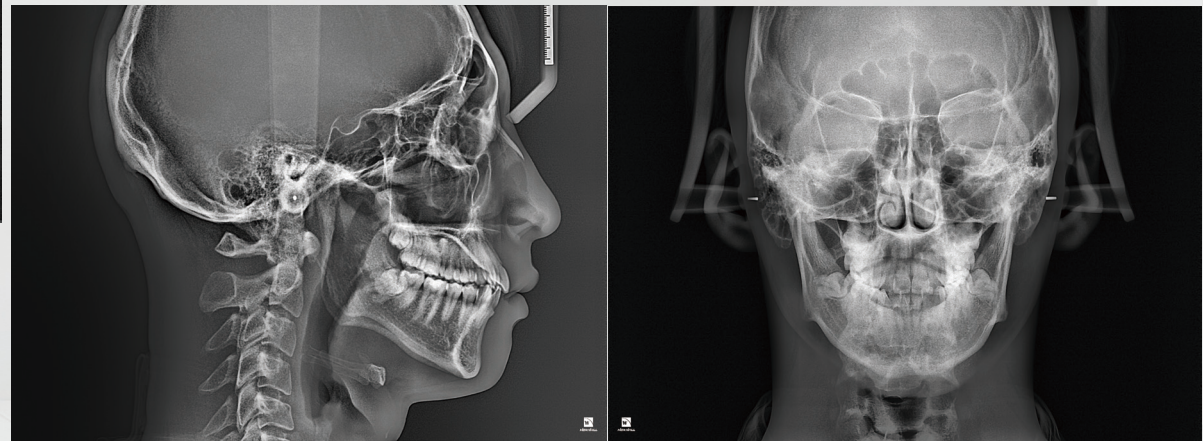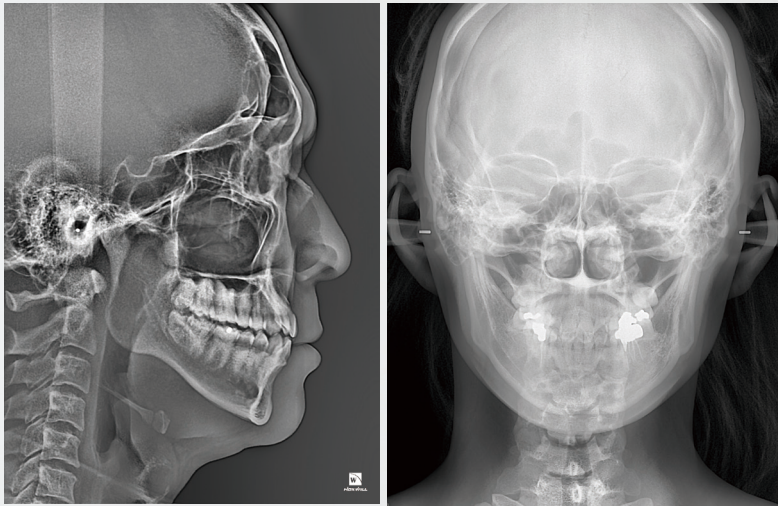
Dentri S α™

Our standard scanning extension provides excellent diagnostic images

Dentri α™ intuitive
software package includes OnDemand3D™

Powerful, 3D, user-friendly, navigation software for
digital treatment planning

Available Software

Will-Master

Patient image management software and 2D Viewer. Allows you to import and export images from your own practice. Compatible with 3D viewer navigation software.

Will-Ceph

2D Cephalometric analysis software (Opt.)

3D Cephalometric Analysis Module

The next generation cephalometric analysis with large FOV to evaluate cehpalometric landmarks. (Opt.)
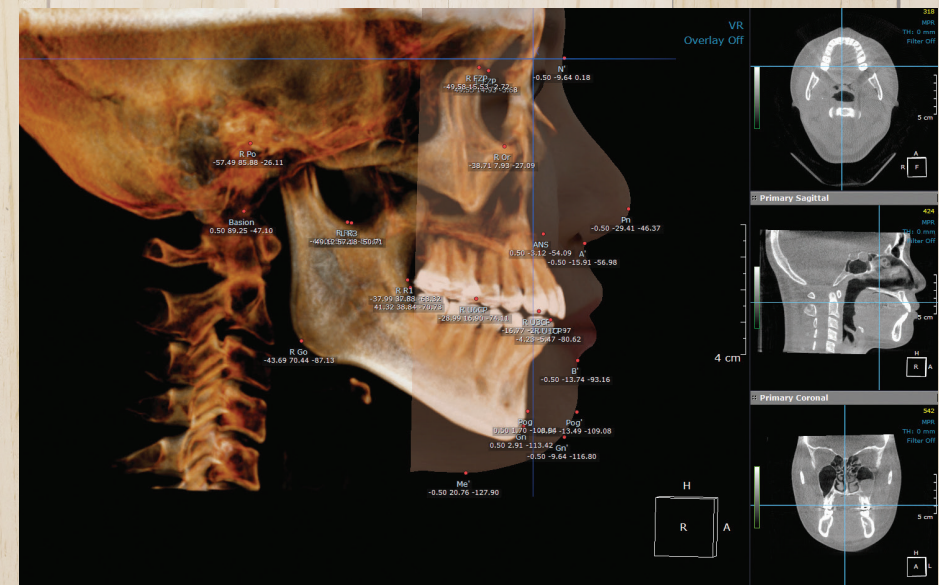
HDX WILL™ More Than 35 Years of Medical & Dental Experience

2017
Global markets expansion established to bring HDX technology to HDX Will North America (Los Angeles) and HDX Will Europe (Paris).

2015-2016
Further expansion into Asian markets with exponential growth for China and Malaysia regions.

2013
Company name changed to HDX Will, added intra-oral, panoramic x-ray, and radiography telemetry system transmitters to a growing line of Dental x-ray equipment.

2012
Expanded portfolio of dental x-ray equipment & expansion into surrounding Asian markets. First Dentri system launched. Added general x-ray hand held-x-ray,and digital x-ray devices to portfolio.

2010
HDX acquired Willmed (CBCT technology company) Began manufacturing and licensing of CBCT technology. First HDX CBCT machine sold in Korea.

1982
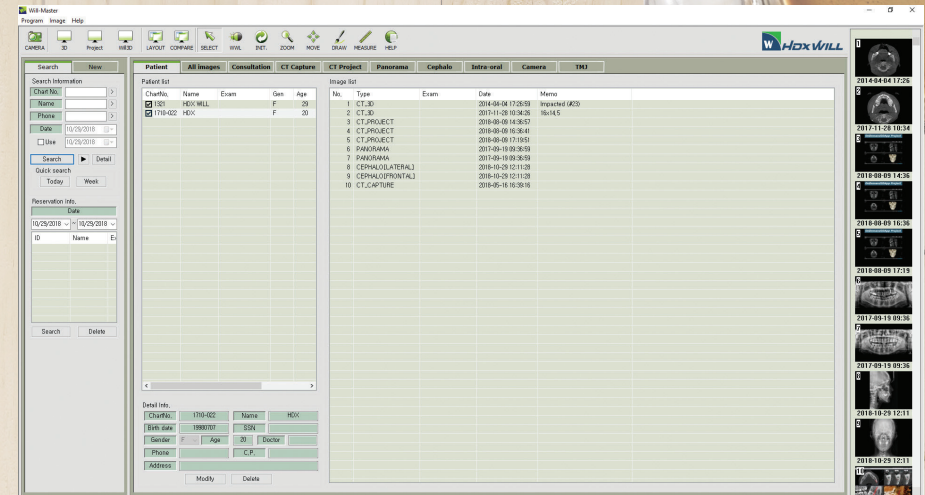HDX founded in Seoul, Korea as a distributor of Medical devices. Focused on ultrasound technologies then progressed into PET/CT scan, Gamma Camera, and LINAC cancer therapy systems.

Minimum Space Required & Dimensions

DENTRI α™ : PANO/CBCT
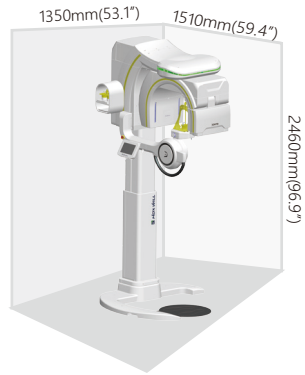
DENTRI C α™ : PANO/CBCT/ONE-SHOT CEPH
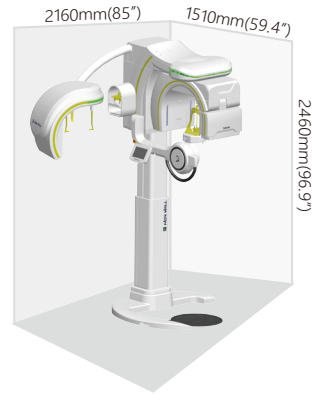
DENTRI S α™ : PANO/CBCT/SCAN CEPH
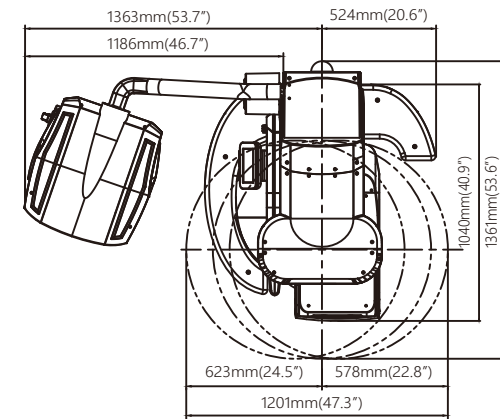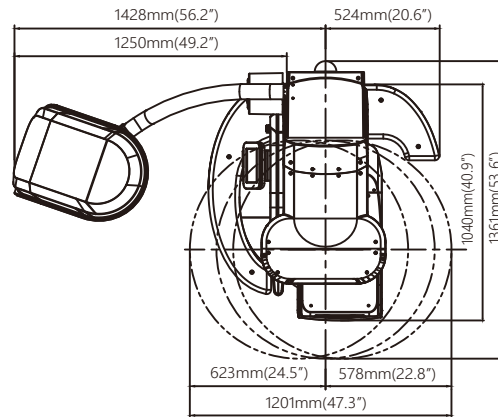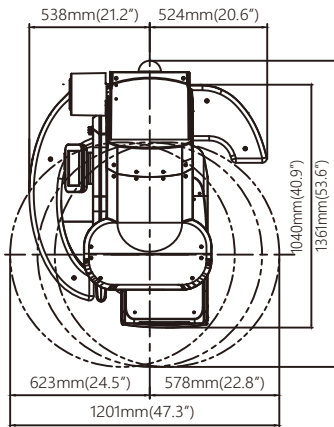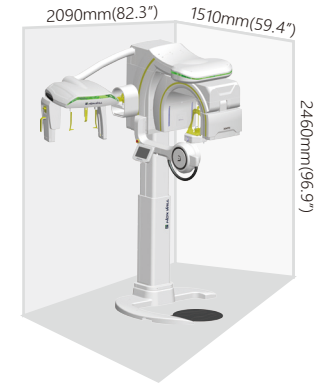
Product Details

Model		Panorama	Cephalo		CT	FOV (cm x cm)		
			One-Shot	Scan		16 x 14.5	Free FOV	16 x 8
DENTRI α	Extended	●			●	●	●	●
	Classic	●			●		●	●
DENTRI-Cα	Extended	●	●		●	●	●	●
	Classic	●	●		●		●	●
DENTRI-Sα	Extended	●		●	●	●	●	●
	Classic	●		●	●		●	●

SPECIFICATIONS

X-ray Beam			Cone Beam	Patient Position			Standing (Wheelchair accessible)
Scan Time	CT (Pulsed)	Dentri Classic (16x8cm)	8s(Ultra Fast Scan) 24s(Nomal Scan)	Detector Type		CT & Panorama	CMOS
		Dentri Extended (16x14.5cm)	16s(Ultra Fast Scan) 36s(Normal scan)			One-shot Type Cepahlo	Direct(TFT)
	Panorama		14s and less			Scan Type Cephalo	TDI CCD
	One-shot Type Cephalo		0.5s, 1.0s, 1.5s, 2.0s	Gray Scale		CT & Panorama	14 bits
	Scan type Cephalo		4s(Fast Scan) 8s(Nomal scan)			One-shot Type Cephalo	14 bits
Field of View (CT)(cm x cm) (Diam. x Height)	Dentri α Classic		Free FOV Max 16x8			Scan Type Cephalo	16 bits
	Dentri α Extended		Free FOV Max 16x14.5	Dimension (mm x mm x mm)(in x in x in) (WxDxH) (Tolerance : ± 5%)			Dentri α: 1201 x 1361 x 2455 (47.3" x 53.6" x 96.65")
Voxel Size(CT)(mm)			0.10, 0.15, 0.20, 0.25, 0.30				Dentri C α: 2006 x 1361 x 2455 (78.97" x 53.6" x 96.65")
Focal Spot (mm)			0.5				Dentri S α: 1941 x 1361 x 2455 (76.41" x 53.6" x 96.65")
Reconstruction Time			Minimum 8s (Standard Recon, MAR off)	System Weight (Tolerance : ± 10%)			Dentri α: 243 kg / 536 lbs (Dentri α Extended) 233 kg / 514 lbs (Dentri α Classic)
Patient Alignment			Vertical Column (optional) : Electric motion Column : Electric motion Temple Support : Motion				Dentri C α: 270 kg / 595 lbs (Dentri α Extended) 260 kg / 573 lbs (Dentri α Classic)
Control Device			Alignment : Touch Panel Exposure & Imaging Acquisition: Workstation				Dentri S α: 260 kg / 573 lbs (Dentri α Extended) 243 kg / 536 lbs (Dentri α Classic)
Install			Free Standing				
Tube Voltage			60kVp-110kVp	Workstation	OS		Windows 10 64-bit
Tube Current			5mA-10mA		Memory		16Gb