

# **HDX WILL**

**Fast Moving Innovator  
in Dental Imaging**

# Company Introduction

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***HDXWILL***  
EUROPE GmbH

<b>Firma</b>	<b>HDX WILL Corp.</b>
<b>Gründung</b>	<b>20.05.2008</b>
<b>Main Business</b>	<b>Manufacture of Dental Imaging Equipment</b>
<b>CEO</b>	<b>Jung Sang Jin</b>
<b>Address</b>	<b>10F, Taiwha Bldg, 29, Insadong 5-gil, Jongno-gu, Seoul, Korea</b>

## HDX WILL Corp.

HDX WILL Corp. is a manufacturer founded in 2008, specializing in dental imaging devices.

The company has advanced technologies based on engineers with many years of experience and outstanding researchers who lead the development of new technologies for medical imaging.

The company was established as a subsidiary of HDX, which has long contributed to the development of the local medical industry and has secured the largest market share in the domestic industry in South Korea through extensive investments.

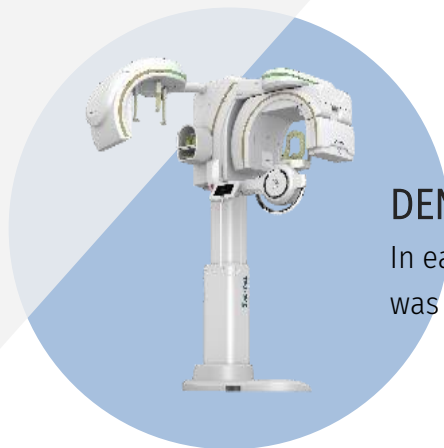


# Vorstellung

# History

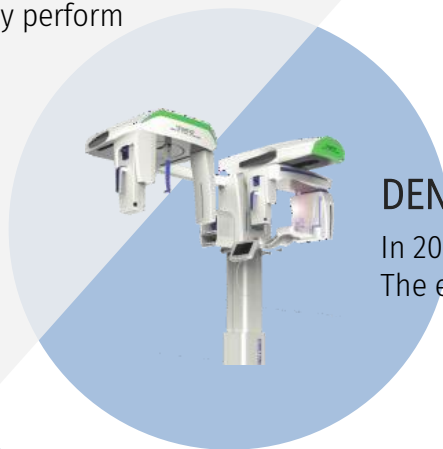
## Dream the Future

HDXWILL has the advantage of possessing its own core technologies, allowing it to respond quickly to your requirements and continuously perform updates and upgrades.



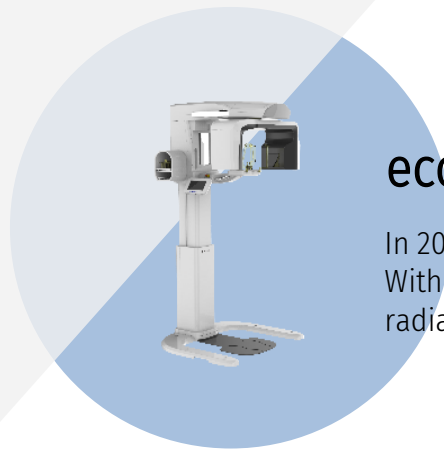
### DENTRI

In early 2012, DENTRI, a cheaper, more feature-rich composite imaging equipment, was introduced, featuring 3D CBCT, Panorama and Cephalogram for calibration.



### DENTIO

In 2013, we launched DENTIO, a Panorama-specific device that is an essential digital X-ray device for dentistry. The equipment can add a Cephalo function as an option.



### eco - X

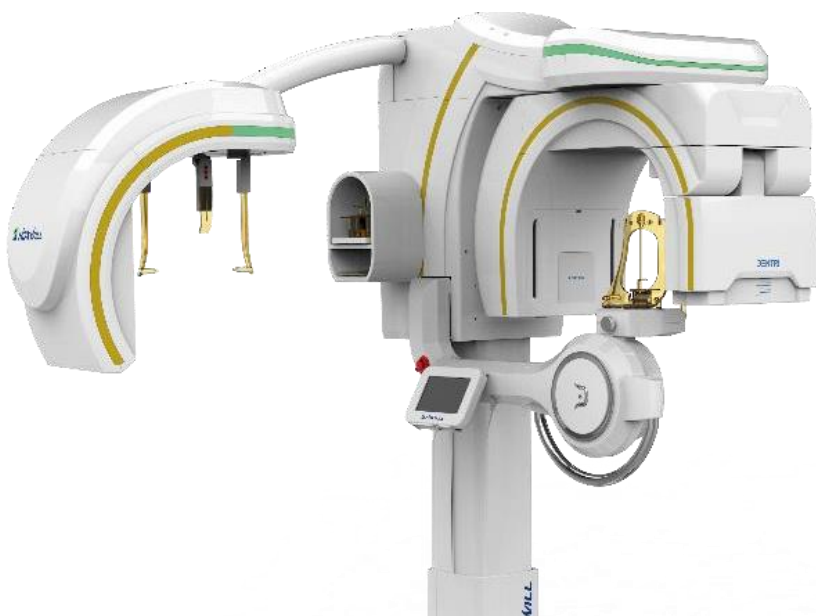
In 2020, the New model of CBCT was launched. Compact size and with AI technology. With AI technology, eco-x ai detects differences between anatomical structure and noise to provide the high definition images with lower radiation dose than Panorama.

# Introduction to our products

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***HDXWILL***  
EUROPE GmbH



## ***DENTRIα***

- WIDE FOV (16x14.5cm) for Various Scanning
- Prospective CBCT for dental and
- ENT with various scanning option
- Remarkable MAR image overwhelming any other products



## ***DENTIO III***

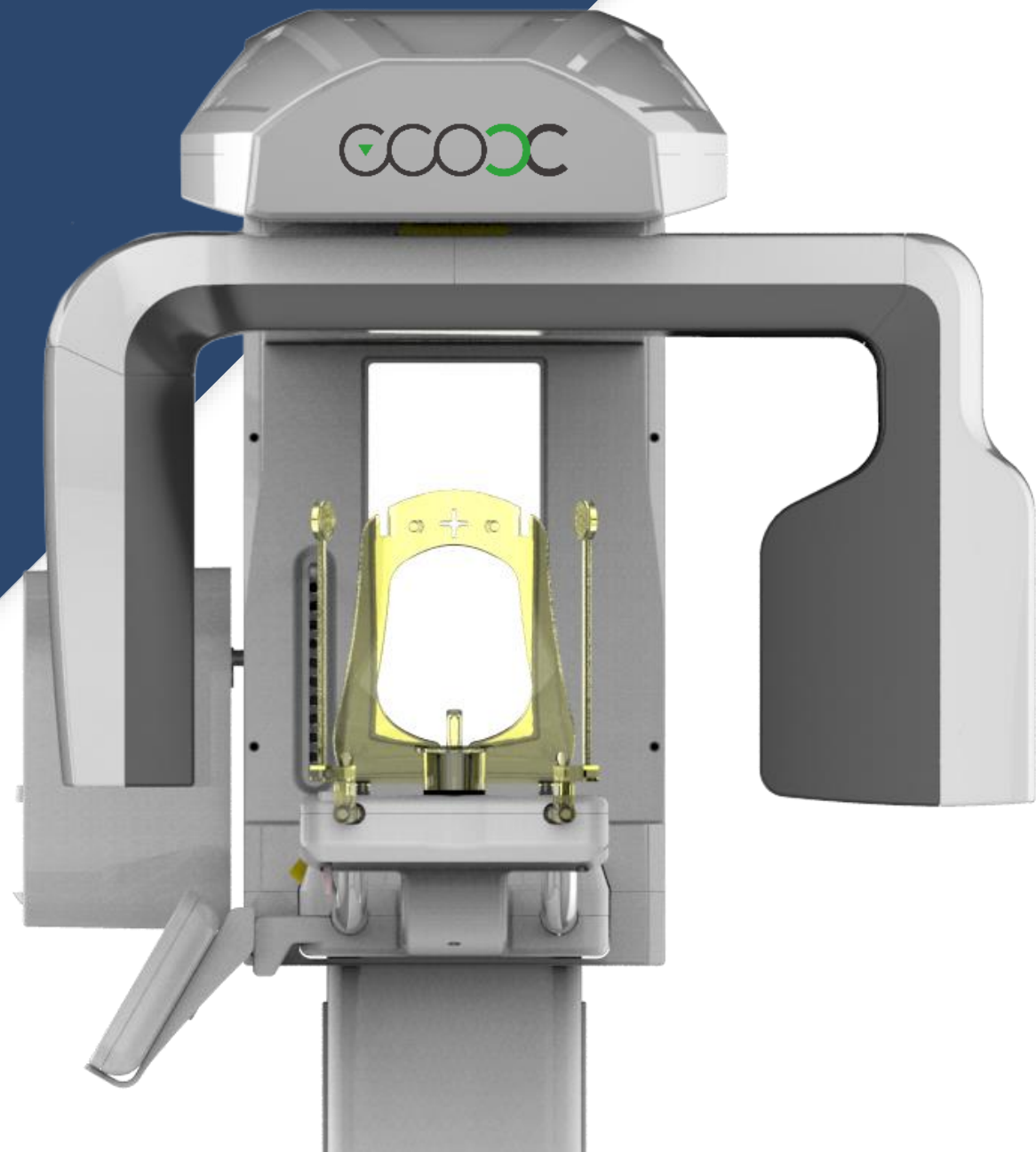
- Digital Panorama and Cephalometric Imaging system
- Enables 2.5D Panoramic image with Multi Layer technology
- Panorama with accurate Auto Focus Function



## ***eco-X***

- Here is the English translation of the text in the image:
- Essential element in digital dentistry
- AI technology for the eco-x series
- Wider field of view
- 16 x 9 cm
- 12 x 9 cm
- Lower radiation dose
- Enhanced image quality with AI option
- Fast and precise automatic landmark detection with AI option

 The logo consists of four interlocking circles. The first, second, and fourth circles are white, while the third circle is green. A small green triangle is positioned inside the first white circle.





## Details and Description



### CBCT + PA+ FRS + Model Scan

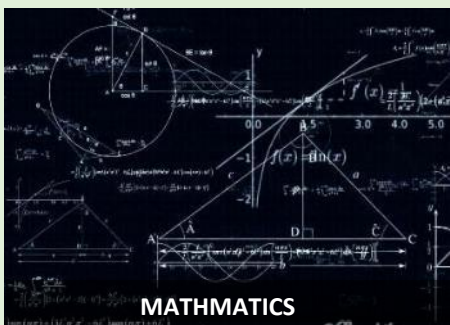
- ✓ Voxelsize : 0.1 ~ 0.3 mm
- ✓ FOV (Field of View) : 16 x 9cm, 12 x 9cm, 10 x 8cm
- ✓ Free FOV mode : 5 x 5cm ~ 12 x 9 cm
- ✓ AEC (Auto Exposure Control)
- ✓ AI MAR
- ✓ FRS AutoLandmark Tracing
- ✓ Clear Filter
- ✓ Model Scan mode
  - - Larger field of view
  - - Lower radiation dose
  - - Enhanced image quality with AI option
  - - Fast and precise automatic landmark detection with AI option





# Details and Description

## AI Technology



Substantial Image Result with AI Algorithm

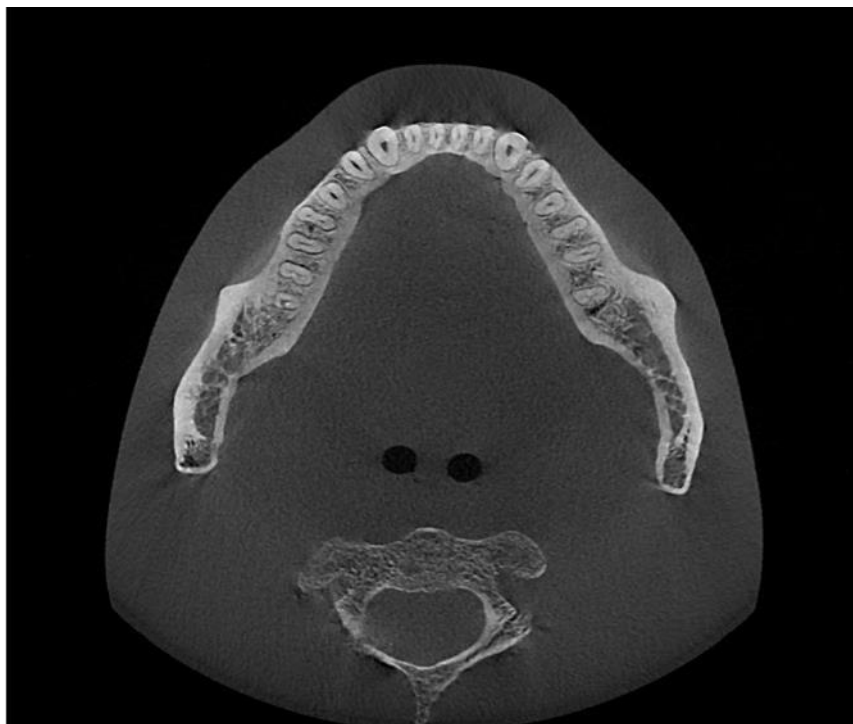




Details and Description

● AI Low Dose

eco-x has AI with progressed AI technology



24 sec scan

75kVp 7mA, DAP: 772.5mGy·cm<sup>2</sup>



GCOOC AI 24 sec scan

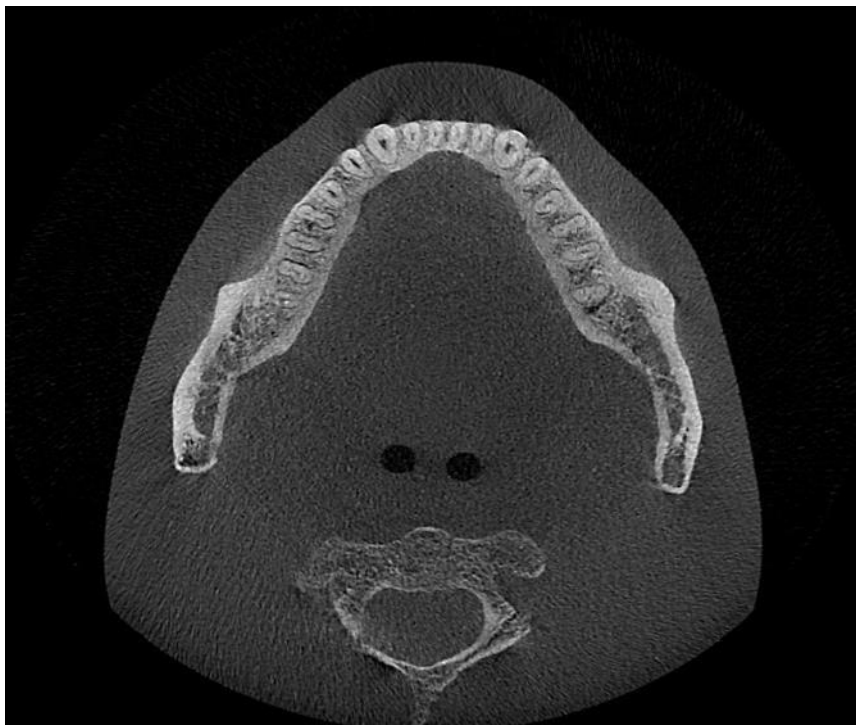
75kVp 7mA, DAP: 260.1mGy·cm<sup>2</sup>



Details and Description

● AI Low Dose

eco-x has AI with progressed AI technology



8 sec scan

75kVp 7mA, DAP: 409.6mGy·cm<sup>2</sup>



GCOOC AI 8 sec scan

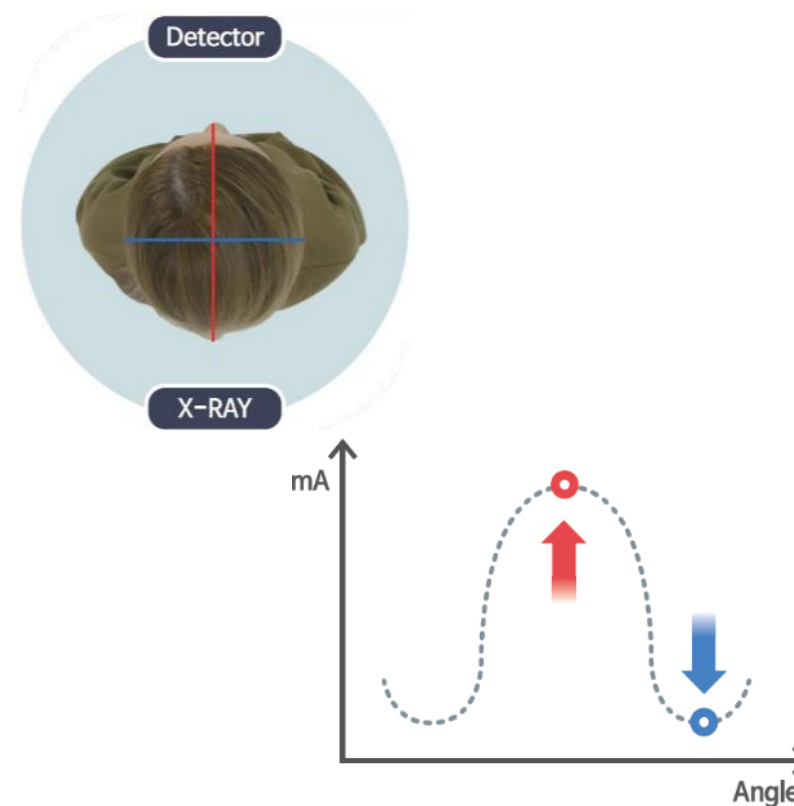
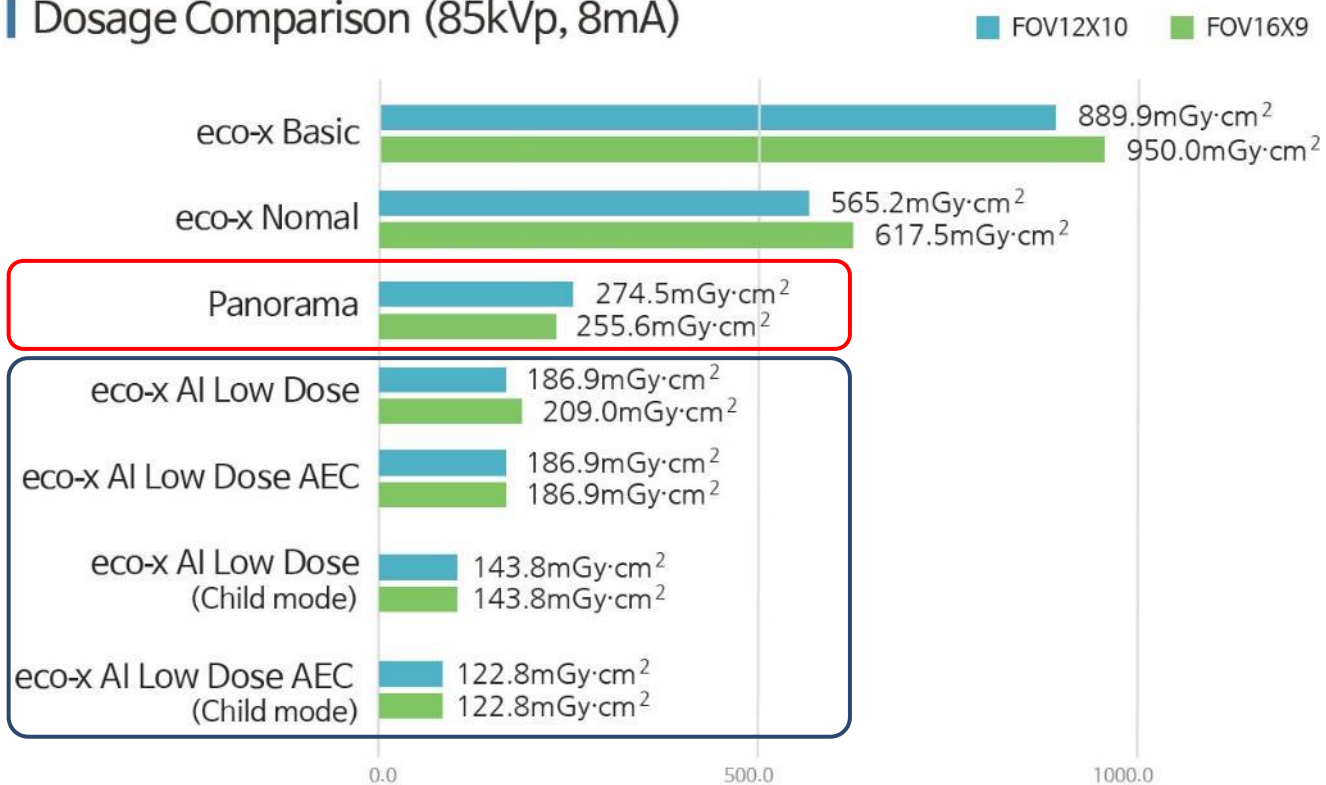
75kVp 7mA, DAP: 178.5mGy·cm<sup>2</sup>



## Details and Description

### ● AEC (Automatic Exposure Control)

Dosage Comparison (85kVp, 8mA)



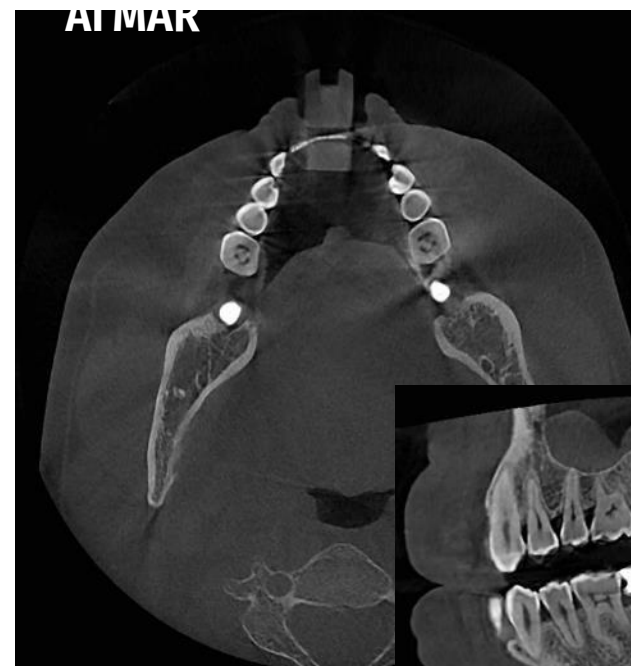
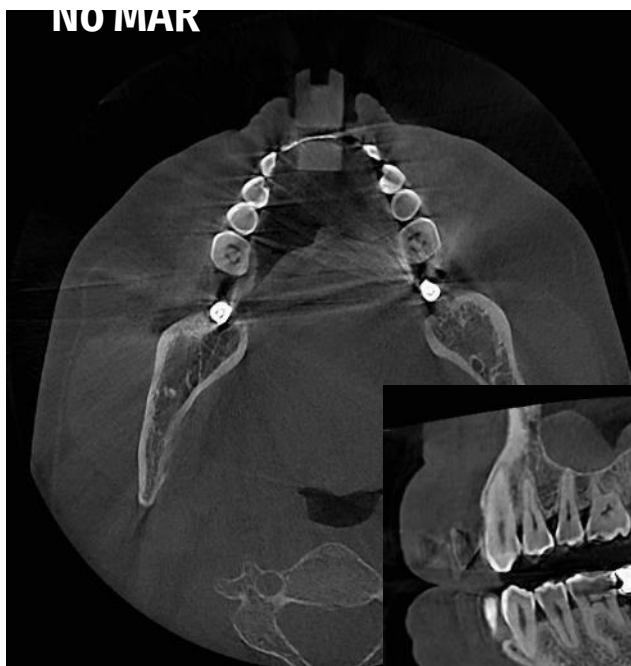
➤ **Achieves superior image with dosage less than panoramic scan**



Details and Description

● AI MAR

eco-x has AI with progressed AI technology



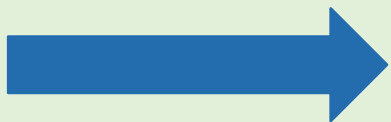
- Significantly reduced metal artifacts thanks to AI technology
- Clear choice for prosthetics, orthodontics, or implant cases



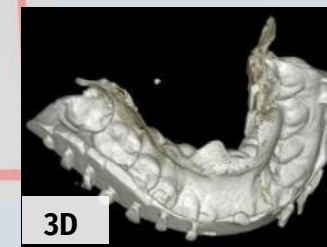
Details and Description

● Model Scan

❖ Impression



STL

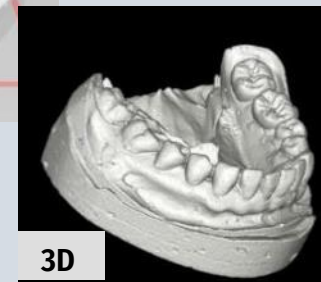


3D

❖ Stone Model



STL



3D

Extract STL and dicom data of Impression/Stone Model

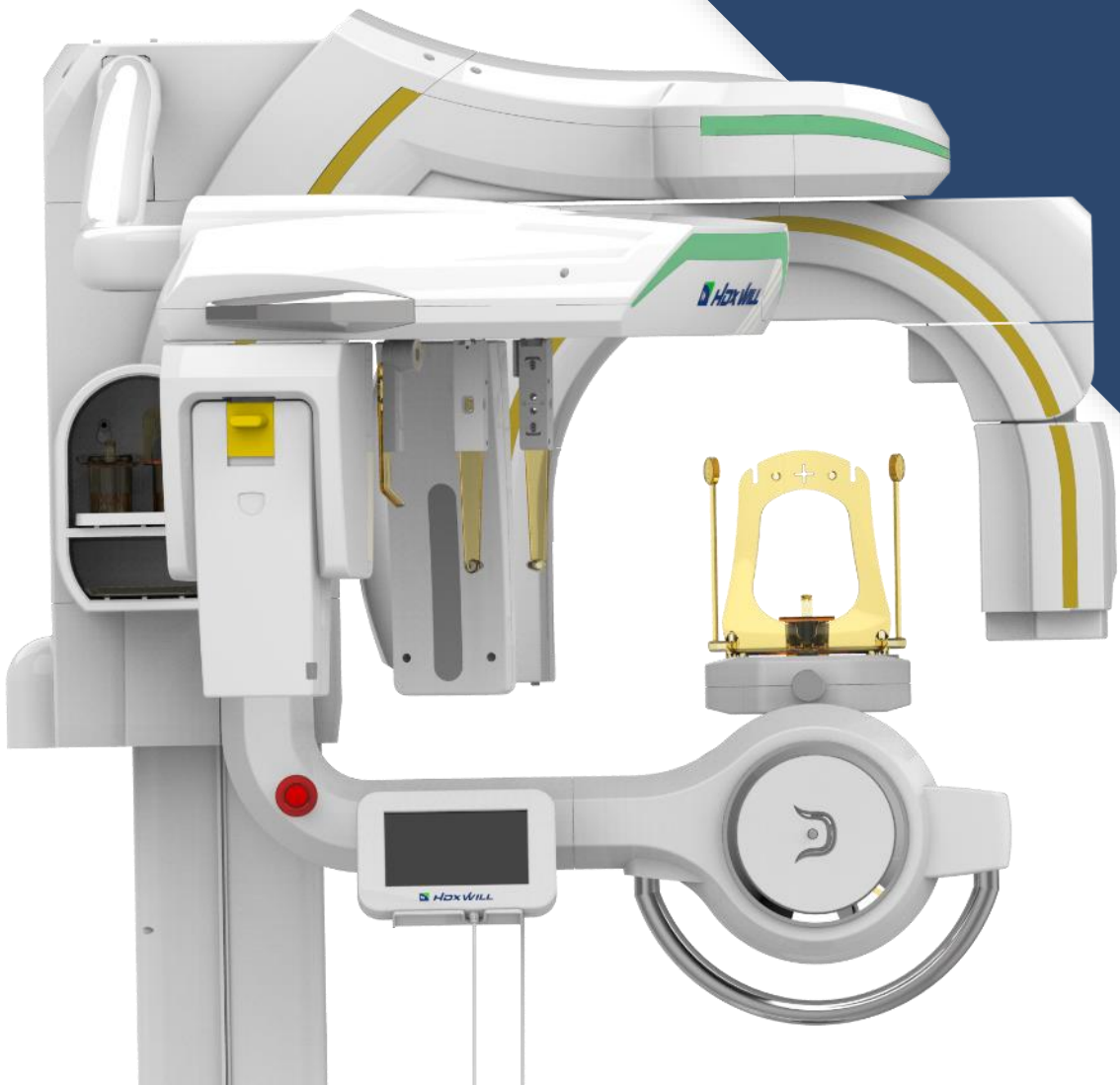


## Details and Description



## ● Scan mode and Specifications

Model	Series	MODE			
		CBCT	Panorama	Model Scan	Ceph (Scan)
eco-x	eco-x ai	•	•	•	
	eco-x-s ai	•	•	•	•
<b>Function</b>		CBCT + Panorama + Ceph (Scan) + Model Scan			
<b>Focal spot</b>		0.5mm			
<b>Scan Time</b>		CBCT : 8 s or 12 s (option), 24 s			
		Panorama : 14 s or less			
		Ceph (option) : 8 s or less			
<b>FOV size</b>		10 x 8 (Child), 12 x 9, 16 x 9, Free FOV (Minimum 3 x 3)			
<b>Voxel size (CT)</b>		0.1mm ~ 0.3mm			
<b>Tube Voltage</b>		60kVp ~ 90kVp			
<b>Tube Current</b>		4mA ~ 10mA			
<b>Dimension (WxDxH)</b>		eco-x, eco-x ai : 980mm x 1255mm x 2314mm			
		eco-x-s, eco-x-s ai : 1802mm x 1225mm x 2314mm			



**DENTRI**



# DENTRI

## Details and Description

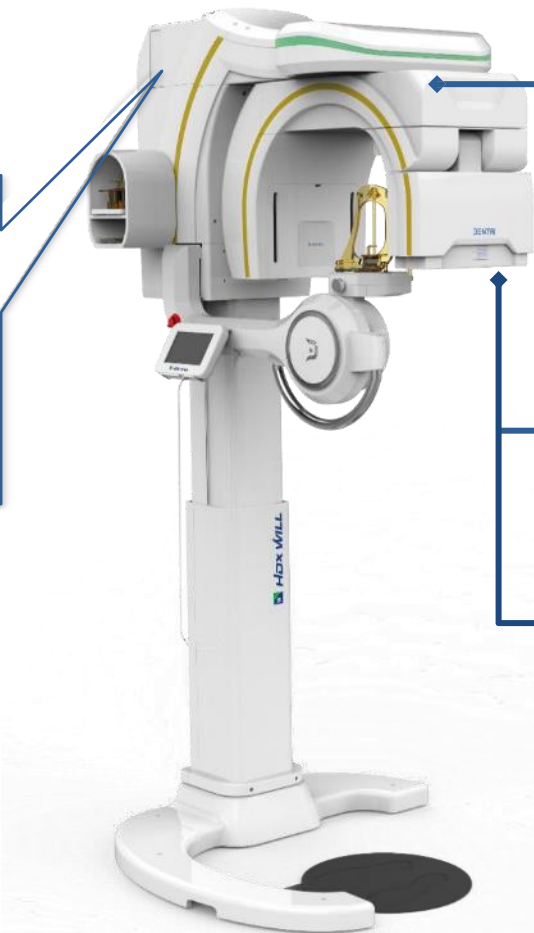


- **CBCT + Pano + Ceph**

- ✓ Voxelsize : 0.1 ~ 0.3 mm
- ✓ FOV (Field of View) : 16 x 14.5cm, 16 x 8cm
- ✓ Free FOV mode : 3 x 3cm ~ 12 x 8 cm
- ✓ Superior Stitching Technology
- ✓ Metal Artifact Reduction
  - Prospektive CBCT for dental and ENT with various scanning option
  - Remarkable MAR image that surpasses all other products.

# DENTRI

## Details and Description

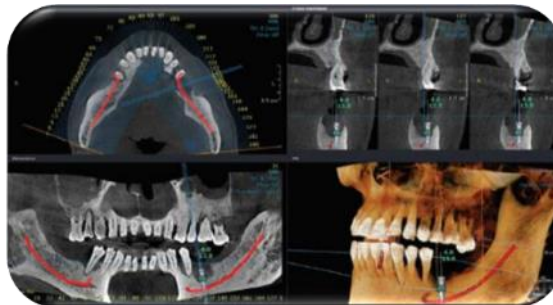


FOV: 16 x 14.5cm  
Free FOV

CBCT, PANO, CEPH images



3D imaging Software



Automatic Stitching Function



# DENTRI

## Details and Description

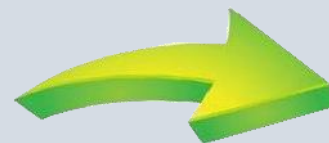
### ● Auto Stitching Technology



Stitching mode  
(Shot twice with 16 x 8)



Overlapping 1  
images



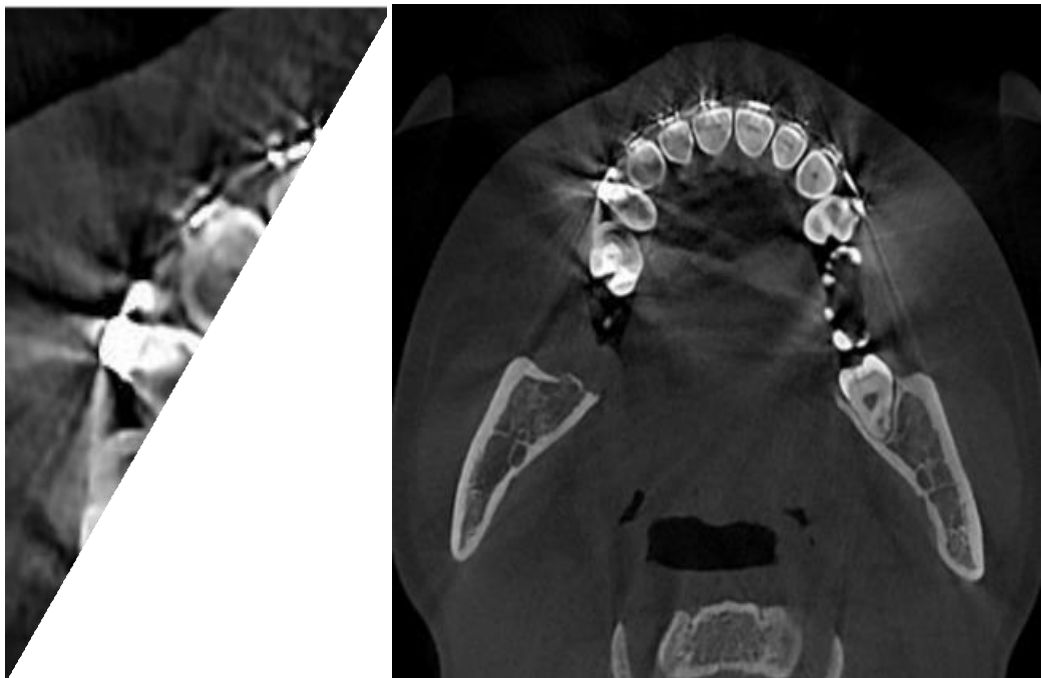
KEINE ÜBERLAPPENDE LINIE

- Automatic image overlap for larger image sizes.
- Clear images without stitching lines.

# DENTRI

## Details and Description

- MAR (Metal Artifact Reduction) Technology



Without MAR



With MAR

From analyzing anatomical structures to pathological diagnosis, clearly visualizes with exceptional low dose exposure.

# DENTRI



# DENTRI



# DENTRI

## Details and Description

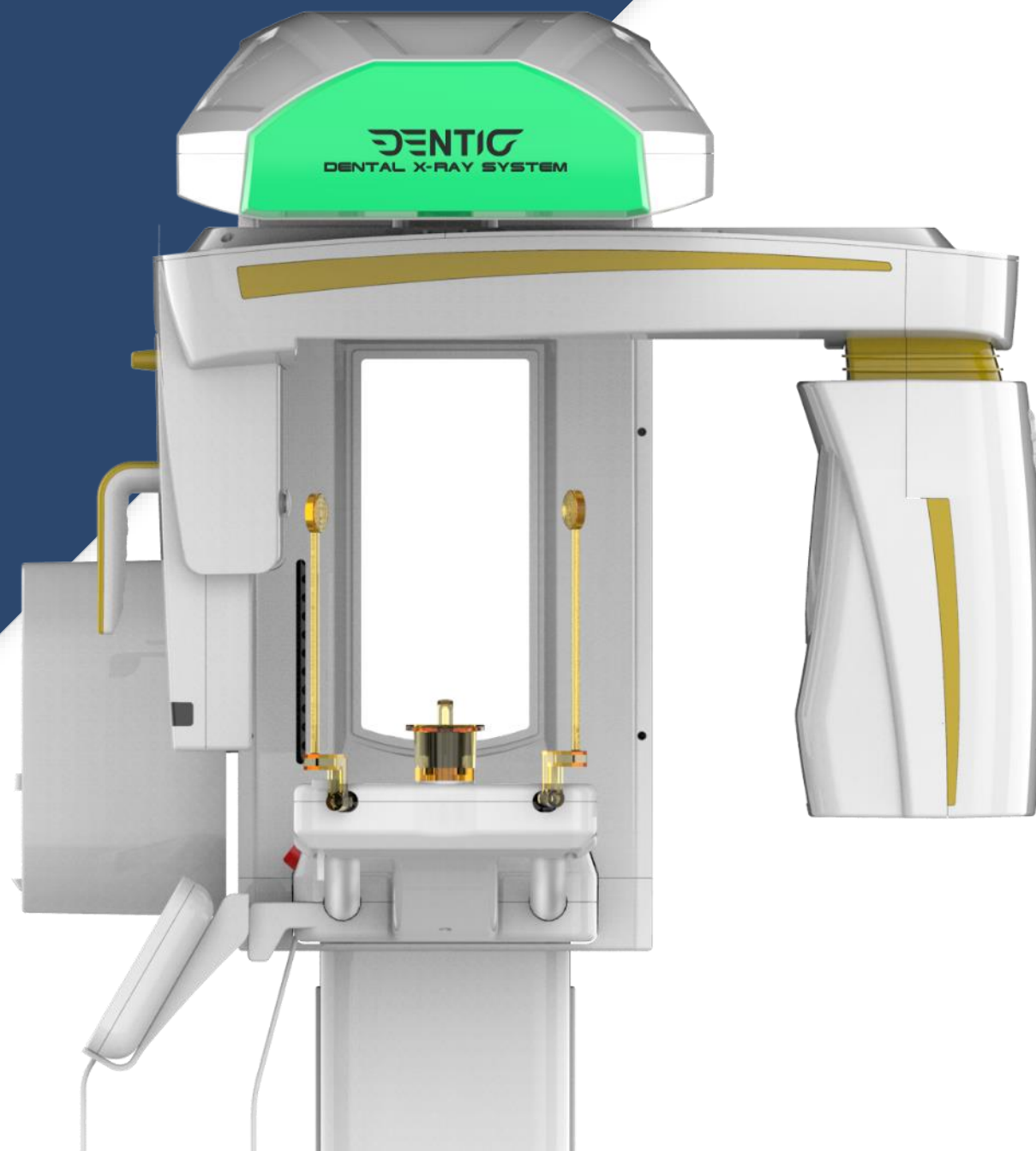


## Scan mode and Specification

Model	Series	MODE			
		CBCT	Panorama	Ceph (Scan)	Ceph (One shot)
DENTRI $\alpha$	DENTRI	•	•		
	DENTRI-S	•	•	•	•

<b>Function</b>	CBCT + Panorama + Ceph (Scan or one shot)
<b>Focal Spot</b>	0.5mm
<b>Scan Time</b>	CBCT : 8 s or 24 s CBCT : 16 s or 36 s (Stitch mode)
	Pano : 14 s or less
	Ceph (option) - Scan-Typ : 8.2 s or less
<b>FOV size</b>	10 x 8 (Kind)/ 16.x 14.5 / Free FOV (Minimum 3 x 3)
<b>Voxel Size (CT)</b>	0.1mm ~ 0.3mm
<b>Tube voltage</b>	60kVp ~ 110kVp
<b>Tube current</b>	4mA ~ 10mA
<b>Dimension (WxDxH)</b>	1201mm x 1361mm x 2455mm
	(with Ceph) 1941mm x 1361mm x 2455mm

DENTIG





# DENTIG

## Details and Description



- **Pano + Ceph**
  - ✓ Enables 2.5D Pano images with multi-layer technology.
  - ✓ Pano with precise autofocus function.
  - ✓ A variety of recording functions.
    - Panoramic acquisition supports Pano, TMJ and sinus mode.
    - Ceph acquisition supports Lateral, PA, SMV and Carpus mode

# DENTIG



# DENTIC



# DENTIG



# DENTIO

## Details and Description



## Scan mode and Specifications

Model	Series	MODE	
		Pano	Ceph (Scan)
Dentio III	Dentio III	•	
	DentioIII -S	•	•

Function	Pano + Ceph
Focal Spot	0.5mm
Scan Time	Pano : 14.2 s (Normal) / 7 s (Fast)
	Ceph (option) - 8.2 s (Normal) / 4.2 s (Fast)
Tube Voltage	60kVp ~ 90kVp
Tube Current	4mA ~ 10mA
Dimension (WxDxH)	980mm x 1222mm x 2309mm
	(with Ceph) 1953mm x 1222mm x 2309mm

# COME VISIT US

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# *HDX WILL*

EUROPE GmbH

# THANK YOU