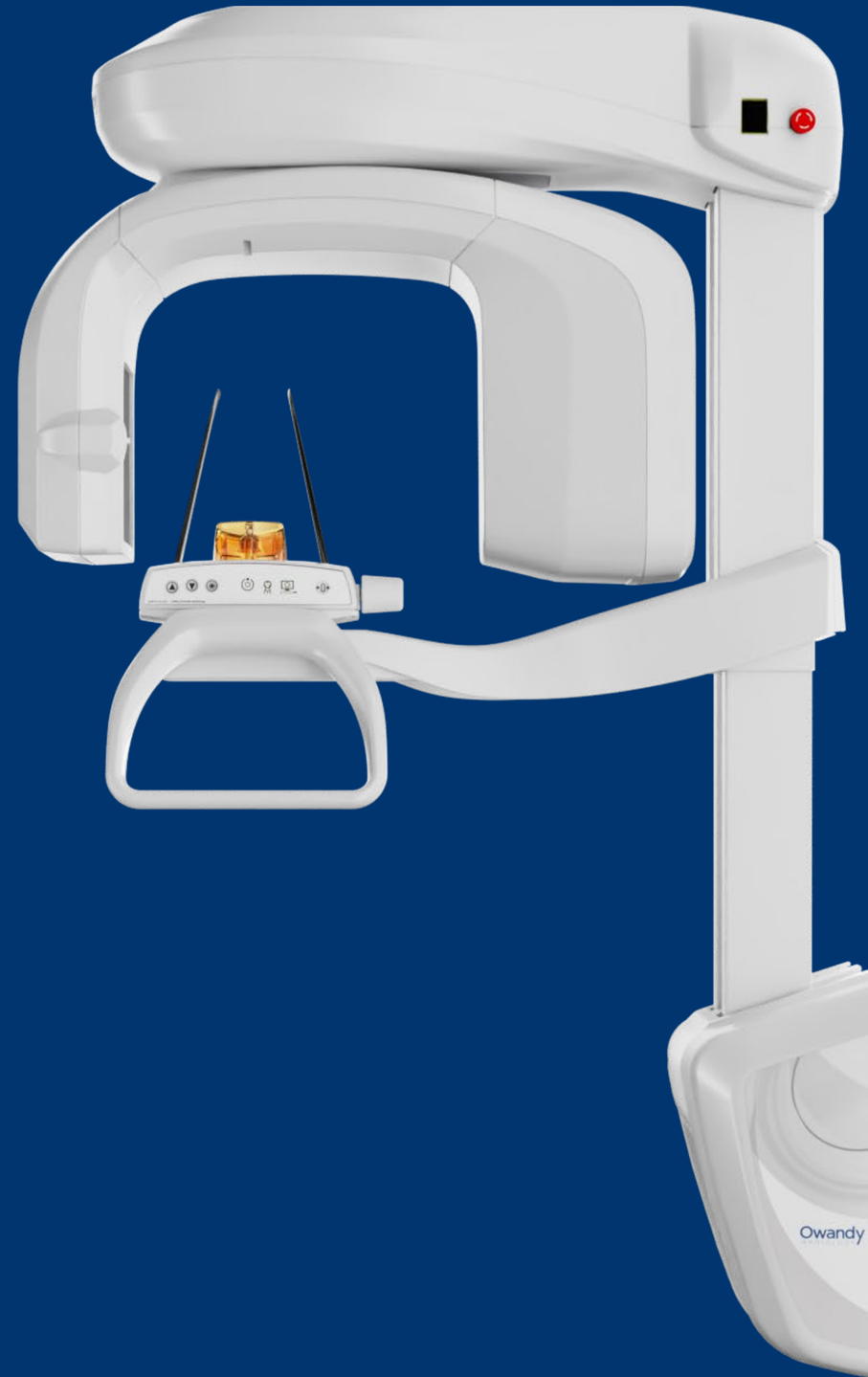
Product presentation

I-Max 3D **XPRO**

2D, 3D, Ceph version

Owandy RADIOLOGY



Overview

Our I-Max range, **20 years** of R&D for **150kg less**

Eco-design, fewer material resources, reduced impact on the environment.

2003 - I-Max Plus

210kg

2024 - I-Max XPRO

62kg

Eco-design
Product life cycle

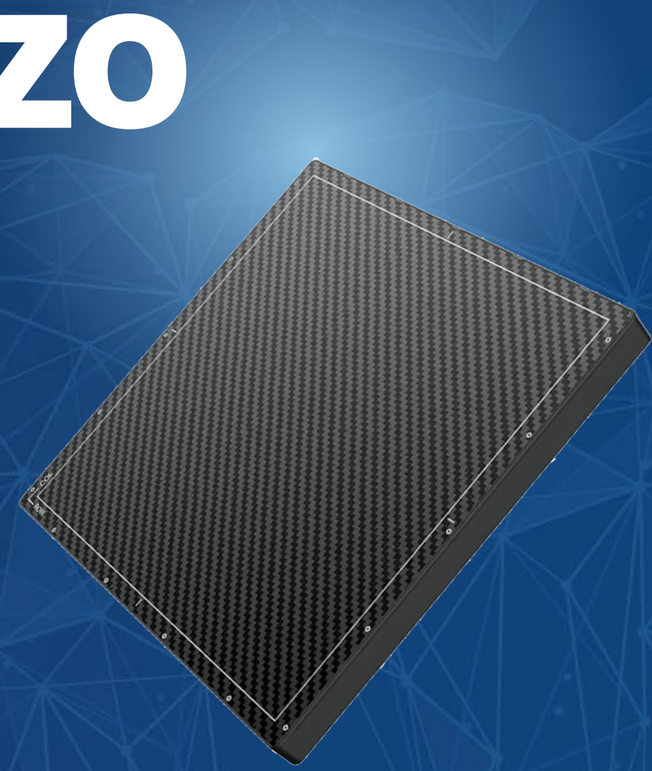
62kg

IGZO, new sensor technology

Unrivalled image quality

IGZO = **I**ndium **G**allium **Z**inc **O**xide

- Excellent image quality at low doses with dynamic contrast
- Voxel 70µm for 3D volumes



IGZO, smart sensor

Unrivalled image quality

Latest sensor technology with new algorithms:

Super IGZO

- **TRUVIEW® ART**
  Automatic reconstruction of image sharpness.
- **FOCUS** scintillator technology
  Create very low-noise images.
- **DEPAI** AI image processing
  AI denoising processing.

01

TRUVIEW® ART*

**Advanced image Reconstruction Technology*

Unique inverse filtering technology, using mathematical analysis, reconstructs and improves image sharpness. This patented technology corrects the blurring of an X-ray image to capture more detail. TRUVIEW®ART increases the MTF value by up to 30% by suppressing light scattering when X-rays are converted to light.

Sharper, clearer diagnostic images

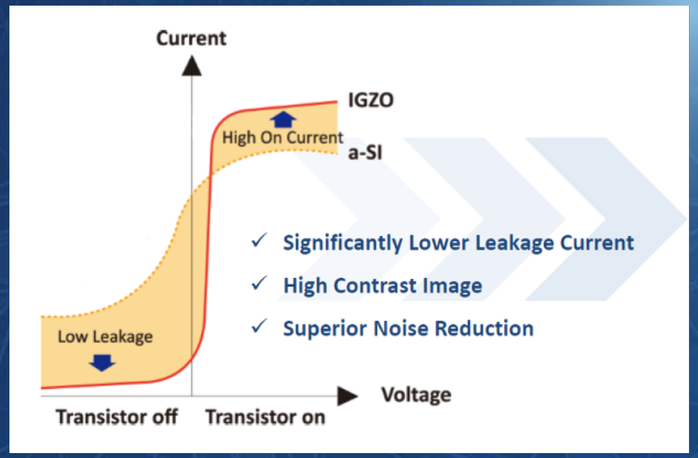
02

FOCUS* Scintillator Technology

**Fluorescent Optical CsI Upgraded Structure*

The FOCUS scintillator has a more focused optical signal than conventional CsI.

This results in very low noise and excellent SNR , even at low doses.



Sharper, clearer images with a lower dose

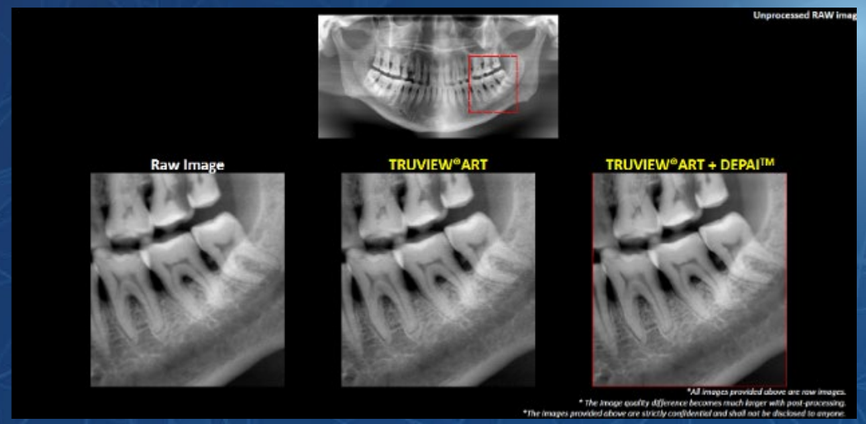
03

DEPAI*

**Denoising Processing Artifical Intelligence*

DEPAI AI Denoising uses the latest AI Imaging technology to achieve high quality, low noise images without compromising image sharpness.

With DEPAI AI Denoising image processing, the signal-to-noise ratio (SNR) is improved by 40%, enabling low-noise images to be obtained without having to worry about high-noise images.

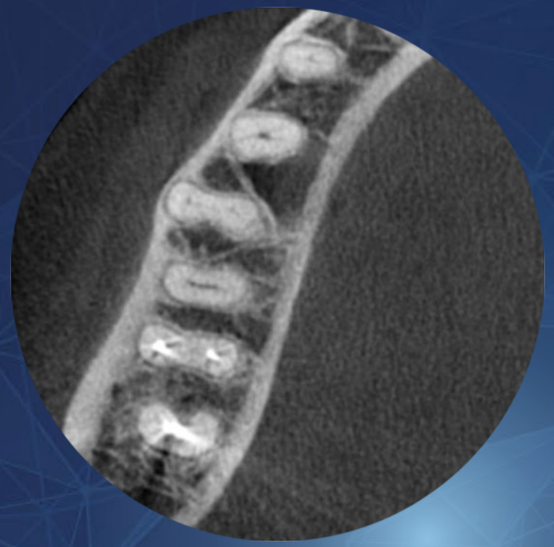


Sharper, clearer diagnostic images

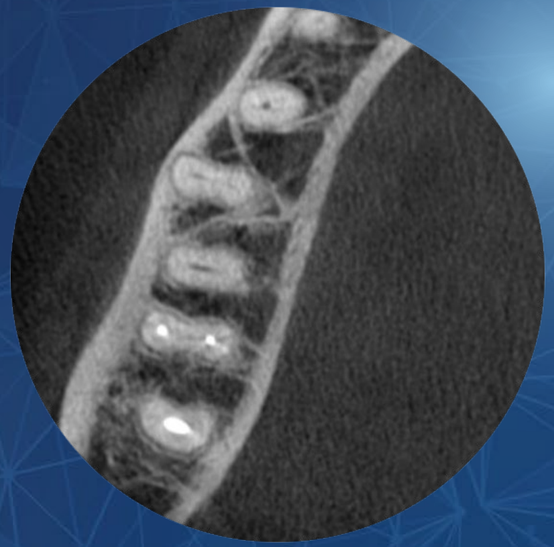
AutoMAR BY OWANDY (Automatic Metal Artefact Reduction)

Reduce radiation artefacts thanks to our new algorithm.

without AutoMar



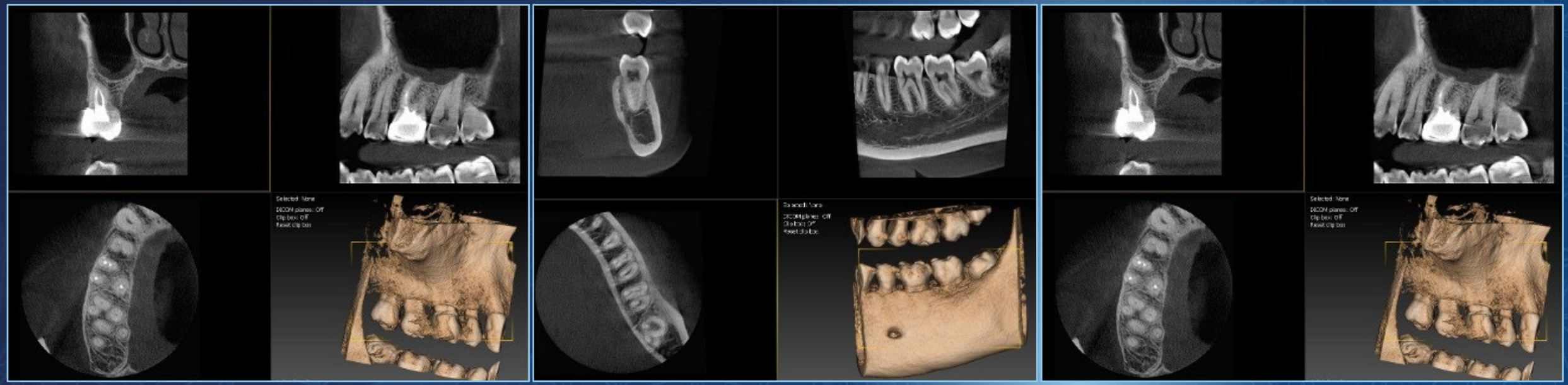
with AutoMar



side view

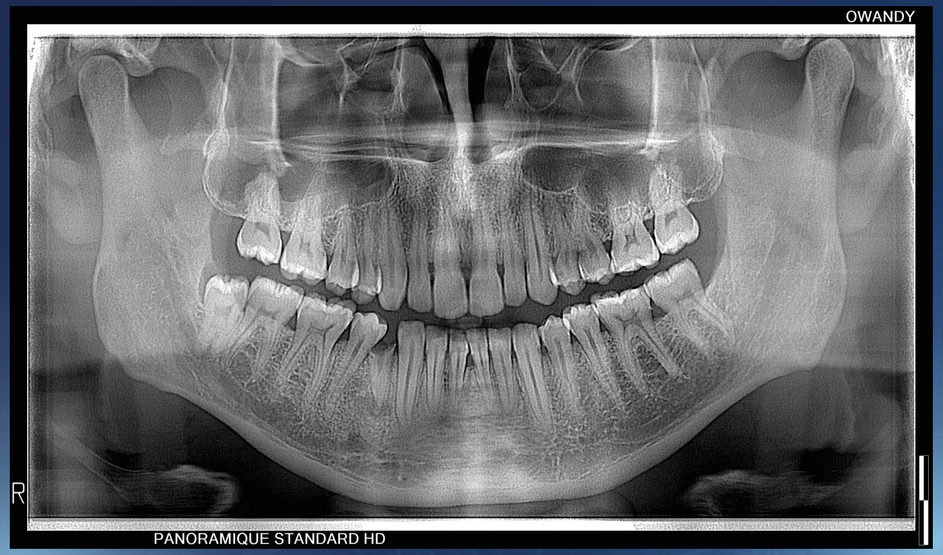
I-MAX 3D XPRO

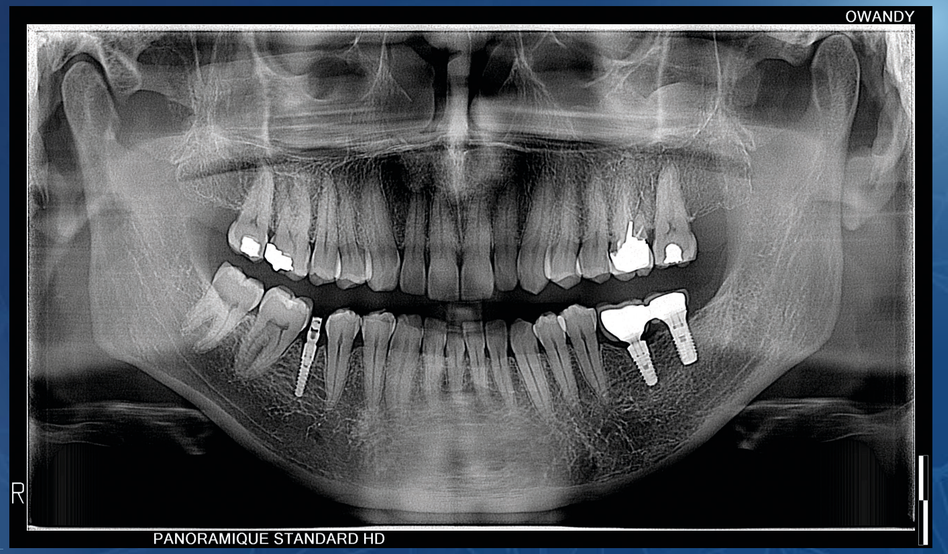
- High-definition images: 70µm

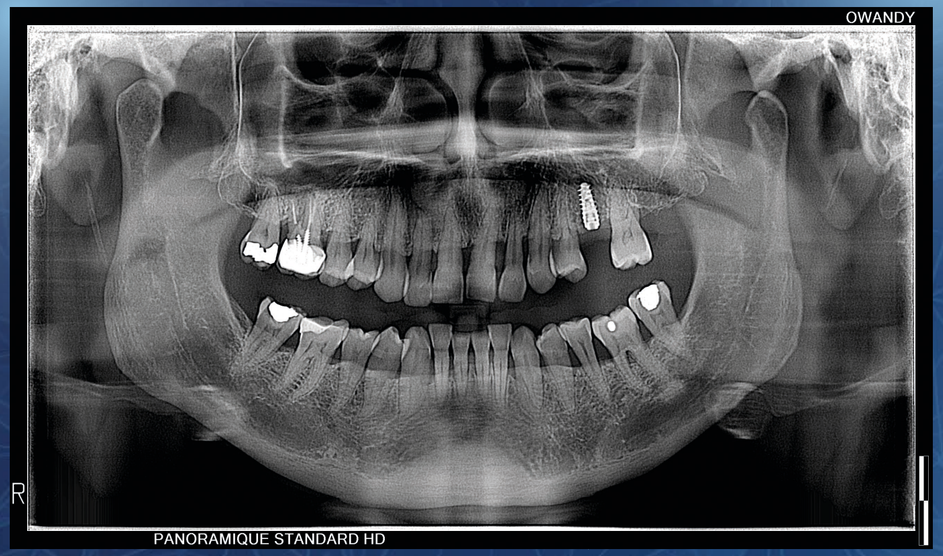


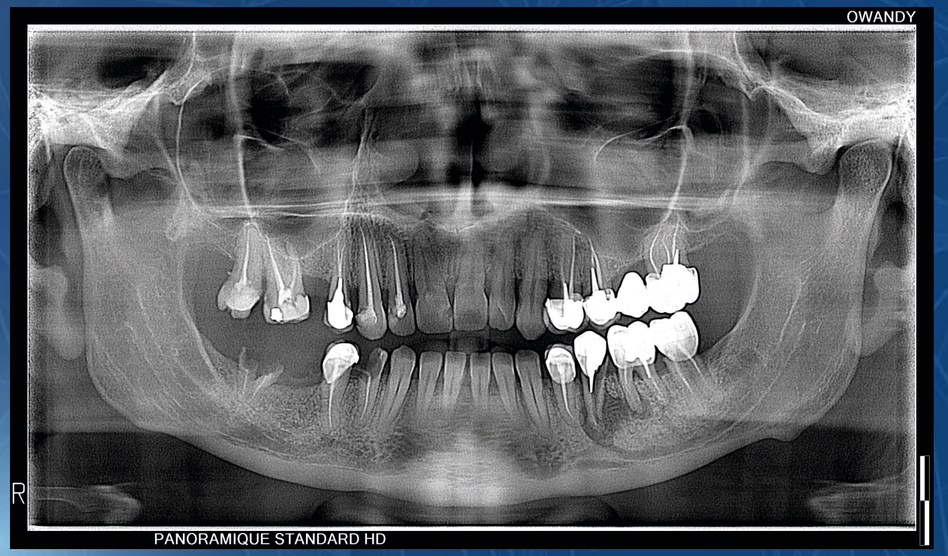
SENSORS LATEST GENERATION WITH SUPER IGZO TECHNOLOGY

Exceptional image quality while reducing X-ray doses to protect your patients.



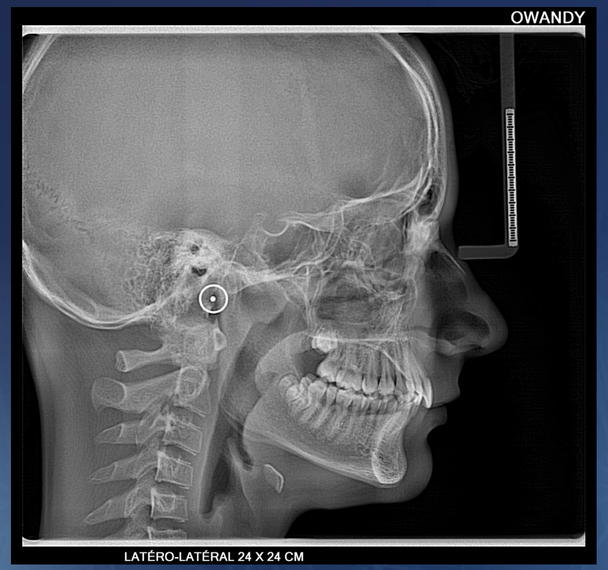


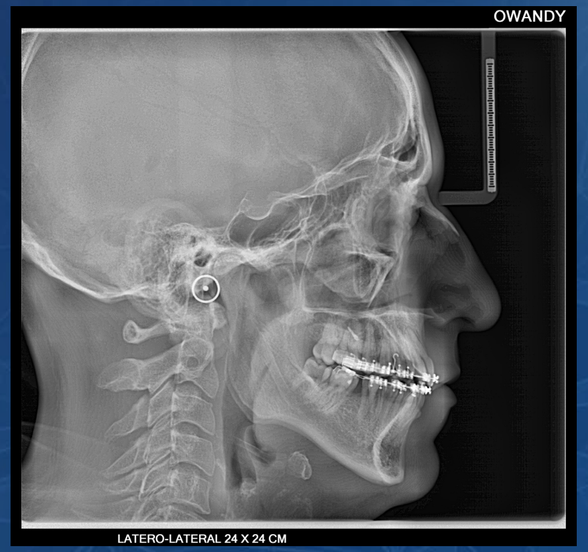


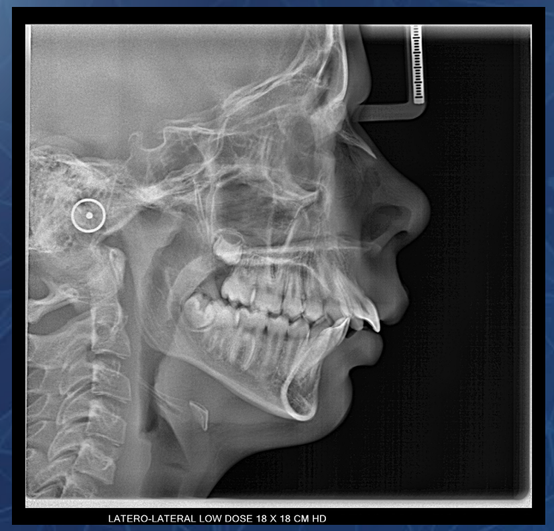


CEPHALOMETRIC SENSORS LATEST GENERATION WITH CMOS TECHNOLOGY

Exceptional image quality while reducing X-ray doses to protect your patients.

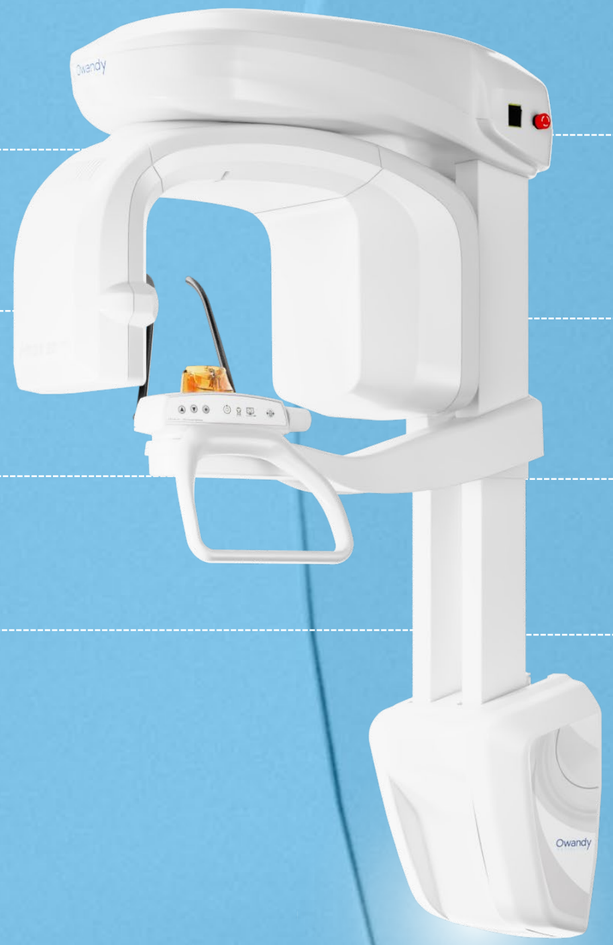






I-Max 3D XPRO : Key points

- Compact
- Automatic reduction of metal artefacts
- Face-to-face positioning
- Powerful software



- High-definition
- Lightweight
- 5-year warranty*
- Integrated I.A.

*optional. (Valid for sensor and generator)

EXCEPTIONAL IMAGE QUALITY
70µ ultra-high quality for improved patient diagnosis.

4-IN-1 MULTIFUNCTION MACHINE
Panoramic, 3D and cephalometric images and 3D objects scans (impression trays, plaster models).

GROUND OCCUPATION
Small footprint (<1m²) with wall-mounting for easy installation.

CREATE SURGICAL GUIDE
Safer surgery with greater gesture control.

3D CONE BEAM MULTI - F.O.V
20 3D programs with a field of view from 16x11 cm to 5x5 cm.

FACE-TO-FACE POSITIONING
For better patient positioning and image quality.

CONE BEAM MULTI-FOV (Field of view)

16 x 11 CM

Complete dentition, TMJ, sinuses, airways
(Optional)

12 x 10 CM

Complete dentition with condyles

9 x 9 CM

Complete dentition

9 x 5 CM

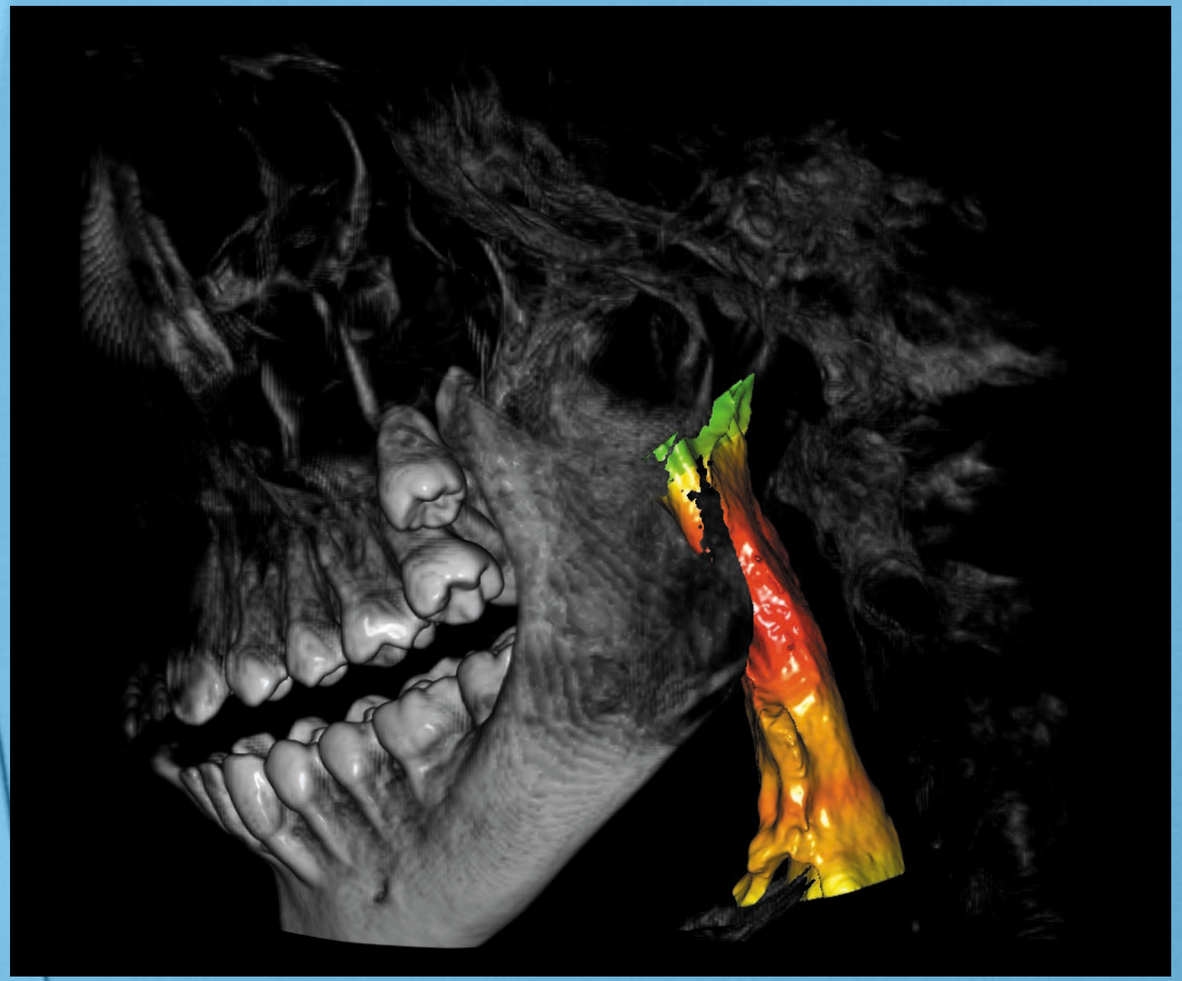
Complete arch

5 x 5 CM

Sectoral volume

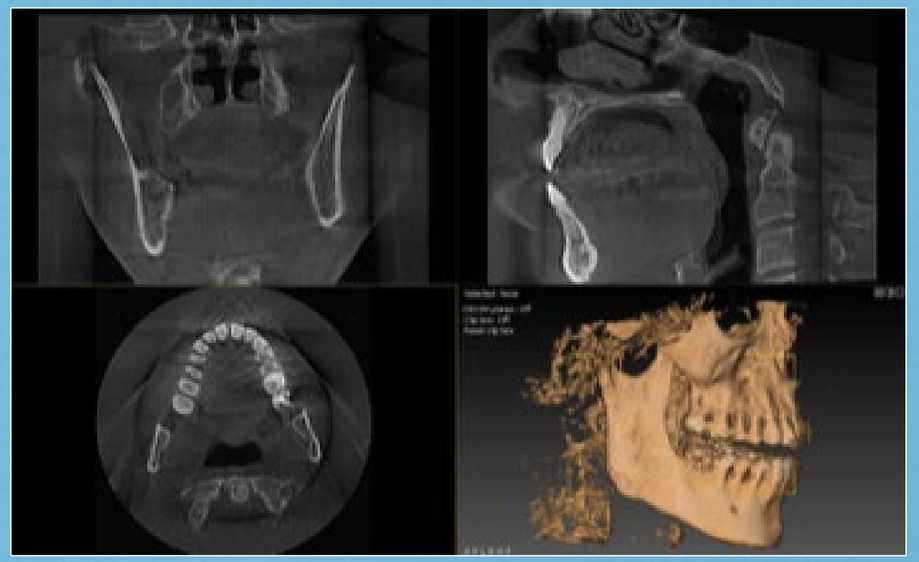
AIRWAYS STUDY

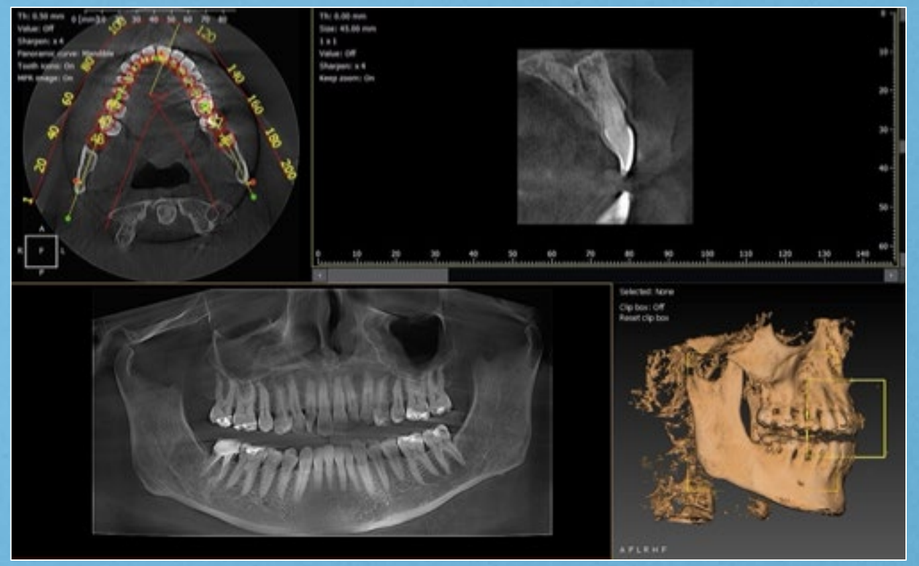
The images obtained enable precise airways measurement, essential for assessing conditions such as sleep apnoea, airway obstruction and other respiratory pathologies. The software also incorporates advanced measurement and analysis tools, enabling a comprehensive and personalised assessment for each patient.



I-Max 3D XPRO : **news**

- New optional 16 x 11 cm FOV
- FOV: 5x5, 9x5, 9x9, 12x10 & 16x11
- Complete condyle + airways
- Goals: equivalent volume as a traditional panoramic image





I-Max 3D XPRO : **dimensions**

67kg

2D/3D

75kg

NEW
2D/3D

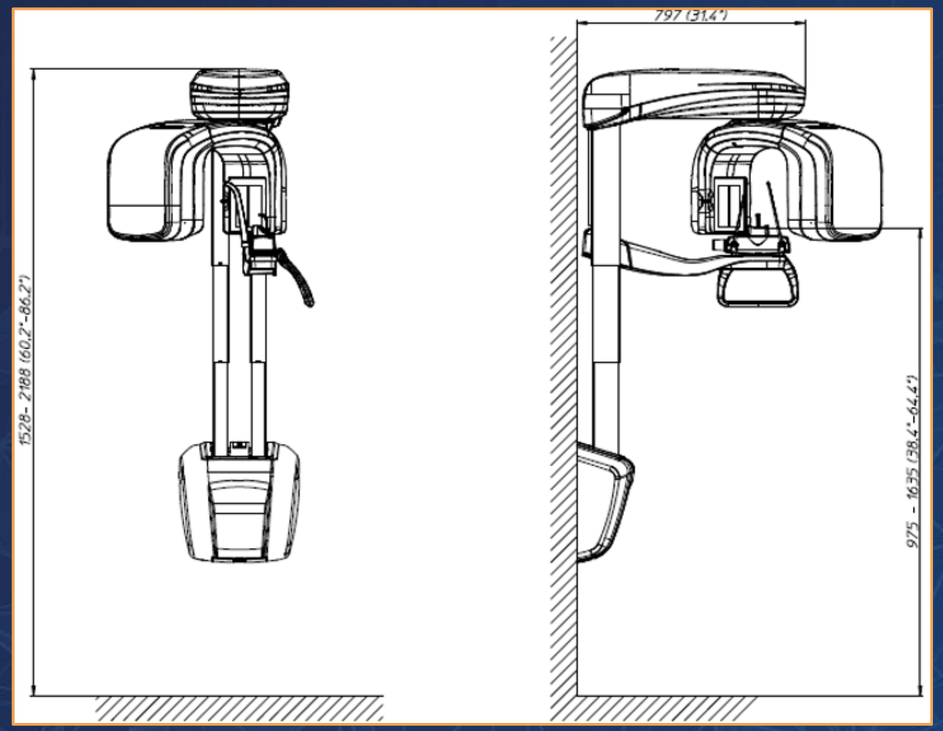
123kg

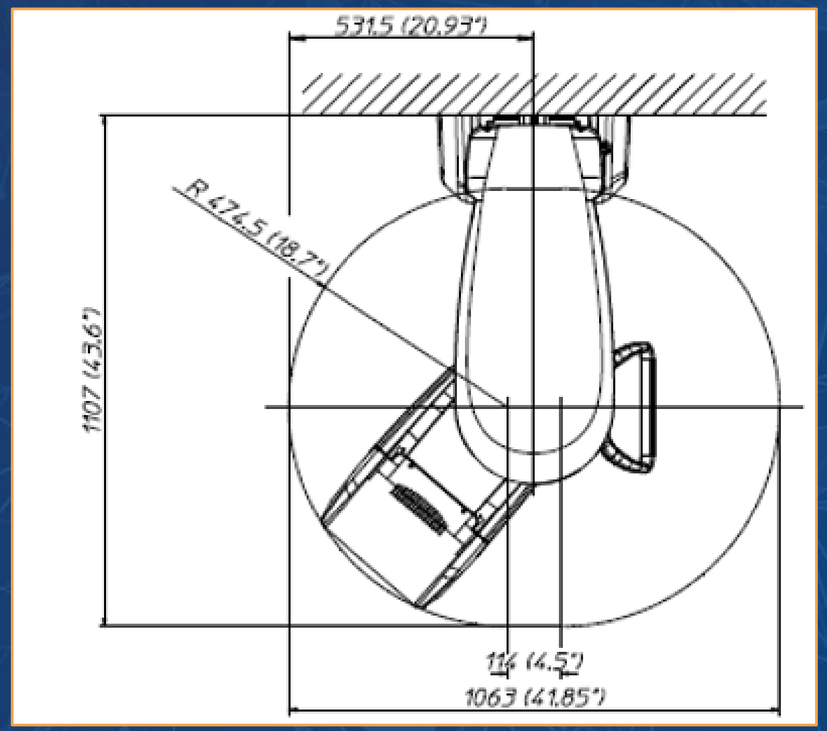
2D/3D/Ceph

I-Max Pro & I-Max 3D Pro **dimensions**

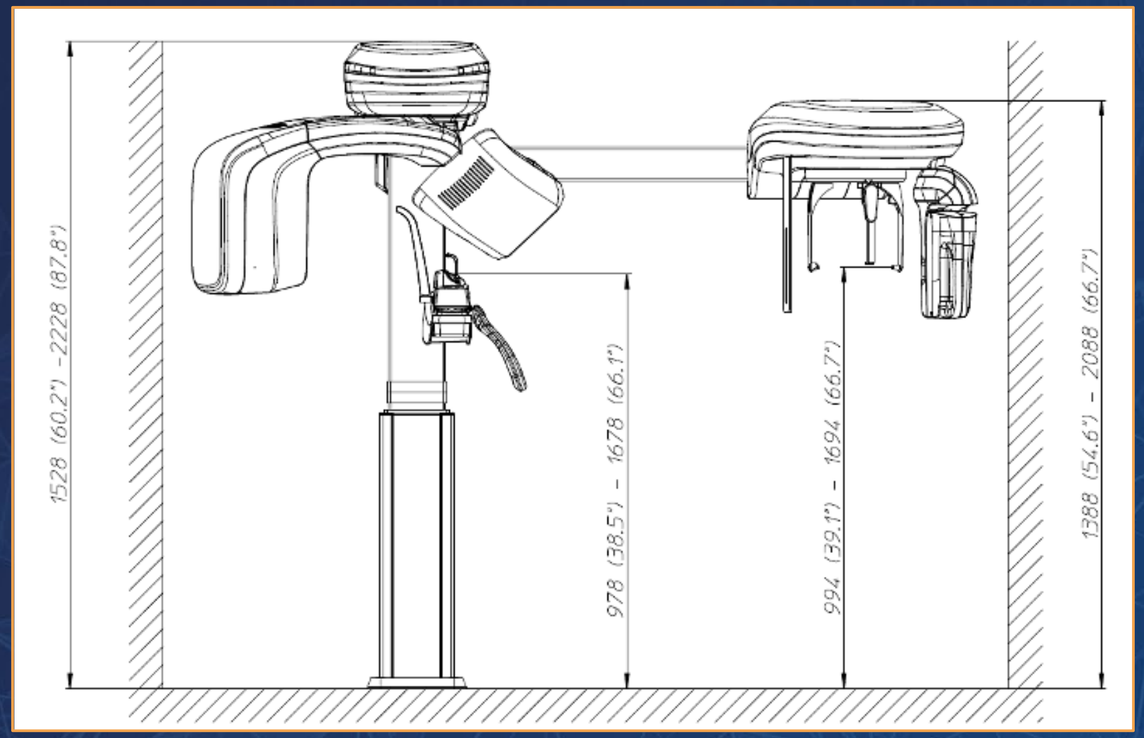
Max. overall dimensions :
1107 x 953 mm, H max = 2184 mm

That's **just** 1 m^2!



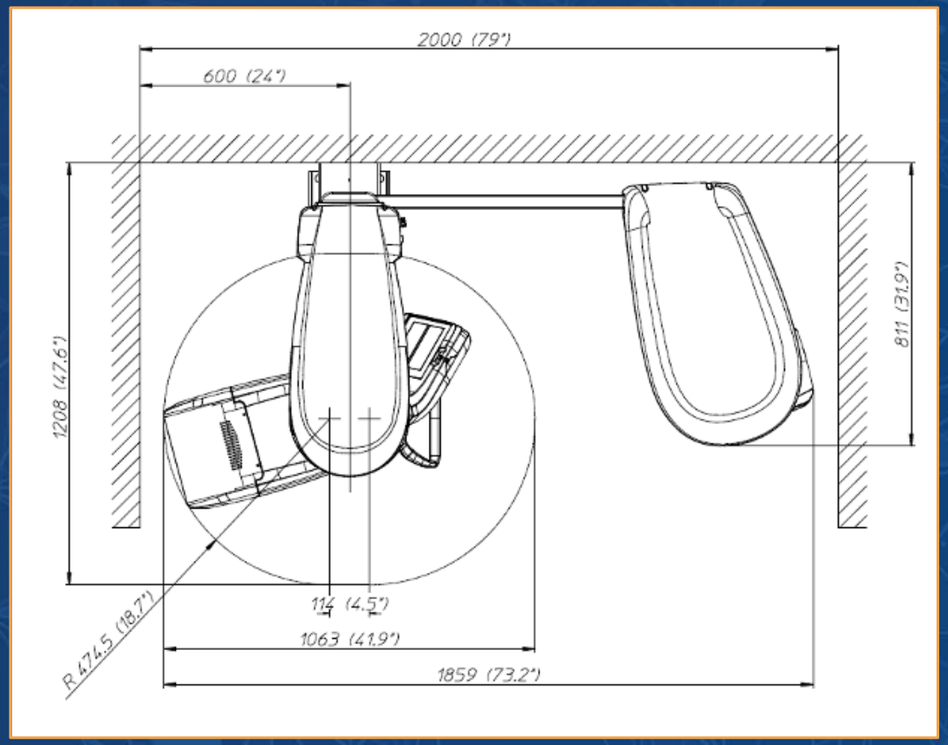


I-Max Ceph Pro & I-Max 3D Ceph Pro **dimensions**



Minimal footprint:

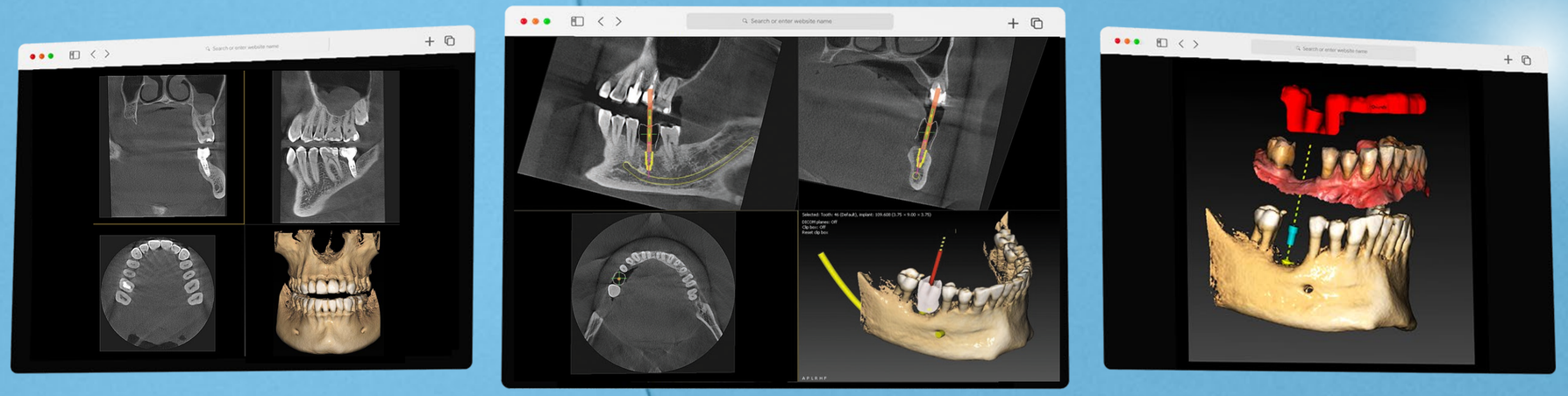
185cm wingspan



QuickVision 3D

3D software with built-in AI

- Complete implant planning software
- Generates cross-sections and bone models from axial images
- Drawing of the mandibular canal and presentation of the 3D bone model to calculate bone density



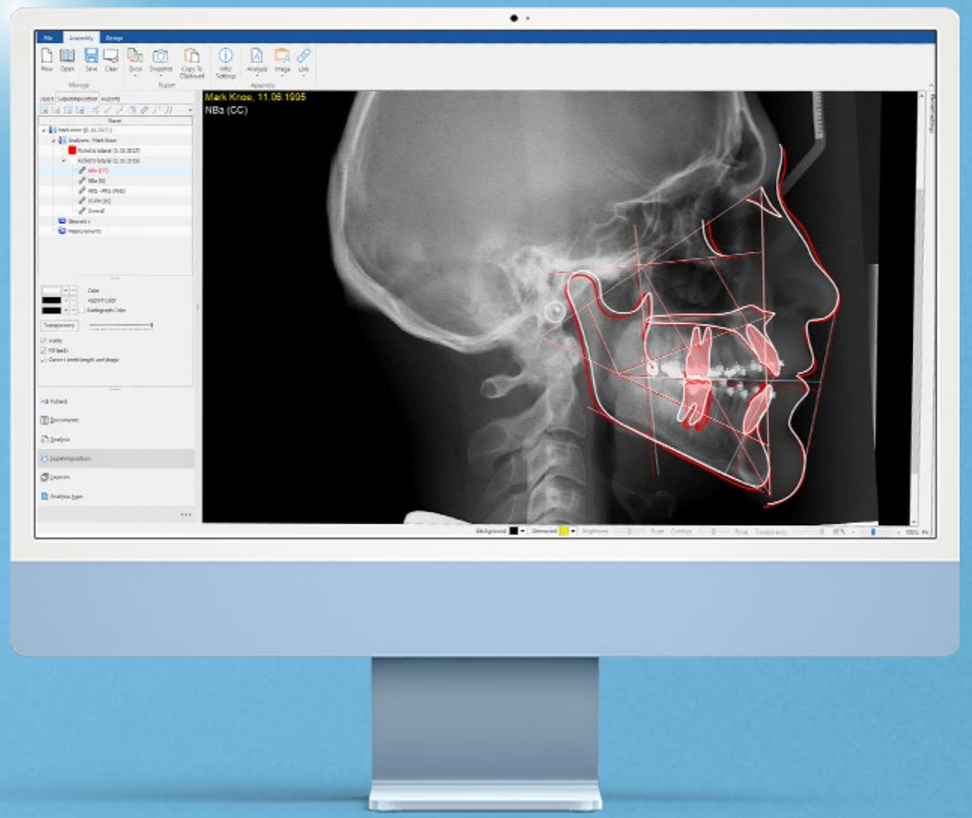
Your best ally for implant surgery:

faster, safer and more effective.

- Matching by AI. between STL file and DICOM file
- CAD / CAM ready
- Face Scan ready
- Creation of surgical guides
- Airway studies

Ceph Analysis

Orthodontic software with integrated AI



Powerful and revolutionary

Work automation with Ceph Analysis & artificial intelligence

Software for the study of cephalometric tracings which uses automatic tracing by A.I. (Artificial Intelligence) and provides more than 200 types of examination.

Ceph Analysis is an optional module in QuickVision.

Automatic cephalometric tracing
The A.I. automatically finds landmarks, planes and silhouettes of soft and hard tissues on lateral or PA radiographs in a matter of seconds.

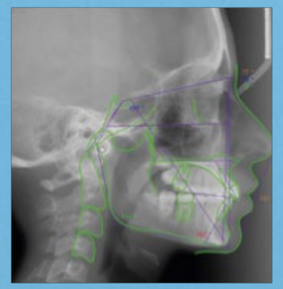
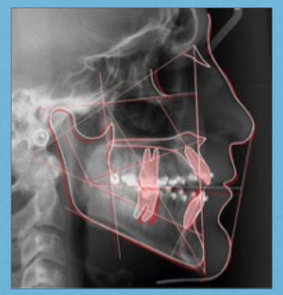
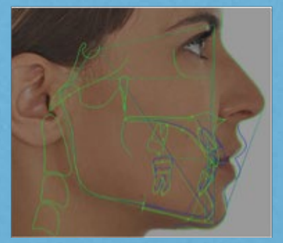


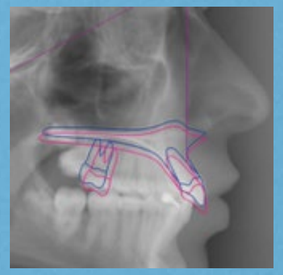
Image analysis and overlay
Analyses and patient images can be superimposed automatically or manually.



Treatment plan forecasts
VTO (virtual treatment orthodontic) and STO (simulation treatment orthodontic) can be used to create treatment plans.



Projection of bone growth



Owandy academy

Owandy offers you a remote training service.

Our experts will support you on a daily basis for all your requirements, from the simplest to the most complex (guided full arch surgery).

Appointments can be made online
https://www.owandy.com/dental-training-owandy-academy/

I-Max XPro Range




Owandy®

	I-Max Pro	I-Max Ceph Pro	I-Max 3D XPRO		I-Max 3D Ceph XPRO
			Wall-mounted	Column	
2D panoramic	●	●	●	●	●
3D Cone Beam			●	●	●
Cephalometric		●			●
FOV			16x11*, 12x10, 9x9, 9x5, 5x5 cm		16x11*, 12x10, 9x9, 9x5, 5x5 cm
Programs	24 2D programs	24 2D programs 9 Ceph programs	20 3D programs 24 2D programs «Low Dose» Program		18 3D programs 24 2D programs 9 Ceph programs «Low Dose» Program
Mounting	Wall	Wall & Floor	Wall or Wall & Floor		Wall & Floor
Warranty	2 ans (5-year warranty option**)				
Installation options	- Floor installation base- Wall-mounted column	- Floor installation base	- Floor installation base - Wall-mounted column		- Floor installation base

*Optional




	I-Max Pro	I-Max Ceph Pro	I-Max 3D XPRO		I-Max 3D Ceph XPRO
Category	IIb / CE0051				
Power supply	110-120 V, 220-240 V to 50/60Hz				
Anode voltage	from 60 to 70 kV	from 60 to 86 kV	from 60 to 90 kV		
Total weight	from 2 to 7,1 mA	from 2 to 12,5 mA			
Total weight	62 kg	118 kg	67 kg (Murale)	75 kg (Colonne)	123 kg
Inherent filtration	2 mm Al eq. @ 70kVp	± 2,5 mm Al. eq@ 86kVp			
HF generator	Constant potential (DC)				
X-Ray focal spot	0,5 mm EN 60336				
Connection	LAN, Ethernet				
Voxel	N/A		70µm (min. cross-section depth)		

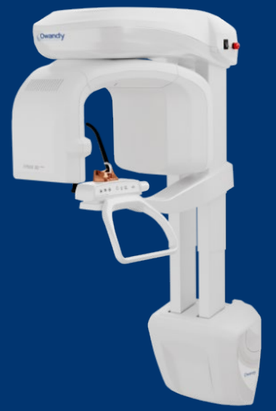
A complete range of 2D, 3D and Cephalometric panoramic images

I-Max PRO
(Wall-mounted)

I-Max Ceph PRO
(column)

I-Max 3D XPRO
(column)

I-Max 3D Ceph XPRO
(column)



I-Max 3D XPRO
(Wall-mounted)

Owandy RADIOLOGY

2 rue des Vieilles Vignes - 77183 Croissy-Beaugourg, France
Tel : +33 (0)1 64 11 18 18
www.owandy.com

Version EN2025A001