See More

See Clarity

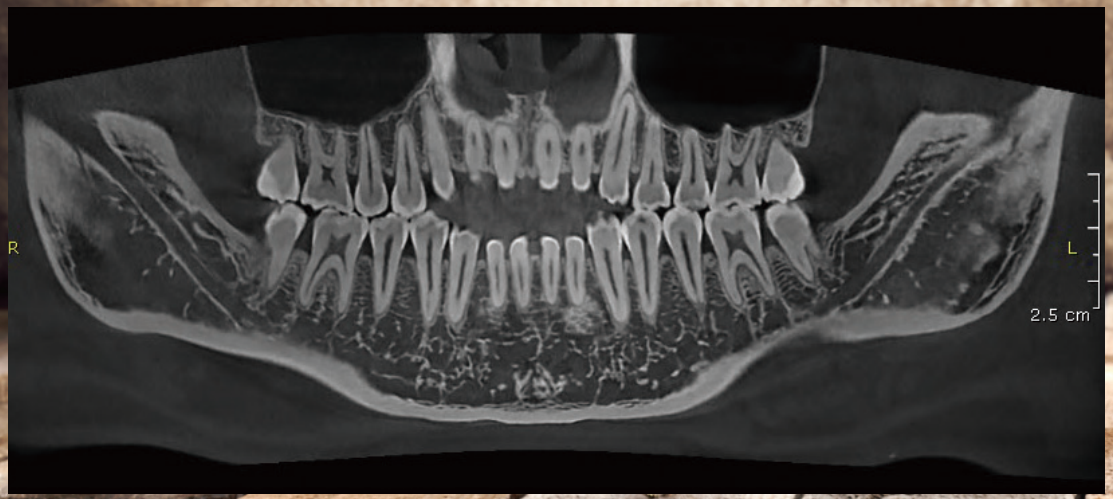
DENTRI α

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

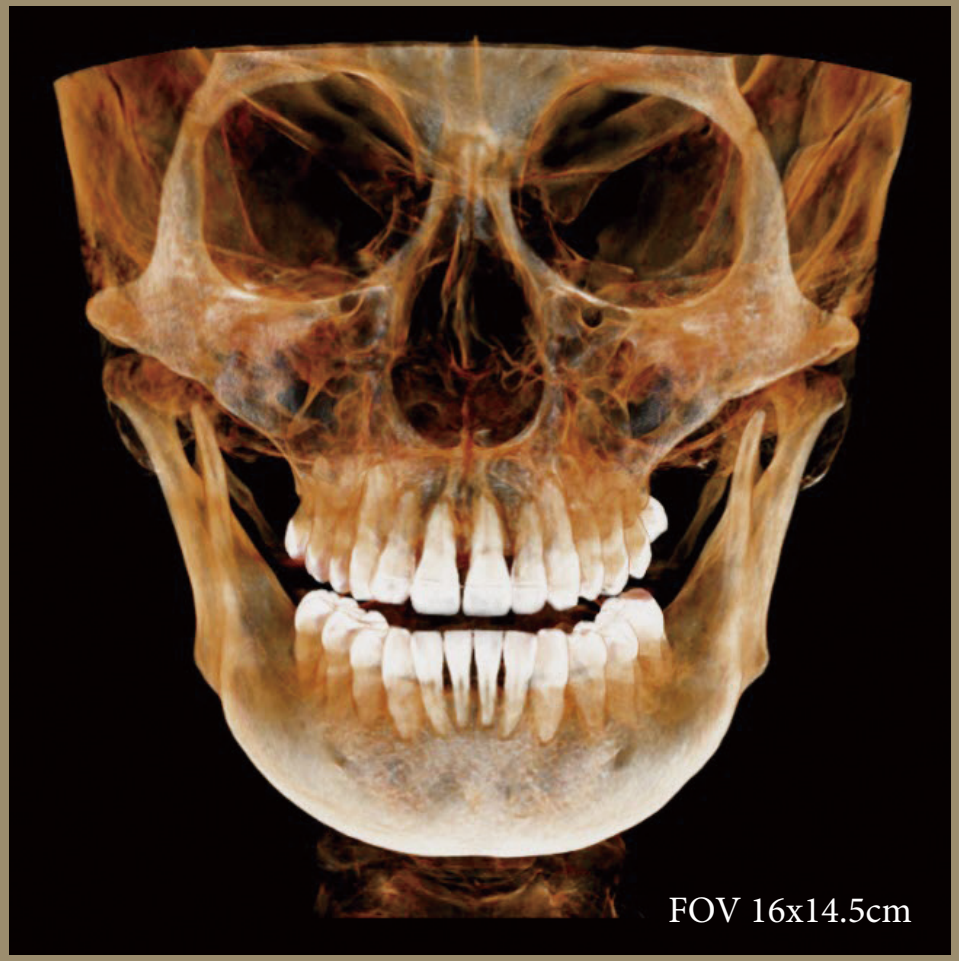


Dentri α™ Classic

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.

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.



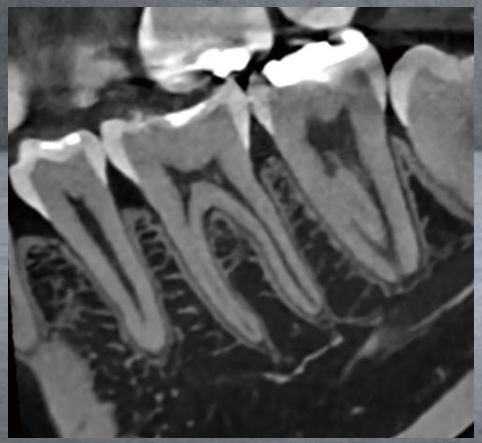
Free Field of View

Capture ANY SIZE for diagnosis

Implant evaluation

Buccal View In-Occlusion

Voxel Size



Precise Diagnosis

Min 0.1mm voxel size

Ultra Fast Scan

Normal Scan

Ultra Fast Scan

Metal Artifact Reduction

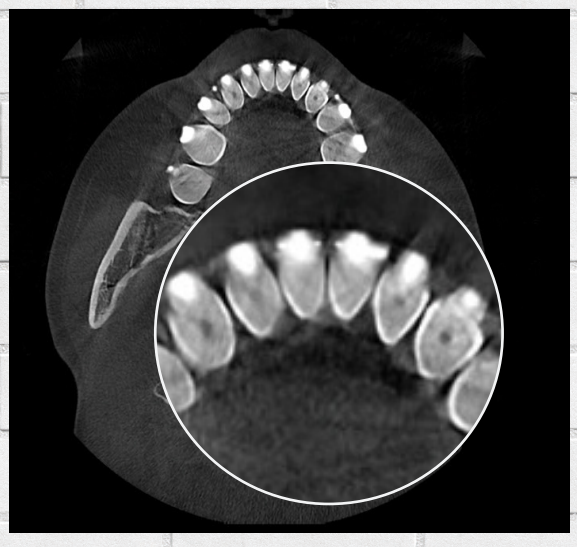
Ultra Fast Scan- Reduces motion artifacts and lowers radiation dose

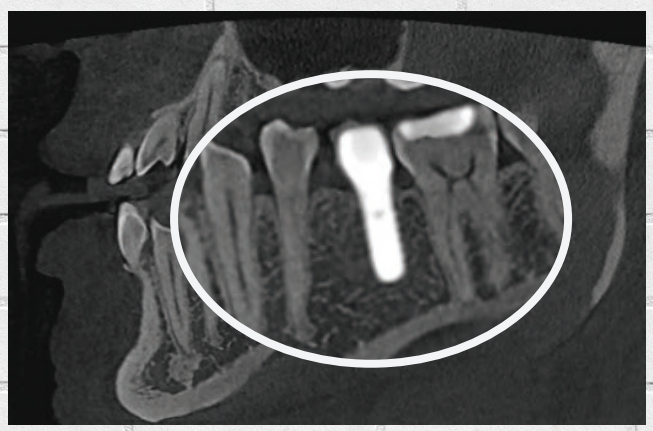
MAR- Reduces metal artifacts for diagnosis

PrecisionMAR™ (Optional)

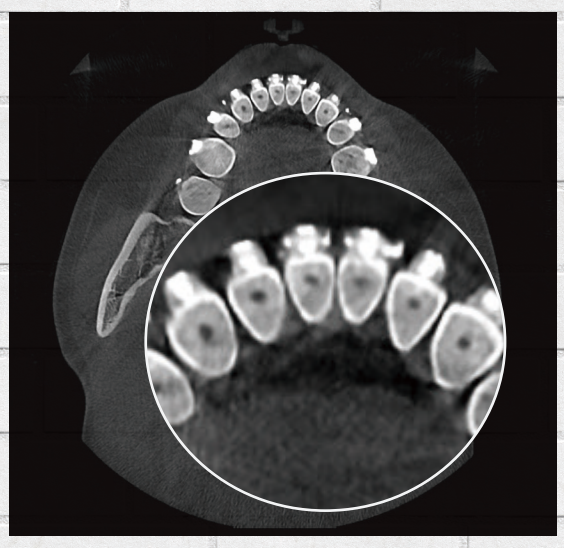
Our newest algorithm offers unprecedented clarity around metal, improving diagnostics and planning.

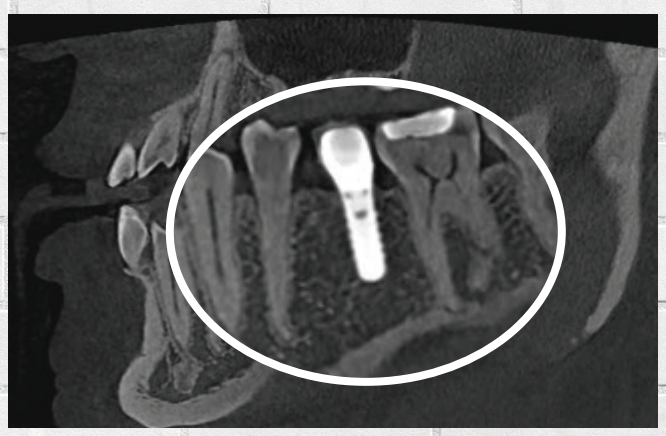
MAR





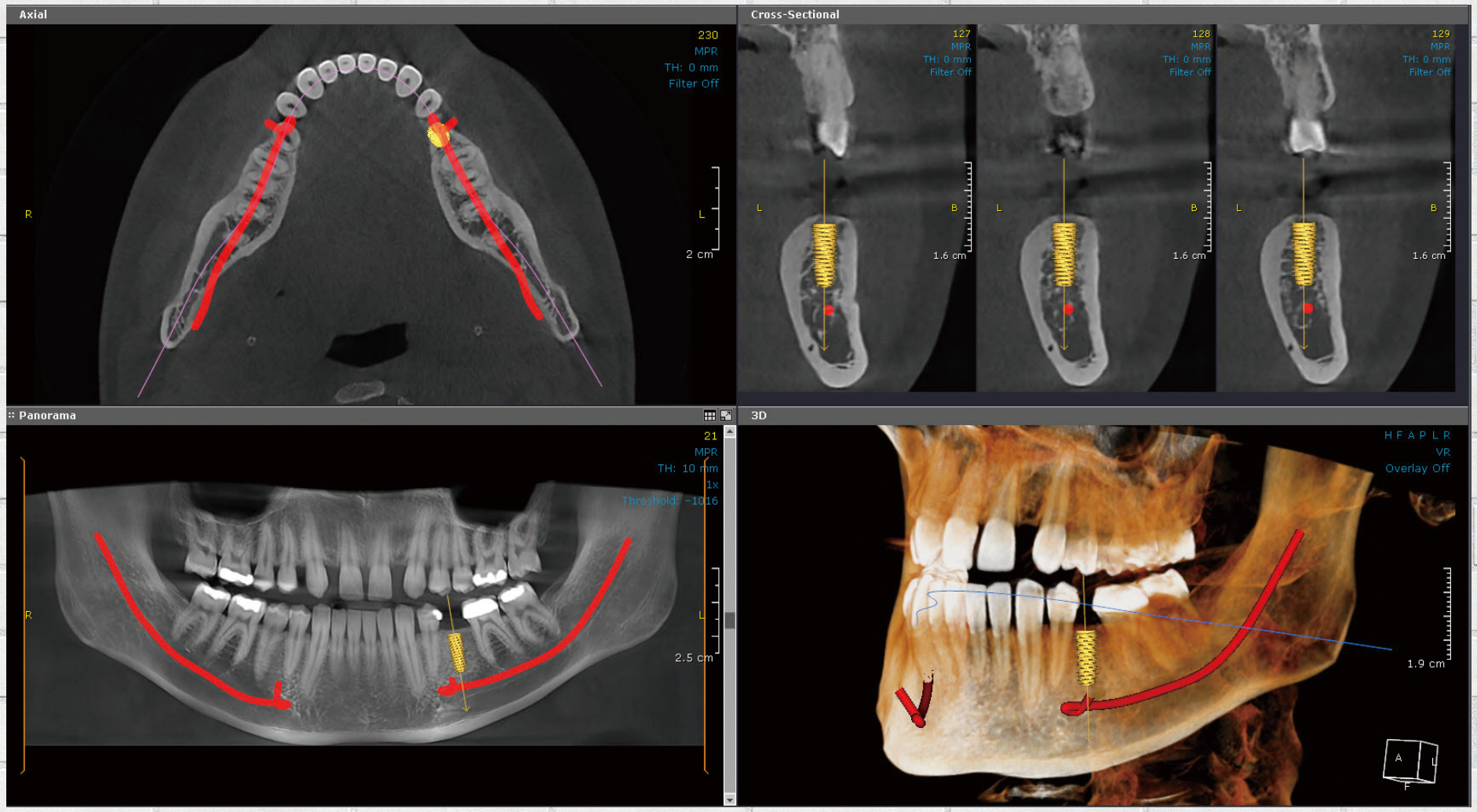
PrecisionMAR ™



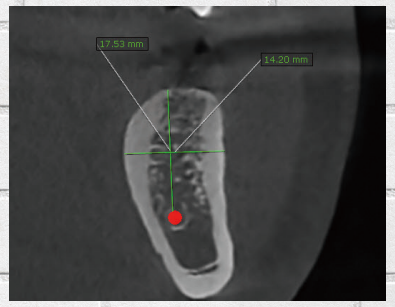


- Minimal scatter
- Reduced shading
- Clearly define bone and teeth structures around metal

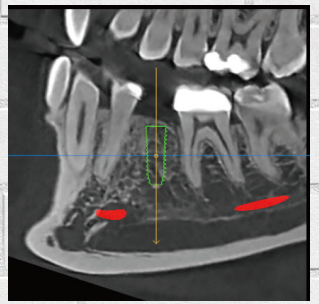
Digital Implant Treatment Planning



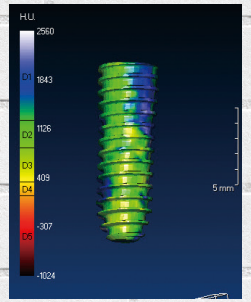
Bone Measurement



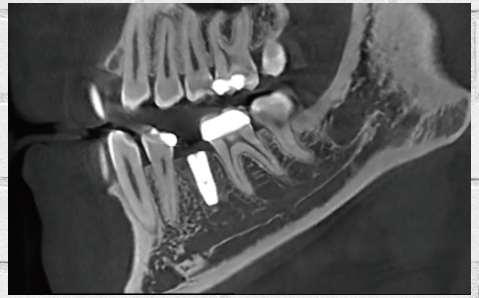
Placement Verification



Evaluate Bone Density

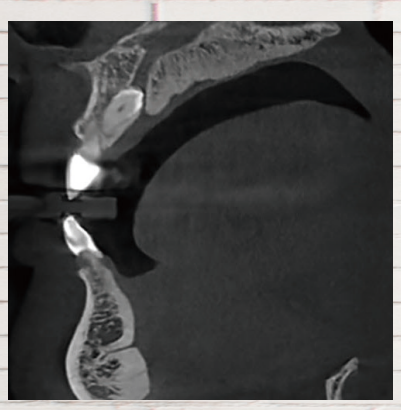


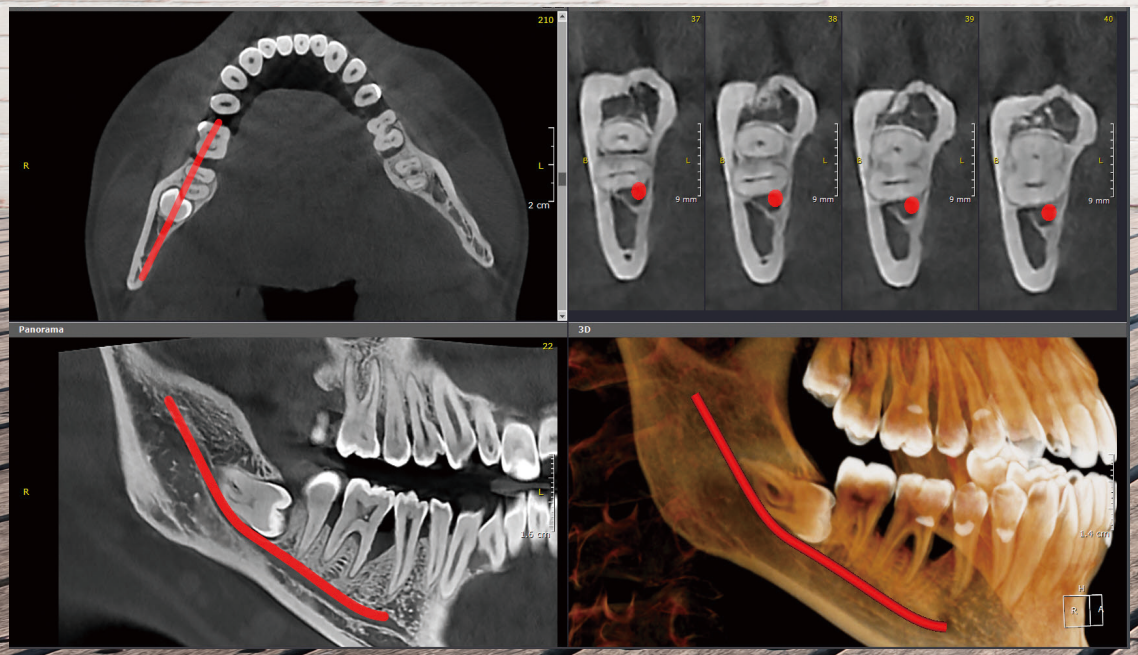
Post Op Check- Up



Oral Surgery

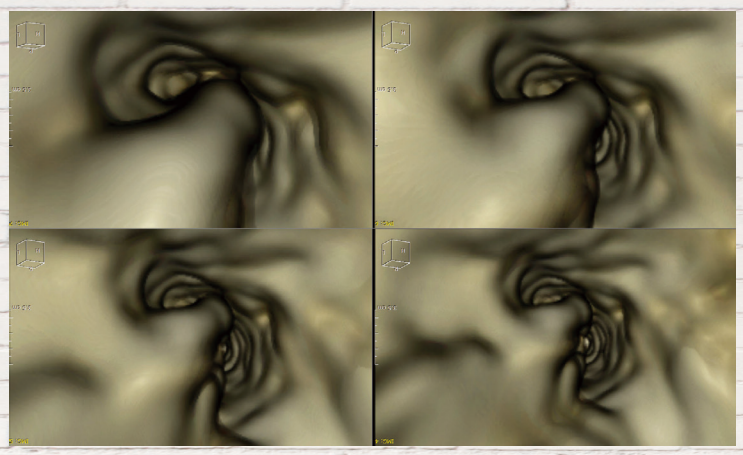
Wide views to evaluate impactions and surrounding anatomy





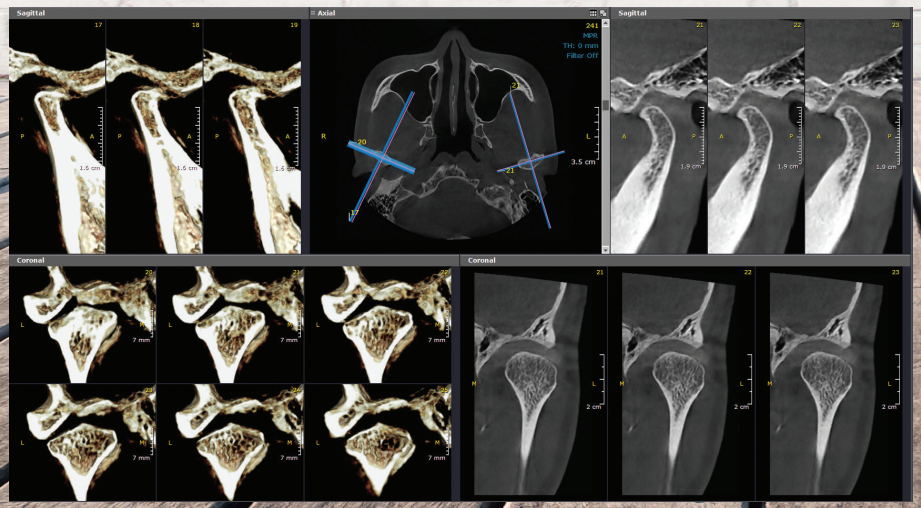
Endodontics

Endoscopic for C-shape canal



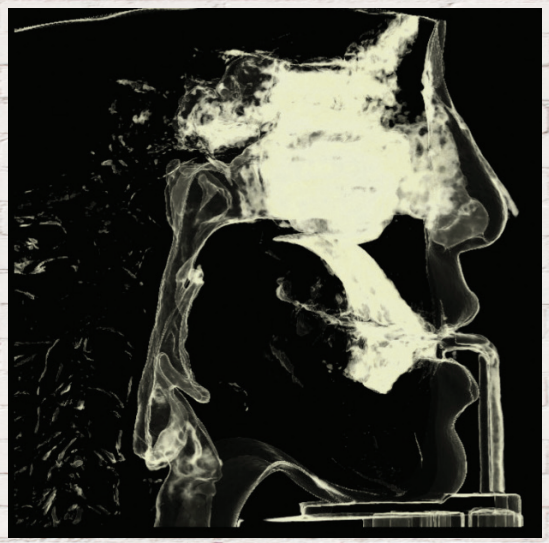
TMJ

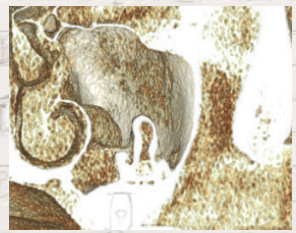
Multilayer view of diagnosis of TMJ ankylosis & mandibular fossa

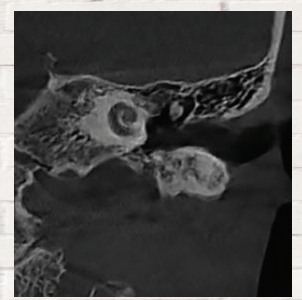


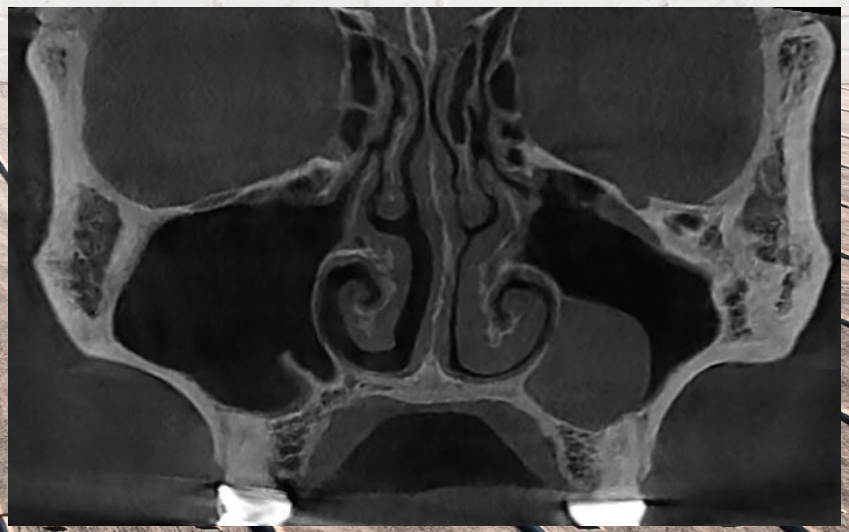
Otolaryngology

Expanded view for airway, sinus, and ear diagnosis









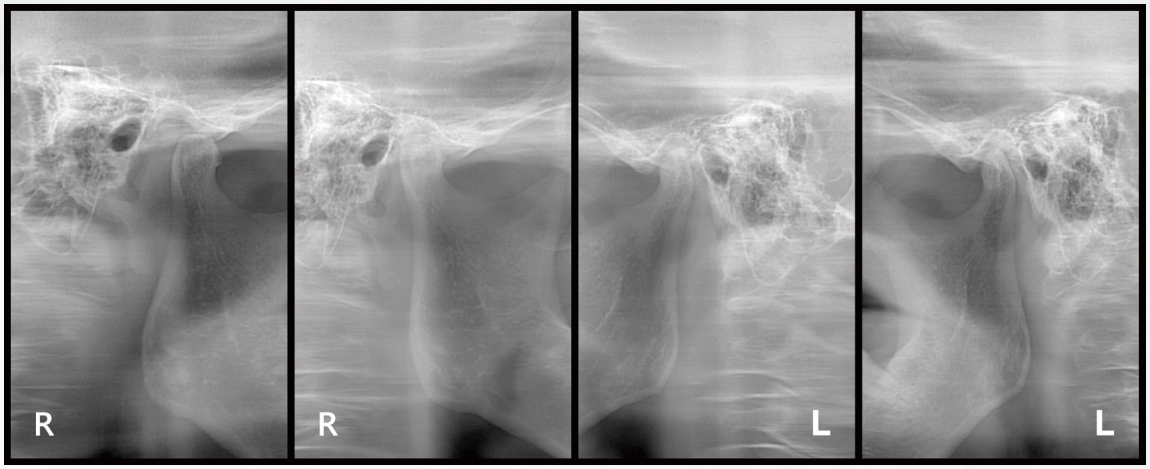
Orthodontics

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

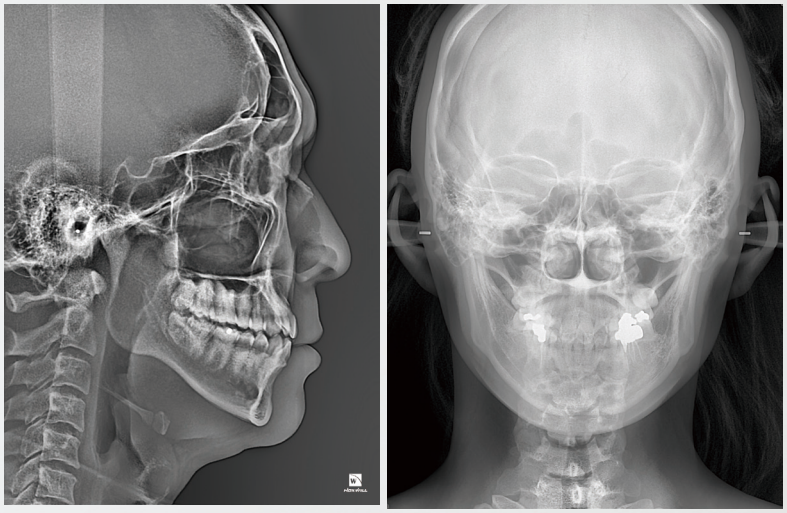


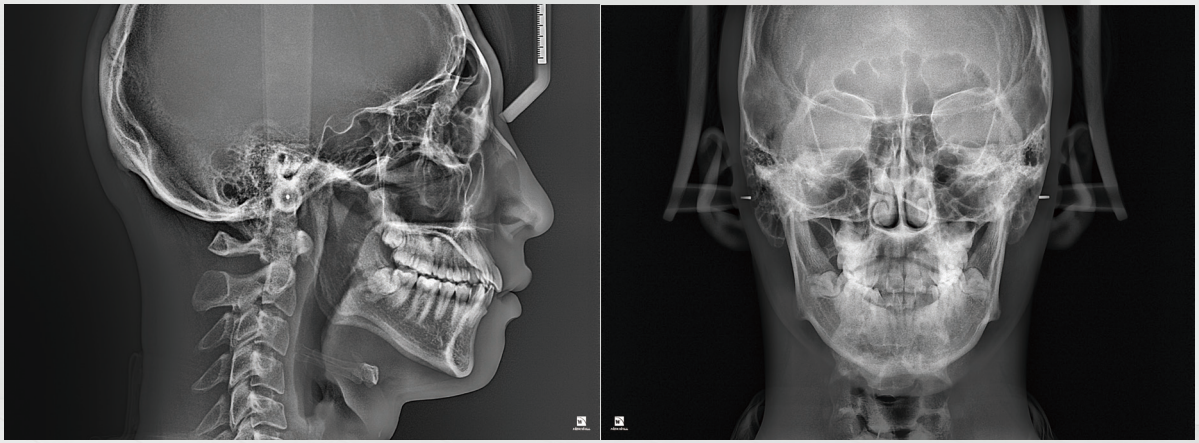
Cephalometric X-Ray

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

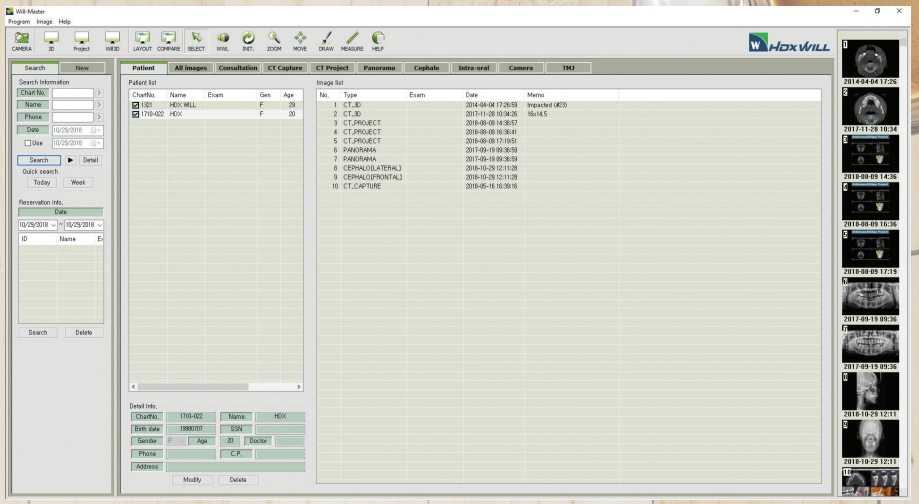
Dentri α™ intuitive software package includes OnDemand3D™

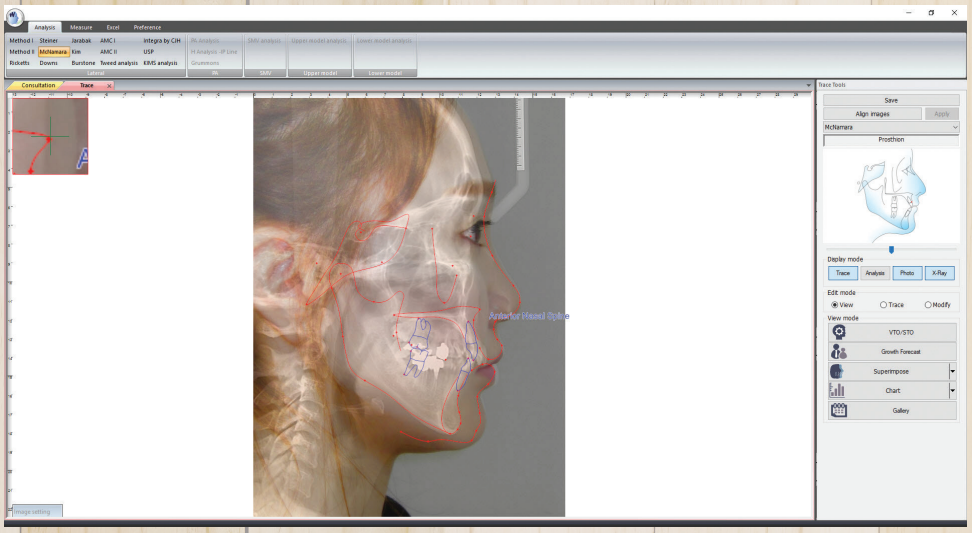
Powerful, 3D, user- friendly, navigation software for digital treatment planning

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.



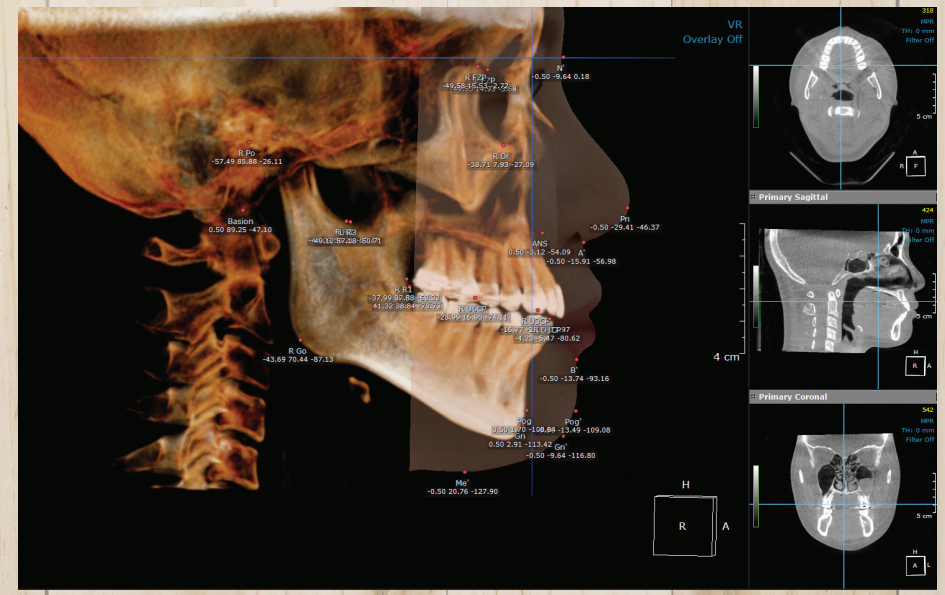


Will-Ceph

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

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.

2010

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

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.

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.

2015-2016

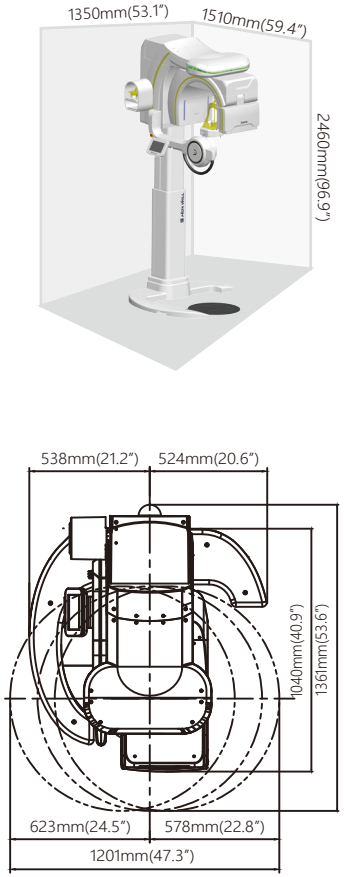
Further expansion into Asian markets with exponential growth for China and Malaysia regions.

2017

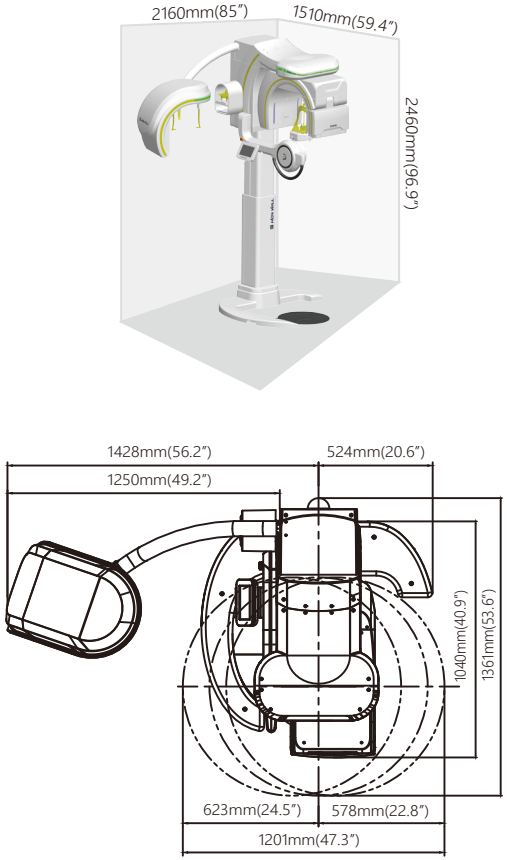
Global markets expansion established to bring HDX technology to HDX Will North America (Los Angeles) and HDX Will Europe (Paris).

Minimum Space Required & Dimensions

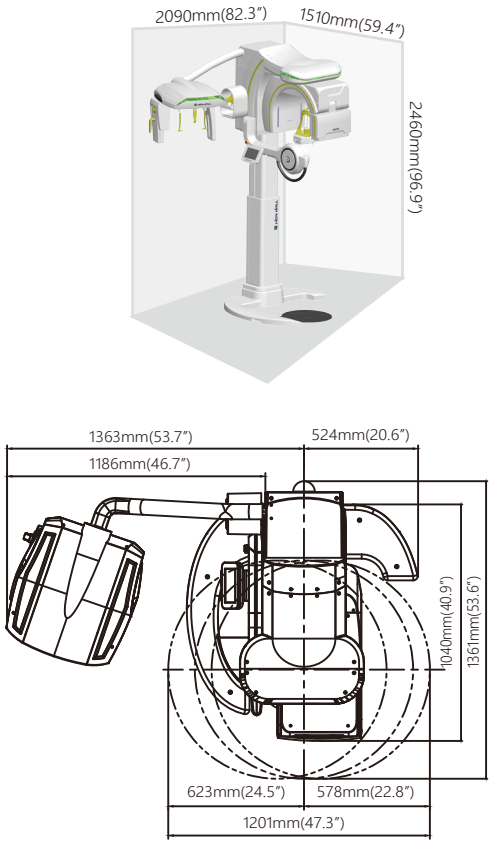
DENTRI α™ : PANO/CBCT



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
Scan Time	CT (Pulsed)	Dentri Classic (16x8cm)	8s(Ultra Fast Scan) 24s(Nomal Scan)
		Dentri Extended (16x14.5cm)	16s(Ultra Fast Scan) 36s(Normal scan)
	Panorama		14s and less
	One-shot Type Cephalo		0.5s, 1.0s, 1.5s, 2.0s
	Scan type Cephalo		4s(Fast Scan) 8s(Nomal scan)
Field of View (CT)(cm x cm) (Diam. x Height)	Dentri α Classic		Free FOV Max 16x8
	Dentri α Extended		Free FOV Max 16x14.5
Voxel Size(CT)(mm)			0.10, 0.15, 0.20, 0.25, 0.30
Focal Spot (mm)			0.5
Reconstruction Time			Minimum 8s (Standard Recon, MAR off)
Patient Alignment			Vertical Column (optional) : Electric motion Column : Electric motion Temple Support : Motion
Control Device			Alignment : Touch Panel Exposure & Imaging Acquisition: Workstation
Install			Free Standing
Tube Voltage			60kVp-110kVp
Tube Current			5mA-10mA

Patient Position		Standing (Wheelchair accessible)
Detector Type	CT & Panorama	CMOS
	One-shot Type Cepahlo	Direct(TFT)
	Scan Type Cephalo	TDI CCD
Gray Scale	CT & Panorama	14 bits
	One-shot Type Cephalo	14 bits
	Scan Type Cephalo	16 bits
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") Dentri C α: 2006 x 1361 x 2455 (78.97" x 53.6" x 96.65") Dentri S α: 1941 x 1361 x 2455 (76.41" x 53.6" x 96.65")
System Weight (Tolerance : ± 10%)		Dentri α: 243 kg / 536 lbs (Dentri α Extended) 233 kg / 514 lbs (Dentri α Classic) Dentri C α: 270 kg / 595 lbs (Dentri α Extended) 260 kg / 573 lbs (Dentri α Classic) Dentri S α: 260 kg / 573 lbs (Dentri α Extended) 243 kg / 536 lbs (Dentri α Classic)
Workstation	OS	Windows 10 64-bit
	Memory	16Gb

HDX WILL NORTH AMERICA
3435 Wilshire Blvd. Suite 3070
Los Angeles, CA 90010
1-888-850-8810
www.hdxwillna.com

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HDX WILL
Teahwa Bldg 29, Insa-dong 5-gil,
Jongno-gu, Seoul, Korea
82-2-1544-5735
www.hdxwill.com