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This medical device is classified as class IIb according to the European Medical Device Directive in force.
It bears the CE marking. Notified Body: IMQ 0051. This medical device is intended for dental care and is reserved for health care professional; it is not reimbursed by health insurance agencies. This equipment has been designed and manufactured in keeping with a quality system certified EN ISO 13485. Carefully read the user manual available at www.acteongroup.com Manufacturer: X-ray Company (Italy) Distributed by de Götzen S.r.l. (Italy)

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ACTEON

EN

IT'S TIME FOR EFFICIENT 3D DIAGNOSIS

X MIND **prime**



ACTEON

3D DIAGNOSIS IS MORE ACCESSIBLE THAN EVER WITH A SMART AND COMPACT SOLUTION



ACTEON INNOVATIVE IMAGING

X-MIND® PRIME
is a smart solution, providing
high-technology capabilities
and simplicity of use.

This ingenious unit offers
all essential diagnostic tools
in an accessible product.

X MIND prime

56

2D and 3D exams to cover
all your clinical applications

1

minute
to edit your implant report with
the intuitive AIS software

1 to 1

Face-to-face patient
positioning

0

Footprint space
with the innovative wall
mounted system

100%

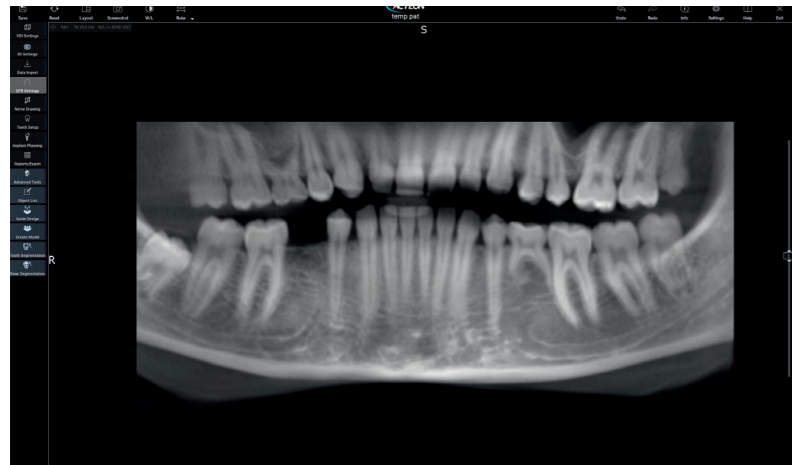
Mac® and Windows® compatible
with AIS software



PROVIDE A COMPREHENSIVE CLINICAL OVERVIEW

IMPLANTOLOGY CLINICAL CASE

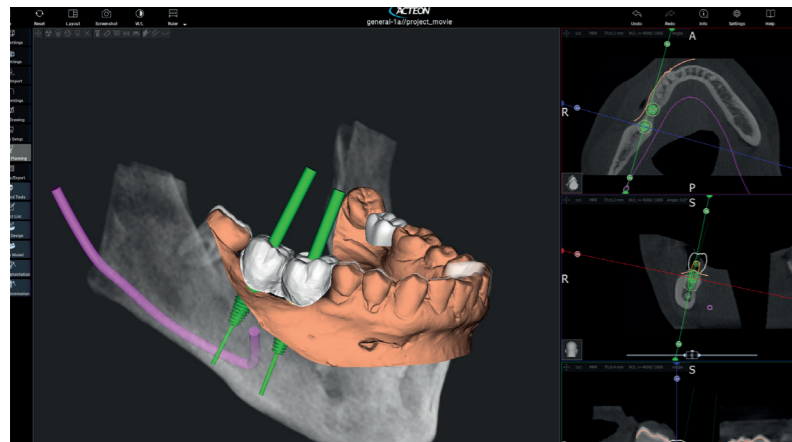
FROM DIAGNOSIS TO TREATMENT, GET FULL SOLUTION



1

INITIAL SITUATION

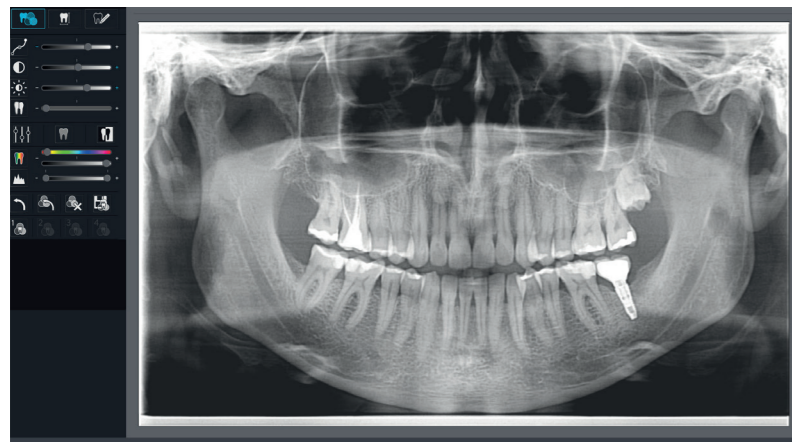
Reconstructed panoramic from the 3D volume



2

IMPLANT PLANNING

Virtually place the implant in the right position, thanks to the bone assessment functionality



3

POST PROCEDURE

Patient follow-up thanks to a panoramic exam

X-Mind® prime is a complete imaging solution, combining panoramic and 3D X-rays, from general examination to specific treatment planning.

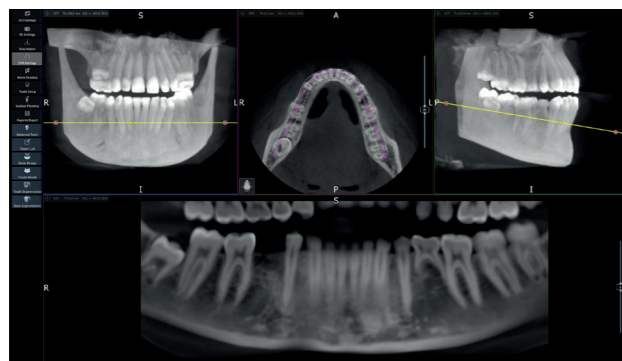
- ▶ Choose your 2D and 3D examination from a wide range of applications
- ▶ Plan your treatment
- ▶ successfully communicate with your patient



EASILY PLAN YOUR TREATMENT WITH A DIGITAL WORKFLOW

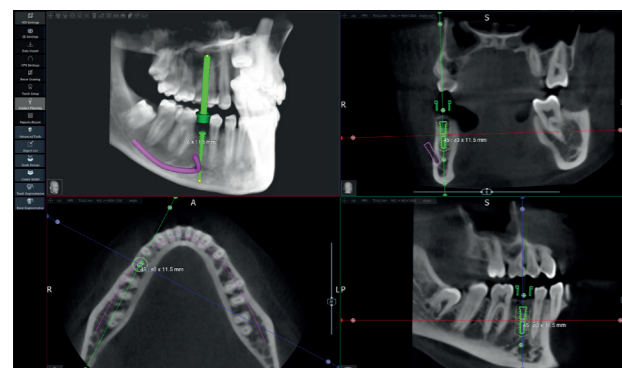
IMPLANT PLANNING MADE EASY

Delivered with the smart AIS software, X-Mind® prime is an essential tool for treatment planning and post-procedure follow-up.



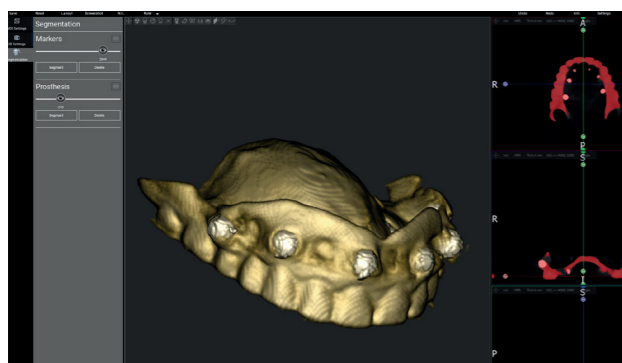
Dental panoramic wizard & Reconstructed panoramic view

▶ Draw a panoramic curve



Localization of the implant and the mandibular canal

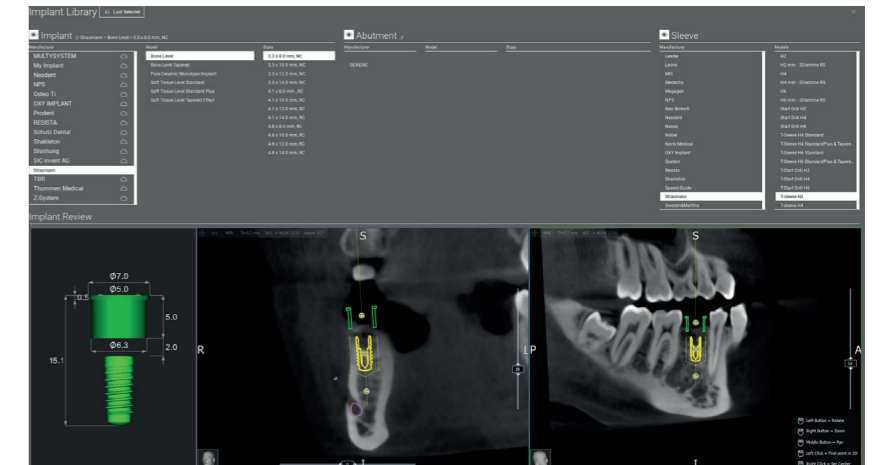
▶ Trace the mandibular canal and measure the distance between the upper canal boundary and the upper mandibular crestal bone to plan the safest surgery for your patient.



Appliance surface generation

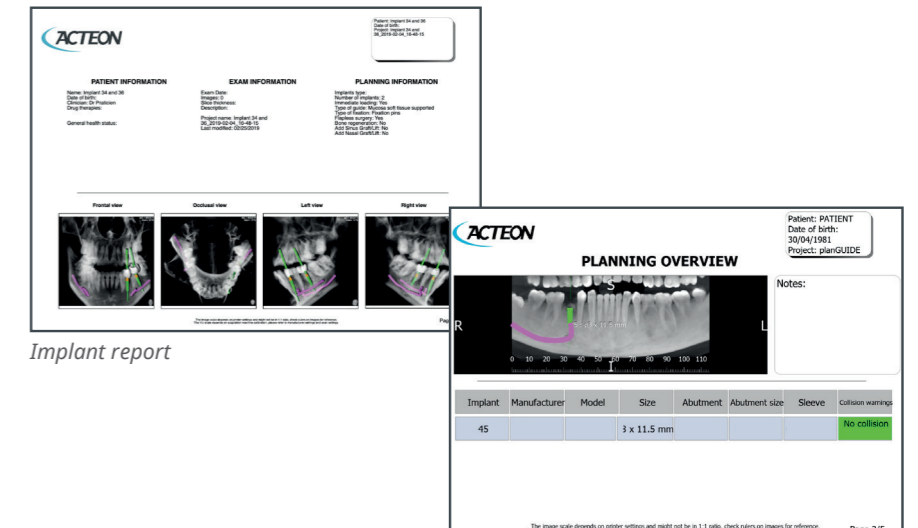
▶ The Dual scan protocol will help you to better position the implants in regards to the soft tissues, thanks to the overlapping function. Scan the patient appliance with the X-Mind® prime 3D scan objects feature, generate its surface and export it in STL file. Then this file will be used for the matching with the patient scan.

▶ Select the right implant from a large library



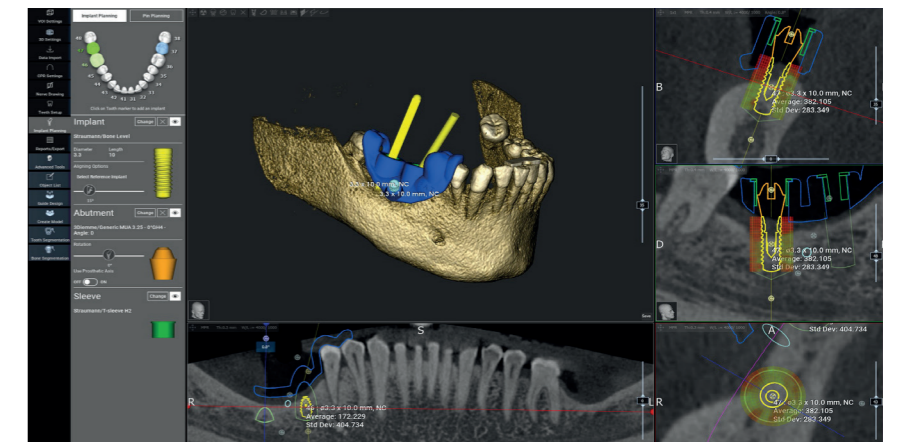
Place your implants

▶ Print your illustrated and complete implant report in less than one minute



Implant report

▶ Create your surgical guide with the AIS 3D APP DESIGN module: ACTEON® first fully intuitive surgery guide software for dentists.



DIAGNOSE WITH THE HIGHEST QUALITY 2D & 3D IMAGES

WIDE RANGE OF APPLICATIONS

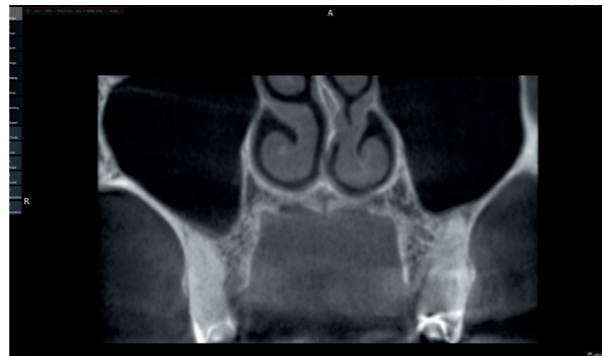
X-Mind® Prime adapts to the needs of both specialists and general practitioners.

- ▶ Evaluate detailed morphology of bone tissue



Apical lesion on 22 with bone destruction and extended to the 21

- ▶ Explore the maxillary sinus



Maxillary sinus analysis

- ▶ Examine maxillofacial diseases



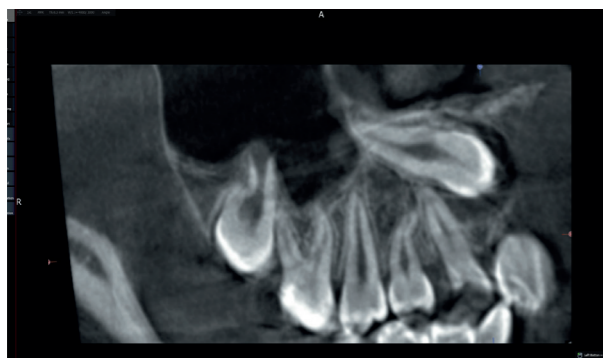
Cyst on fourth quadrant (lower right), with bone destruction

- ▶ Detect dental anomalies



Bone loss on 21, 22 and 26

- ▶ Determine the protocol to extract impacted teeth

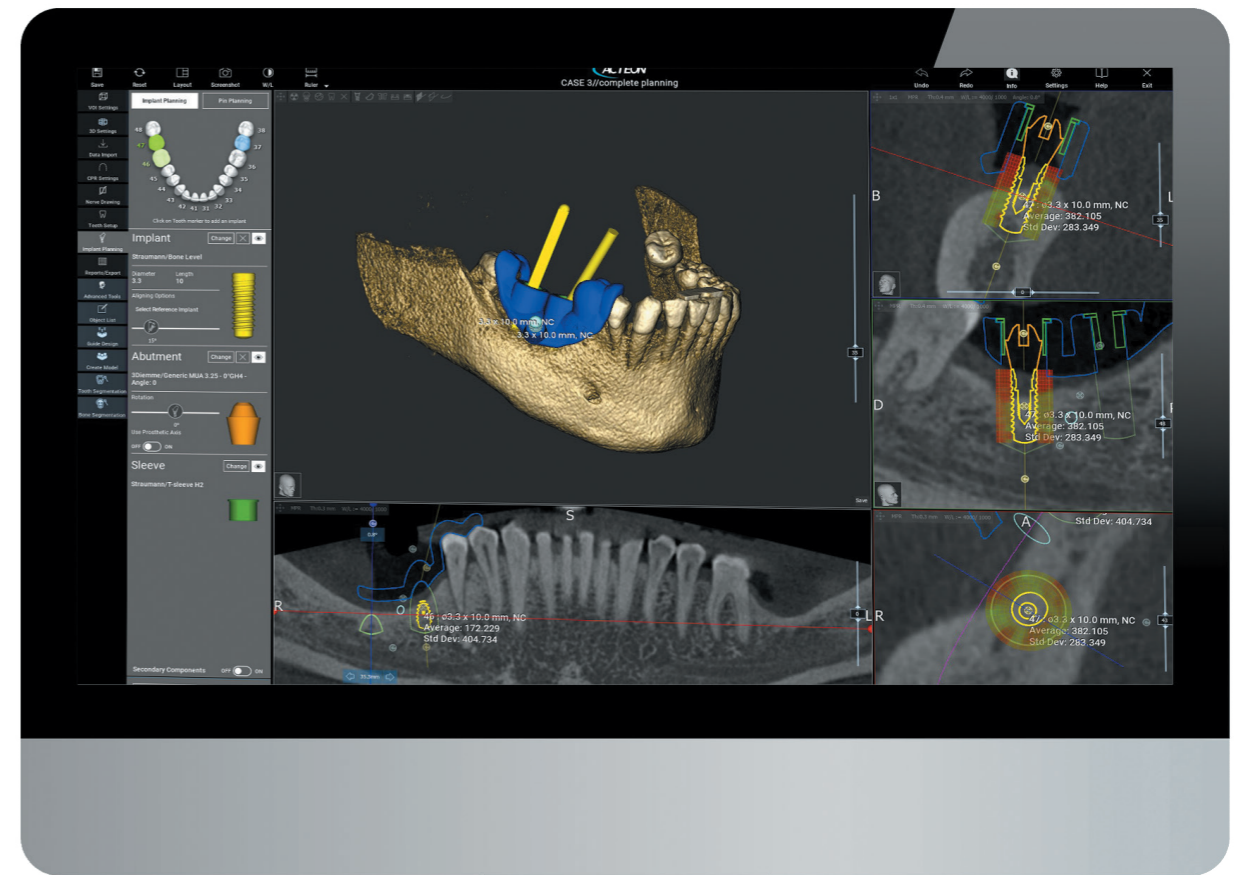


Impacted canine (13)

- ▶ Diagnose temporomandibular joint disorders

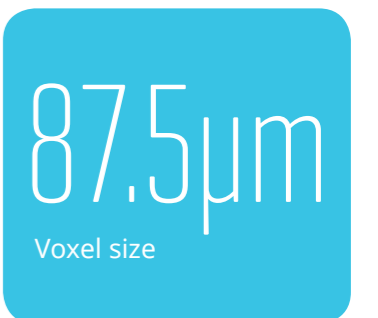


Left TMJ



ACCURATE IMAGES FOR IMPROVED DIAGNOSIS

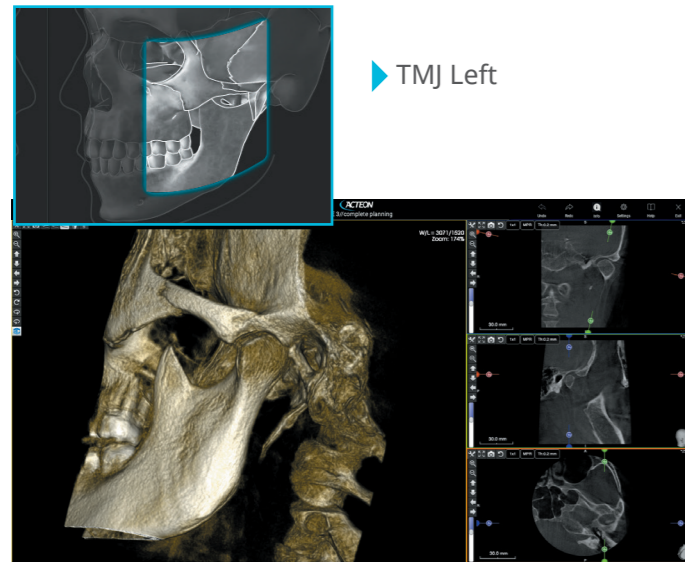
With a minimum voxel size of 87,5 µm, you will get detailed three-dimensional reconstructions, able to highlight the smallest anatomical elements.



STEP INTO 3D IMAGING AND EXPAND YOUR CLINICAL APPLICATIONS

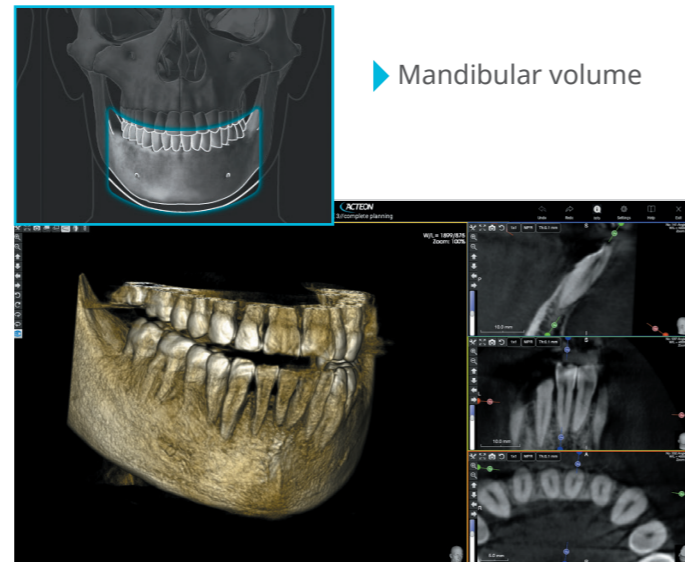
EFFICIENT 3D SOLUTION FOR EVERYONE

X-Mind® prime 3D offers a full range of acquisition programs thanks to its multiple FOV (from 50x50 to 120x100). Once you select the region of interest, the settings and doses are automatically adjusted.



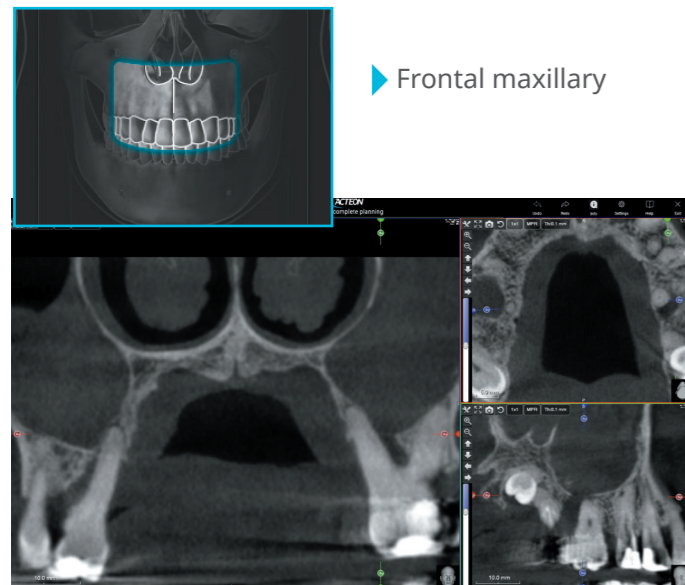
▶ TMJ Left

TMJ analysis



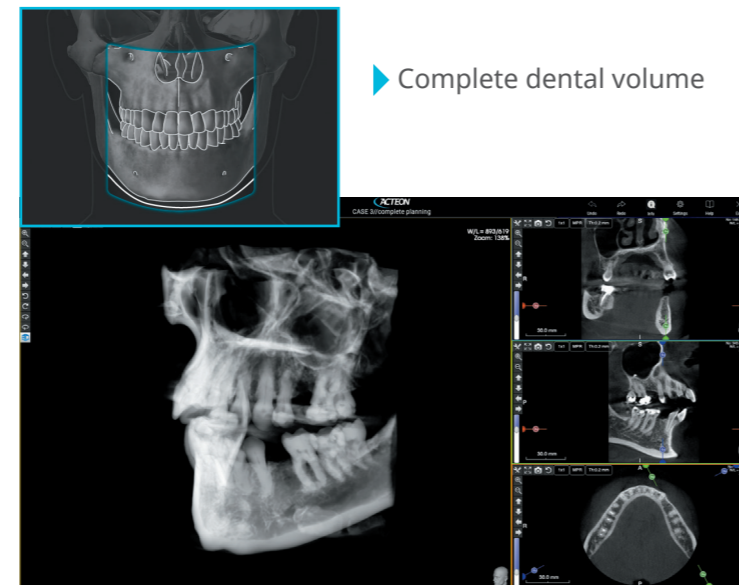
▶ Mandibular volume

Full volume for pathological research



▶ Frontal maxillary

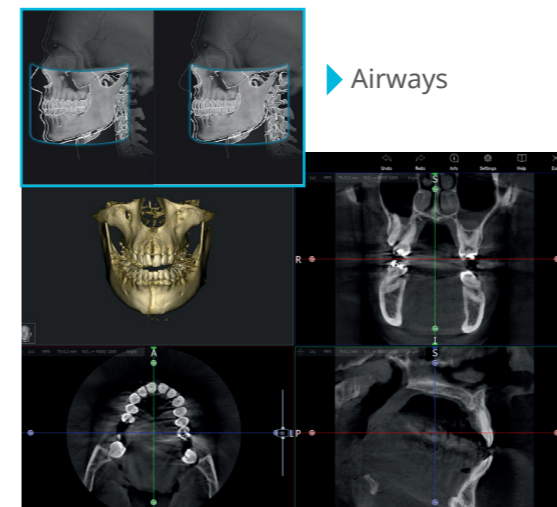
Sinuses caused by multiple dental infections



▶ Complete dental volume

Full volume for implant planning

IMPROVE THE POTENTIAL WITH THE ADDITIONAL 12X10 FOV



▶ Airways

Enabling the option 12x10 will unlock two additional 3D acquisition modes :

▶ **Extended dentition:** A comprehensive view of the dental area, including full maxillary and mandibular arches and ascending rami will be displayed on a single scan

▶ **Airways:** the extended acquisition volume is centered backward for an optimal coverage of the airways and TMJ, specifically intended for orthodontics and ENT applications.

SEVERAL FOV FOR MANY APPLICATIONS

- ▶ Full dentition
- ▶ Single jaw (maxillary / mandibular)
- ▶ Maxillary teeth (right molars/right premolars/incisor/left Molars/left premolars)
- ▶ Extended volume
- ▶ Mandibular teeth (right molars/right premolars/incisor/ Left molars/left premolars)
- ▶ TMJ (right/left)
- ▶ Sinus

SCAN 3D OBJECTS

X-Mind® prime's dedicated holder allows scans of 3D models in various materials and designs (impressions, stone models, appliances, etc.). Easily export data in STL format!



RELY ON A COMPLETE SET OF PANORAMIC EXAMS

X-Mind® prime offers a full set of panoramic exams appropriate for all your clinical applications.

It provides all the panoramic exams requested for general dentistry: dental panoramic, temporomandibular joints, sinuses.



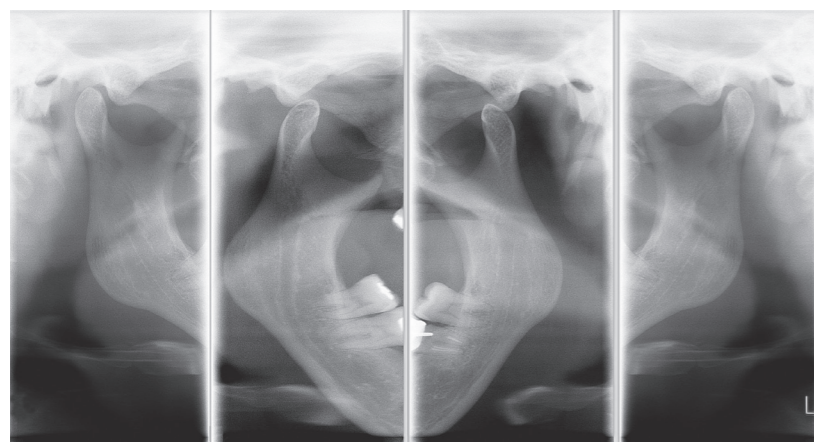
DENTAL PANORAMIC

Complete overview of the mandible and maxilla, maxillary sinuses, temporomandibular joints and supporting structures.



MAXILLARY SINUSES

Raised image in order to increase the visibility of the sinus and the apex of the upper teeth.



TEMPOROMANDIBULAR JOINT

Examination can be carried out with the mouth either open or closed.

MULTIPLE ADULT AND CHILD PANORAMIC

- ▶ Panoramic
 - Standard
 - Half Panoramic (right/left)
 - Frontal Dentition
 - Low Dose
 - Ortho Rad
- ▶ Bitewing
 - Single (right/left)
 - Bilateral
- ▶ Sinus
- ▶ TMJ
 - Standard
 - Single phase

Other specific programs are available such as half-panoramic, improved orthogonal panoramic, detailed frontal dentition, low-dose panoramic and bitewing.



CHILD PANORAMIC

Protect your patient by reducing the exposed area and time.



HALF-PANORAMIC

Left & Right

Reduced the exposed area and focus on the region of interest.



BITEWING

Left & Right

Single or bilateral bitewing views.



FRONTAL

Limit the exposure to the front of the arches.



DISCOVER THE BRAND NEW VERSION WITH CEPHALOMETRIC ARM



COVER ALL
CLINICAL APPLICATIONS
WITH CEPH DIAGNOSIS

CEPHALOMETRIC RADIOGRAPHY

With the new Acteon cephalometric solution entering the X-Mind prime range, you can now extend the fields of application of the device to orthodontic analysis, improving diagnosis and treatment planning.

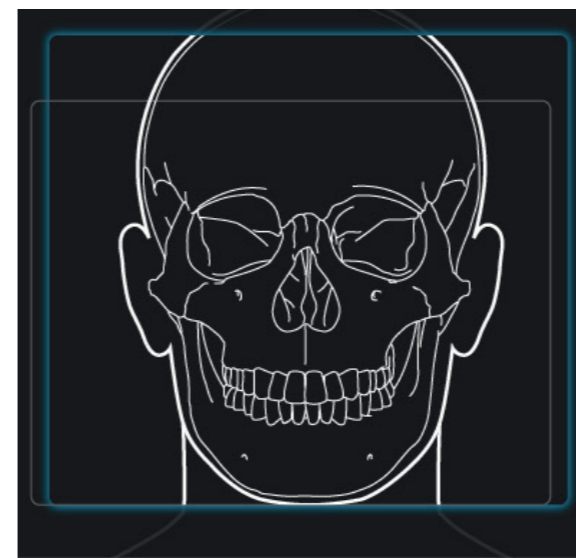
FULL SKULL FRONTAL



CEPH LATERAL



SELECTION MODE SKULL FRONTAL



SELECTION MODE CEPH LATERAL



Its patented collimation system allows multiple image size selections, including new reduced size modes, always ensuring a perfect assessment of the region of interest at the lowest dose.

The head positioner has been designed for optimizing patient's comfort and stability while the innovative reference support, placed on the ear rod, makes it easier for the user to always ensure a perfect centering of the Frankfurt plane.

POSITION EASILY AND EFFICIENTLY YOUR PATIENT

To maximize productivity, X-Mind® prime is specifically designed to reduce the patient preparation time.

SMOOTH PATIENT POSITIONING

Natural face-to-face positioning supported by alignment lasers for correct patient positioning.



Whether sitting or standing at any height, the telescopic columns can be directly adjusted using the control panel.

X-Mind® prime open space configuration suits all types of patients and it is easily accessible for wheelchair users, thanks to its zero footprint space.

SIMPLE CONTROL PANEL

The simplified control panel, smartly located below the chin support, provides a streamlined and precise patient positioning. Simple settings and a quick examination lead to a more productive patient workflow.



Benefit from an error-free patient positioning, thanks to the automated chin rest support recognition.



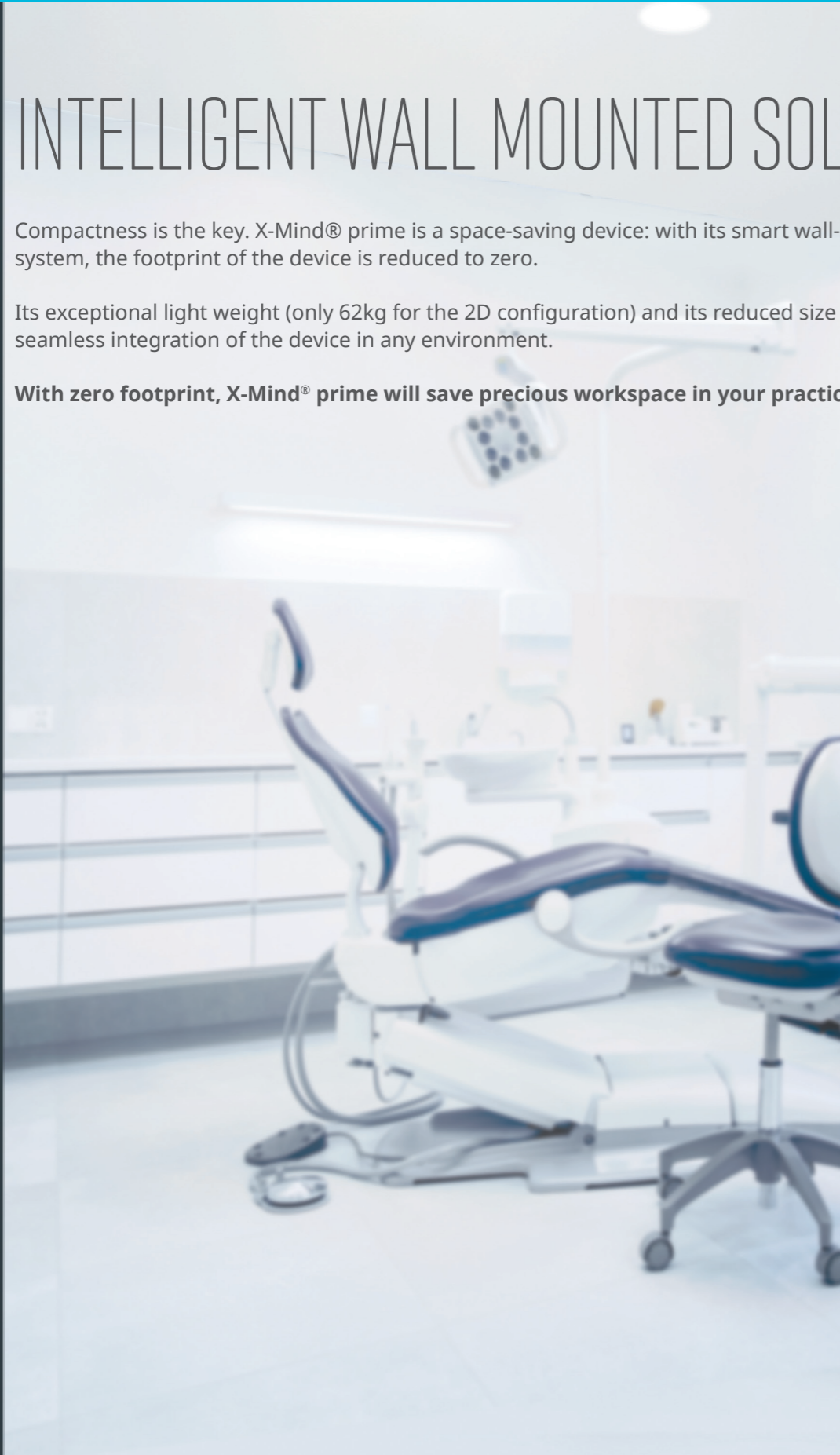
OPTIMIZE THE SPACE WITHIN YOUR PRACTICE

INTELLIGENT WALL MOUNTED SOLUTION

Compactness is the key. X-Mind® prime is a space-saving device: with its smart wall-mounted system, the footprint of the device is reduced to zero.

Its exceptional light weight (only 62kg for the 2D configuration) and its reduced size guarantees a seamless integration of the device in any environment.

With zero footprint, X-Mind® prime will save precious workspace in your practice.



ACCOMPLISH YOUR DIAGNOSES IN RECORD TIME

OPTIMIZE YOUR ANALYSIS
TIME WITH
THE POWERFUL, INTUITIVE
AND HIGH-PRECISION SOFTWARE



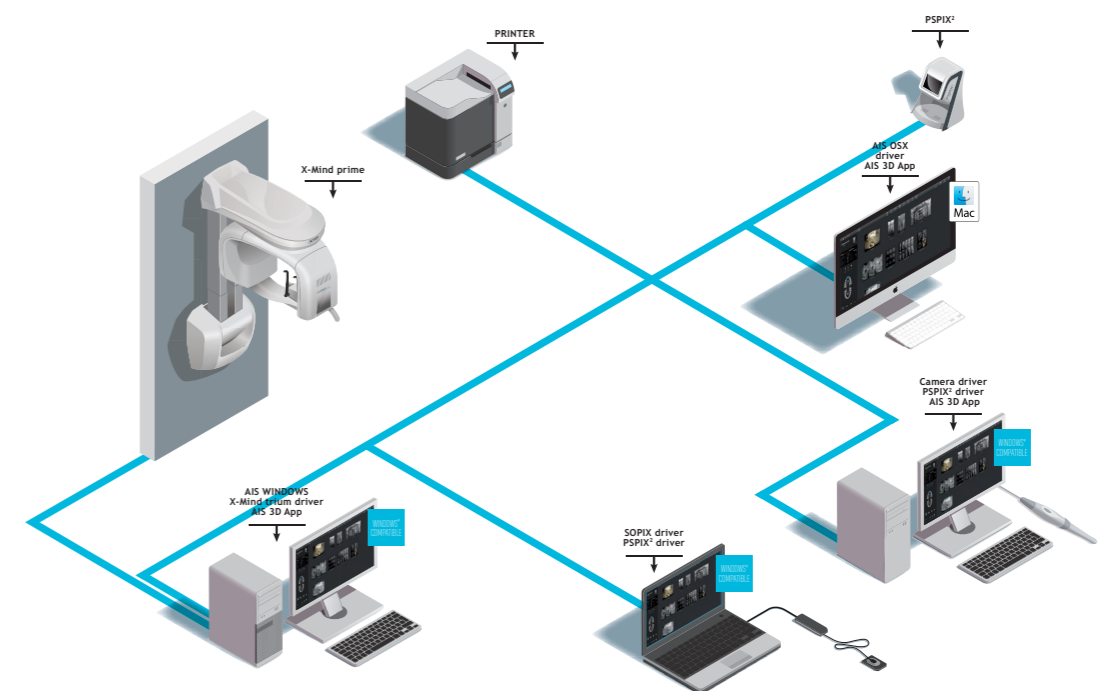
- ▶ Superior design
- ▶ Clean lines
- ▶ User-friendly
- ▶ Open architecture
- ▶ Full integration
- ▶ Advanced functionalities

ADVANCED FUNCTIONALITY FOR INTUITIVE NAVIGATION

The ACTEON® Imaging Suite software offers intuitive navigation and advanced functionality.

AIS allows an easy management of your patient's exams and a direct control of all the Acteon imaging devices

- ▶ Implant planning
- ▶ Crown placement
- ▶ Mandibular nerve tracing
- ▶ Easy navigation in different sections
- ▶ Mouse control
- ▶ Surface, distance and angle measurement
- ▶ Substantial and scalable implant library
- ▶ Printed implant report
- ▶ Design surgical guide
- ▶ Sharing of information on a network
- ▶ Cases exported on a CD or USB stick
- ▶ Exported in STL format
- ▶ Metal artifact reduction filter
- ▶ Panoramic and cephalometric image detail optimisation filter
- ▶ ENT module
- ▶ Virtual endoscope
- ▶ Integrates with various patient management software
- ▶ Dicom compatible



AIS is not available with PSPIX®, SOPIX Series and ACTEON intraoral cameras products in the USA and Canada.

SOLUTIONS FOR ANY PRACTICE

CHOOSE THE UNIT THAT WILL FIT YOUR CLINICAL NEEDS

- ▶ X-Mind® prime pan: Panoramic solution
- ▶ X-Mind® prime pan 3D: CBCT solution, providing both panoramic and 3D exams
- ▶ X-Mind® prime pan CEPH and X-Mind® prime pan 3D CEPH: Coming soon



X-Mind® prime Pan

X-Mind® prime Pan 3D

Pan	●	●
3D	○	●

Also available in standing mount.

● : available option

SOON: A NEW CEPHALOMETRIC MODE FOR X-MIND PRIME 2D & 3D



ACTEON SERVICE & YOU

"Clinical trainers" are available to show you the clinical aspects and patient benefits of ACTEON® products and train you on how to use them.

Free, ongoing and unlimited service can be reached Monday to Friday, from 09:00 to 18:00.

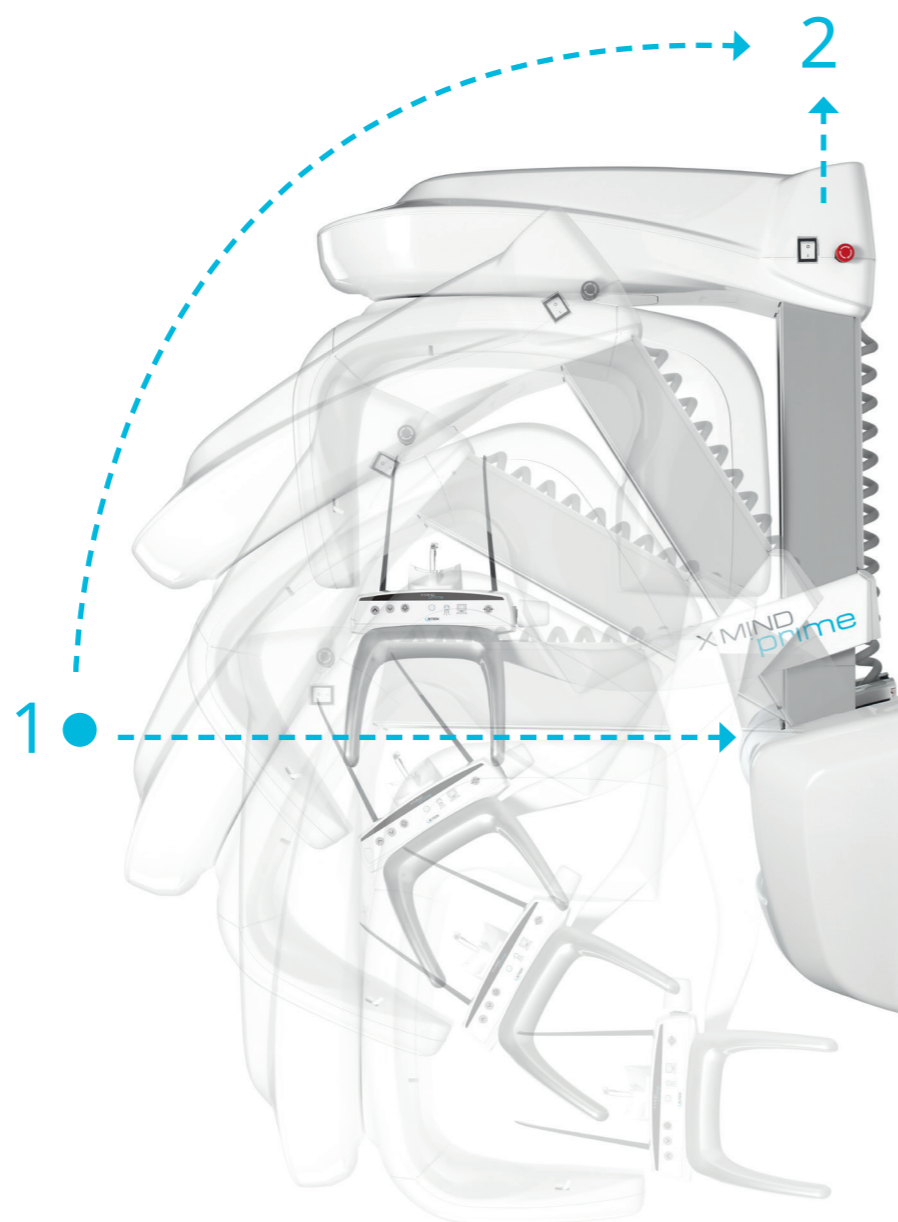
ACTEON® can also analyse and troubleshoot remotely, and specialist technicians can provide on-site service as quickly as possible.

UNMATCHED SPEED OF INSTALLATION

X-Mind® prime is ready to install! Delivered completely assembled at your practice, you are all set-up at once.

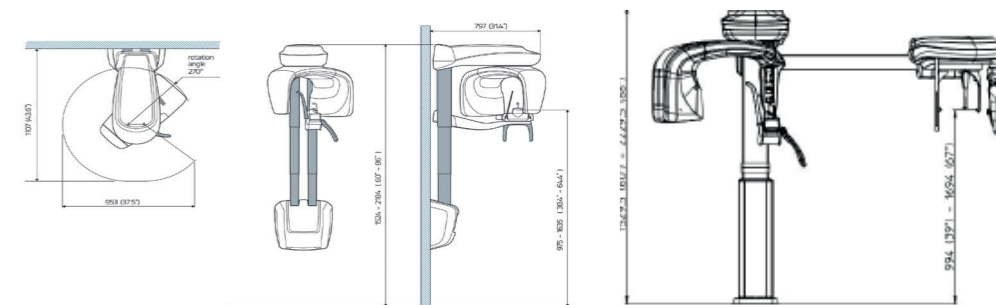
As simple as one box, one technician, two steps and that's it!

It does not interrupt the daily work and operations of the office, helping you to save time.



TECHNICAL SPECIFICATIONS

X MIND prime



	X-Mind® prime 2D	X-Mind® prime 3D	Cephalometric device: Coming soon
X-RAY SOURCES			
Tube type	D-058 (Toshiba)	OPX 105-12 (CEI)	Skantry / CEI OPX 105-12
Total filtration	2.0 mm Al eq. @ 70kVp	≥ 2.5 mm Al eq. @ 86 kVp	≥ 2.5 mm Al eq. @ 86 kVp
Tube voltage	60 - 70 kV	60 - 86 kV	60-86 kv
Anodic current	2-7.1 mA	2-12.5 mA	2-12.5 mA
Focal spot	0.5 mm	0.5 mm	0.5 mm (EN 60336)
SENSOR			
Type	CCD	CMOS Flat panel	CMOS Flat Panel detector with CsI scintillator
Voxel size	n.a.	Minimum 87.5 µm	na
Pixel size	96 µm (binning 2x2)	120 µm (binning 2x2) 240 µm (binning 3x3)	99 µm (binning 1x1) 198 µm (binning 2x2)
ACQUISITION			
PAN Programs	Panoramic (adult/child) - TMJ open/closed mouth in lateral projection - Maxillary sinuses (P-A) - Half panoramic (left/right) - Low dose panoramic - Frontal dentition - Ortho Rad Panoramic - Bitewing (left/right/double)		Skull Latero-Lateral (24 x 18 cm - 18x18 cm) Skull Latero-Lateral, with full view of the nape (24 x 24 cm - 18x24 cm) Skull mainly Latero-Lateral (24 x 30 cm - 18x30 cm) Skull Antero/Posterior or Postero/Anterior (24 x 24 cm - 18x24 cm) Hand/wrist examination (24 x 18 cm)
3D programs	n.a.	Full dentition (85 x 93 mm)* - Single jaw (85 x 50 mm)* - Mandibular teeth (50 x 50 mm) - Maxillary teeth (50 x 50 mm) - TMJ (85 x 93 mm)* - Sinus (85 x 93 mm)* - Extended volume(120x100 mm)*	
Exposure time	up to 14,4 s.	from 16 s. (full dentition)	from 4.5 s (HS mode)
Grey levels	4096 - 12 bits	65536 - 16 bits	16384 (14 bit)
MECHANICAL DATAS			
Footprint	1107 x 953 mm	1107 x 953 mm	1205 x 1851 mm
Height	Max 2190 mm	Max 2190 mm	Max 2230 mm
Weight	Max 62 kgs	Max 67 kgs	Max 125 Kgs

* Not available in Canada, where these volumes are limited to 80 x 80 mm or 80 x 50 mm.

	WORKSTATION MINIMUM REQUIREMENTS		
	PAN/CEPH WINDOWS (WORKSTATION)	CLIENT WINDOWS	CLIENT MAC OS
Processor	Intel® Core i5	Intel i5	Intel® Core i5
Hard Disk	1TB 7200 rpm	300 GB	300 GB
RAM	8 GB	4 GB or 8 GB (for big FOV DICOM stacks)	4 GB or 8 GB (for big FOV DICOM stacks)
Graphics card	OPEN GL 2.1 compatible (suggested an NVIDIA GT/GTX)	Nvidia Geforce or Nvidia Quadro with 1 GB dedicated RAM	Nvidia Geforce or Nvidia Quadro with 1 GB dedicated RAM
Screen resolution	1600 x 1024	1600 x 1024	1600 x 1024
Network card	INTEL CT 1000 pro	100 Mb for PAN/CEPH 1 Gb for CBCT	100 Mb for PAN/CEPH 1 Gb for CBCT
Operating system	Windows 7 Professional 64 bits	Windows 7 64 bits	OS X Sierra (10.12)



NOTE

X MIND
prime
