

www.acteongroup.com

Non contractual document - Ref. 707210A - 02/2019 - Copyright © 2019 ACTEON. All rights reserved. No information or any part of this document may be reproduced or transmitted in any form without the prior permission of ACTEON.

RCS Paris 8337934483 - 0185196



IT'S TIME FOR EFFICIENT 3D DIAGNOSIS

X MIND **prime**



DE GOTZEN | A company of ACTEON Group
Via Roma 45 | 21057 Olgiate Olona VA | ITALY
Phone + 39 0331 376760 | Fax + 39 0331 376763
Email: info@acteongroup.com | www.acteongroup.com



EN



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.

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

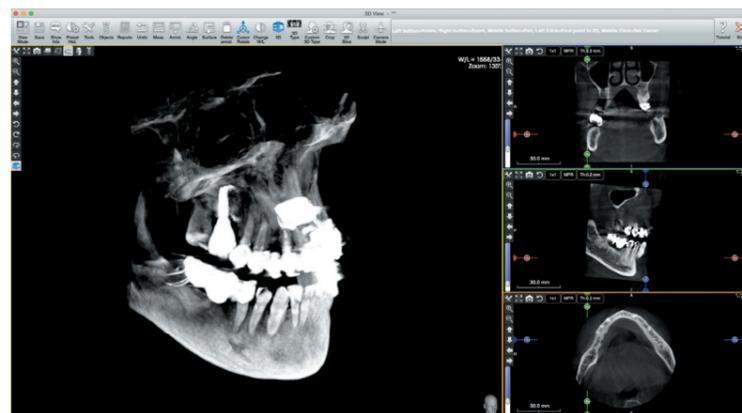
IMPLANTOLOGY CLINICAL CASE

FROM DIAGNOSIS TO TREATMENT, REMOVE THE GUESSWORK



1 INITIAL SITUATION

Reconstructed panoramic
Complete analysis, no molar present in the third quadrant (lower left). The remaining molar (47-fourth quadrant, lower right) has to be extracted and the bridge has to be removed. Modification of the crown present on 45.



2 IMPLANT PLANNING

Full dental volume
Virtually add two implants on 36 and 37 to place molar on the third quadrant. Extraction of 47 and the crown (fourth quadrant) by two implants on 46, 47.



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 clinical applications
- ▶ Plan your treatment
- ▶ Efficiently communicate with your patient

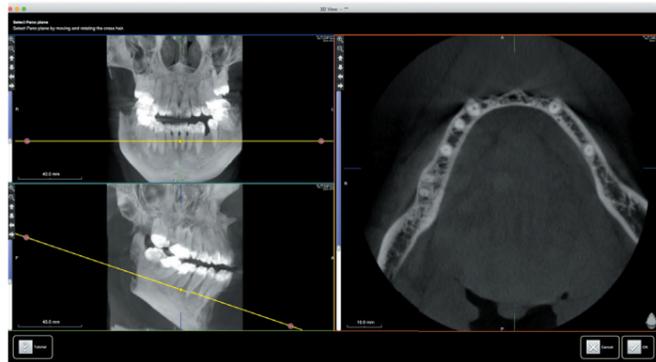


EASILY PLAN YOUR TREATMENT WITH A DIGITAL WORKFLOW

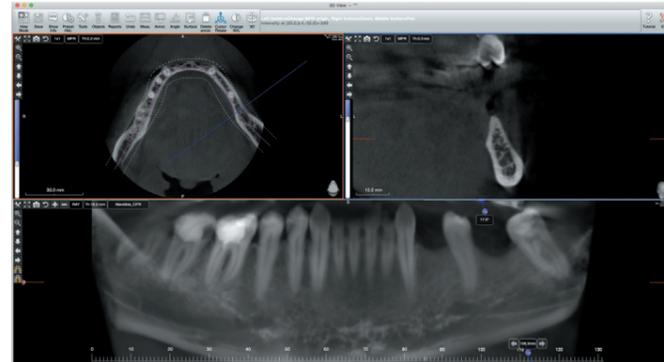
IMPLANT PLANNING MADE EASY

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

- ▶ Draw a panoramic curve

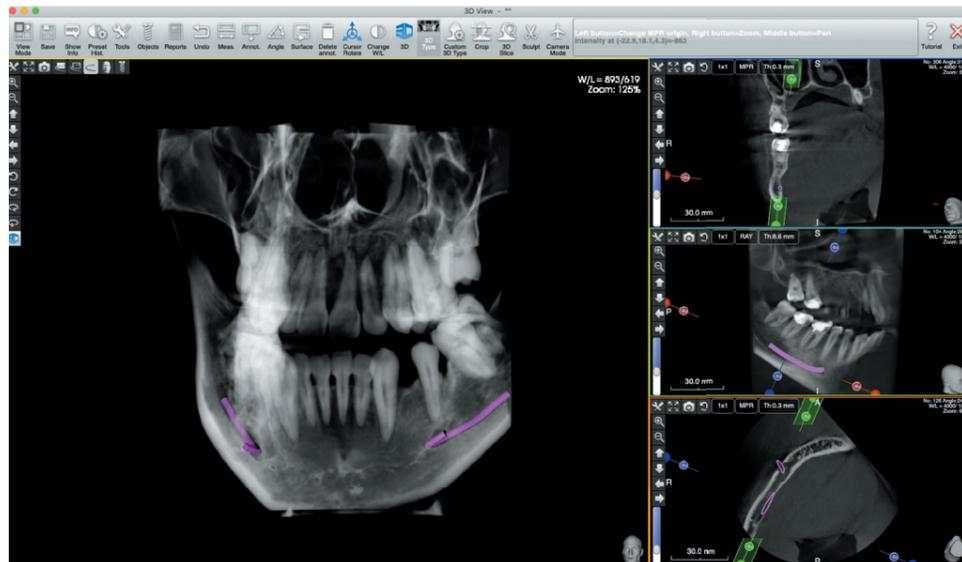


Dental panoramic wizard



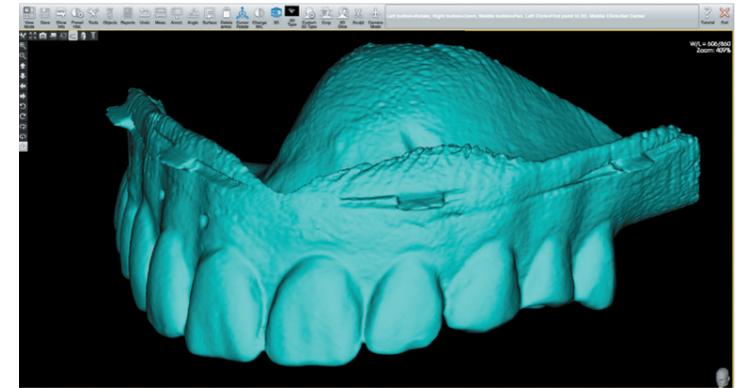
Reconstructed panoramic view

- ▶ Trace the mandibular canal and measure the distance between the upper canal boundary and the upper mandibular crestal bone



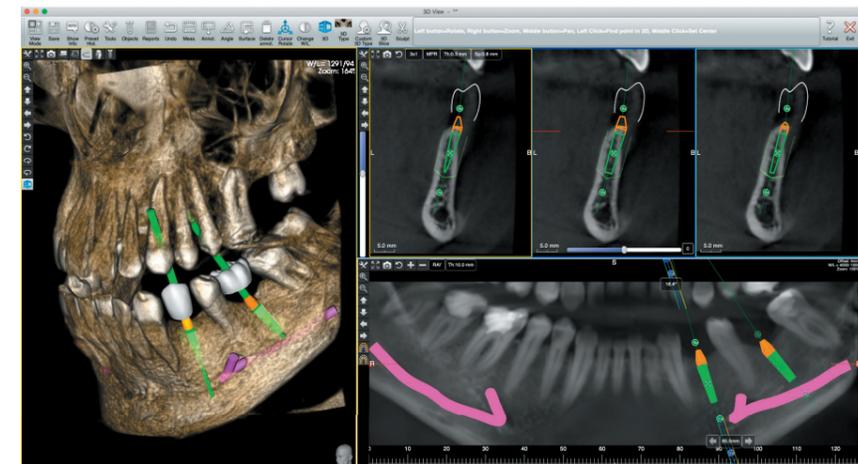
Localization of the implant and the mandibular canal

- ▶ 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.



Appliance surface generation

- ▶ Select the right implant from a large library



Place your implants

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

ACTEON

PATIENT INFORMATION

Name: Implant 04 and 06
Date of birth: 20/03/1974
Clinician: Dr Pratičan
Drug Therapy:

General health status:

EXAM INFORMATION

Exam Code: Implant 04 and 06
Exam Date: 20/03/2019 15:48:15
Last modified: 03/05/2019

PLANNING INFORMATION

Implants type: 2
Bone density: 120
Type of guide: Mucosa soft tissue supported
Type of feature: Feature 04
Planned surgery: No
Add Stone Craft: No
Add Head Craft: No

Frontal view Occlusal view Left view Right view

Page 16

ACTEON

PLANNING OVERVIEW

Notes:

| Implant | Manufacturer | Model | Size | Abutment | Abutment size | Stem | Custom settings |
|---------|--------------|-------|---------------------|----------|---------------------|---------------------|-----------------|
| 04 | - | - | 40.00 mm x 12.00 mm | - | H/2 CH2.8 Angle 12° | 0_30M PneuGUIDE CAD | No settings |
| 06 | - | - | 40.00 mm x 8.00 mm | - | H/2 CH2.8 Angle 12° | 0_30M PneuGUIDE CAD | No settings |

Page 26

Implant report

DIAGNOSE WITH THE HIGHEST QUALITY 2D & 3D IMAGES

LARGE DIVERSITY OF APPLICATIONS

X-Mind® prime provides many applications dedicated 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



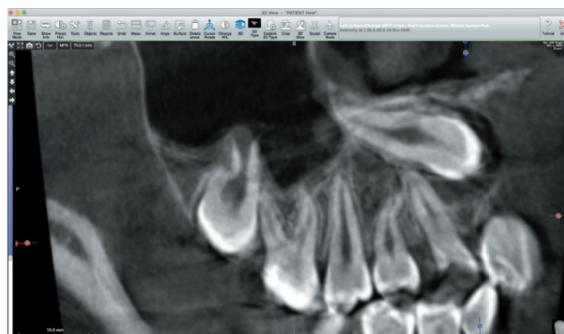
Cyst on fourth quadrant (lower right), with bone destruction

- ▶ 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

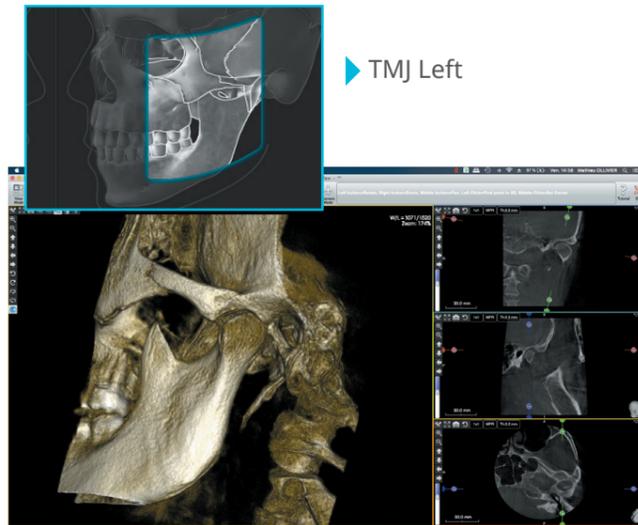
With a minimum voxel size of 87,5 μm , you will get detailed three-dimensional reconstructions, able to highlight the smallest anatomical elements.

87.5 μm
Voxel size

STEP INTO 3D IMAGING AND EXPAND YOUR CLINICAL APPLICATIONS

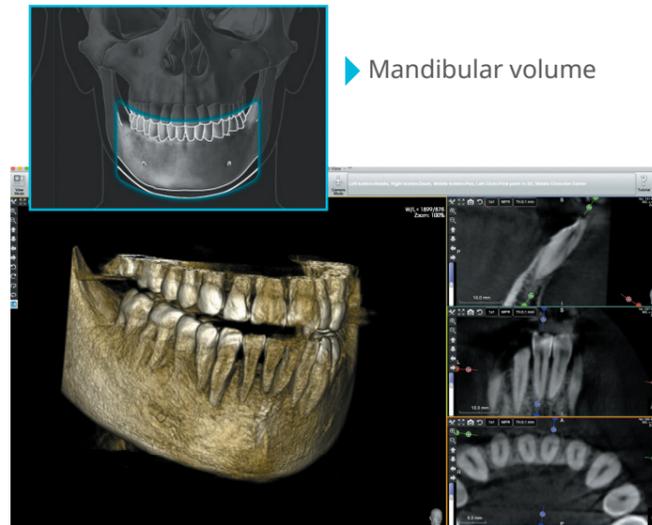
EFFICIENT 3D SOLUTION WITHIN EVERYONE'S REACH

X-Mind® prime 3D offers a multitude of acquisition programs thanks to its multiple FOV (from 50x50 to 85x93). Once you select the region of interest of the examination, the settings and dose are automatically adjusted.



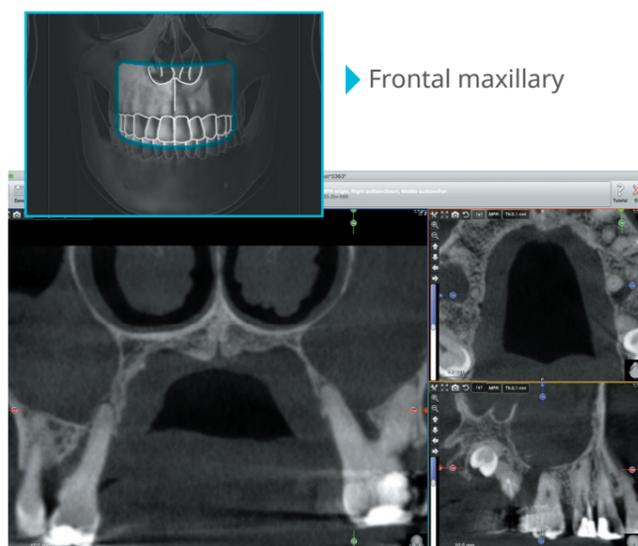
▶ TMJ Left

TMJ analysis



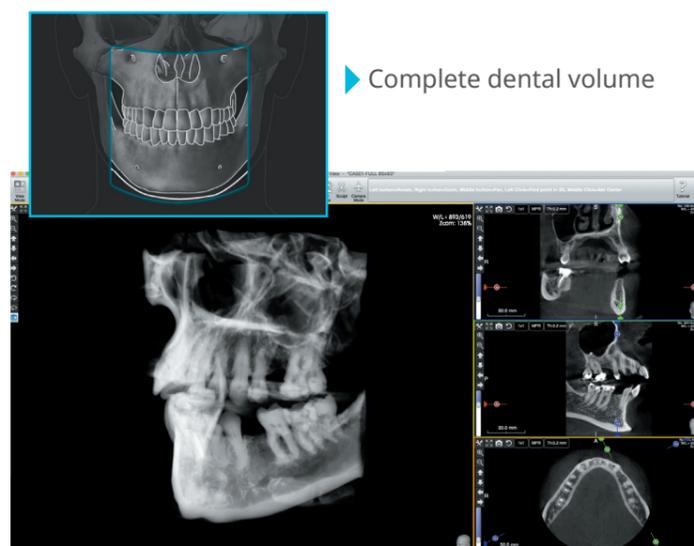
▶ Mandibular volume

Full volume for pathological research



▶ Frontal maxillary

Sinuses caused by multiple dental infections



▶ Complete dental volume

Full volume for implant planning

SEVERAL FOV FOR MANY APPLICATIONS

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

SCAN 3D OBJECTS

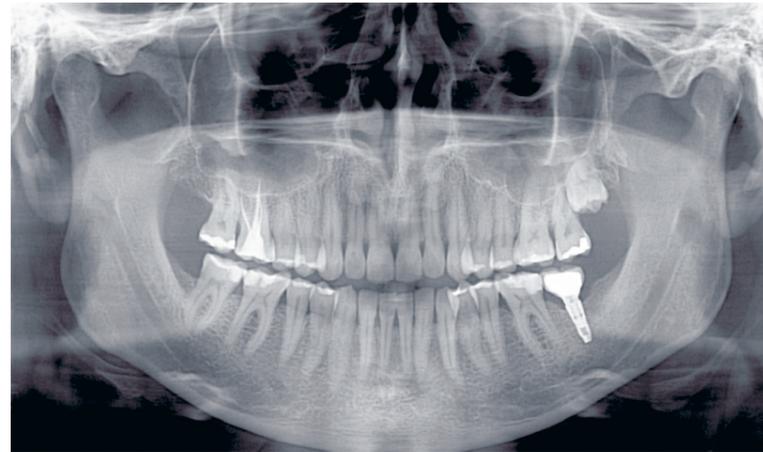
X-Mind® prime's dedicated holder allows for scans of 3D models in various materials and designs (impressions, stone models, appliances, etc.). Easily export data in STL format!



RELY ON A COMPLETE SET OF PANORAMIC EXAMS

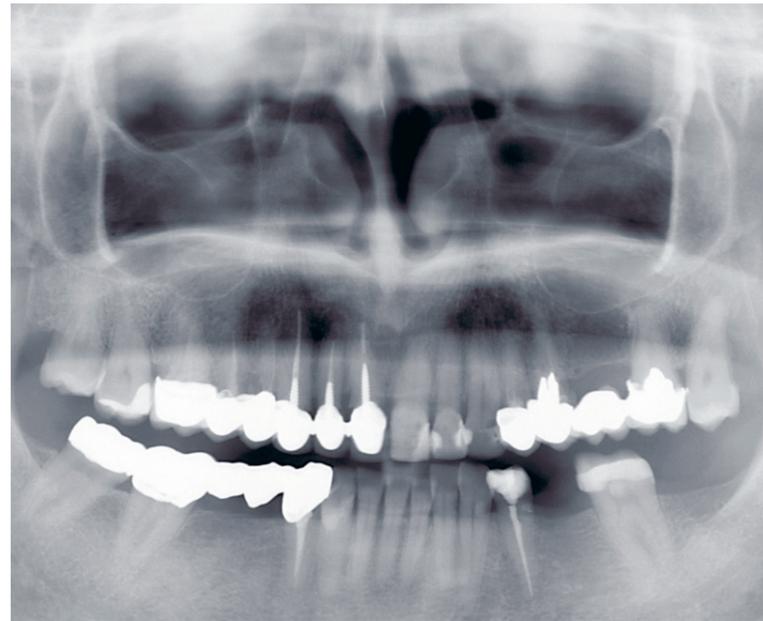
X-Mind® prime offers a full set of panoramic exams tailored to meet all your clinical applications.

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



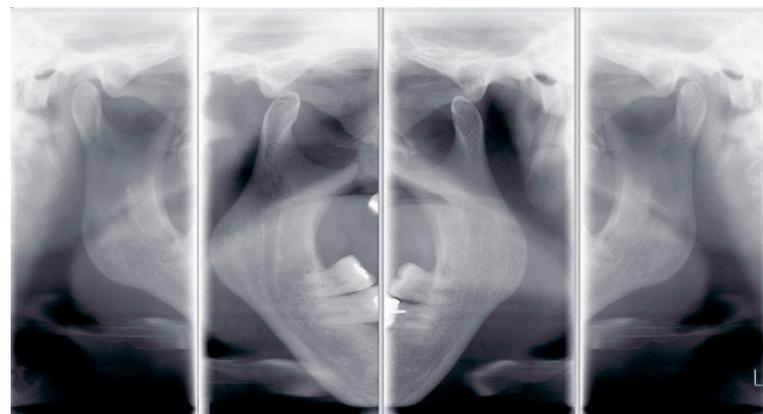
DENTAL PANORAMIC

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 apices 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.



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 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.



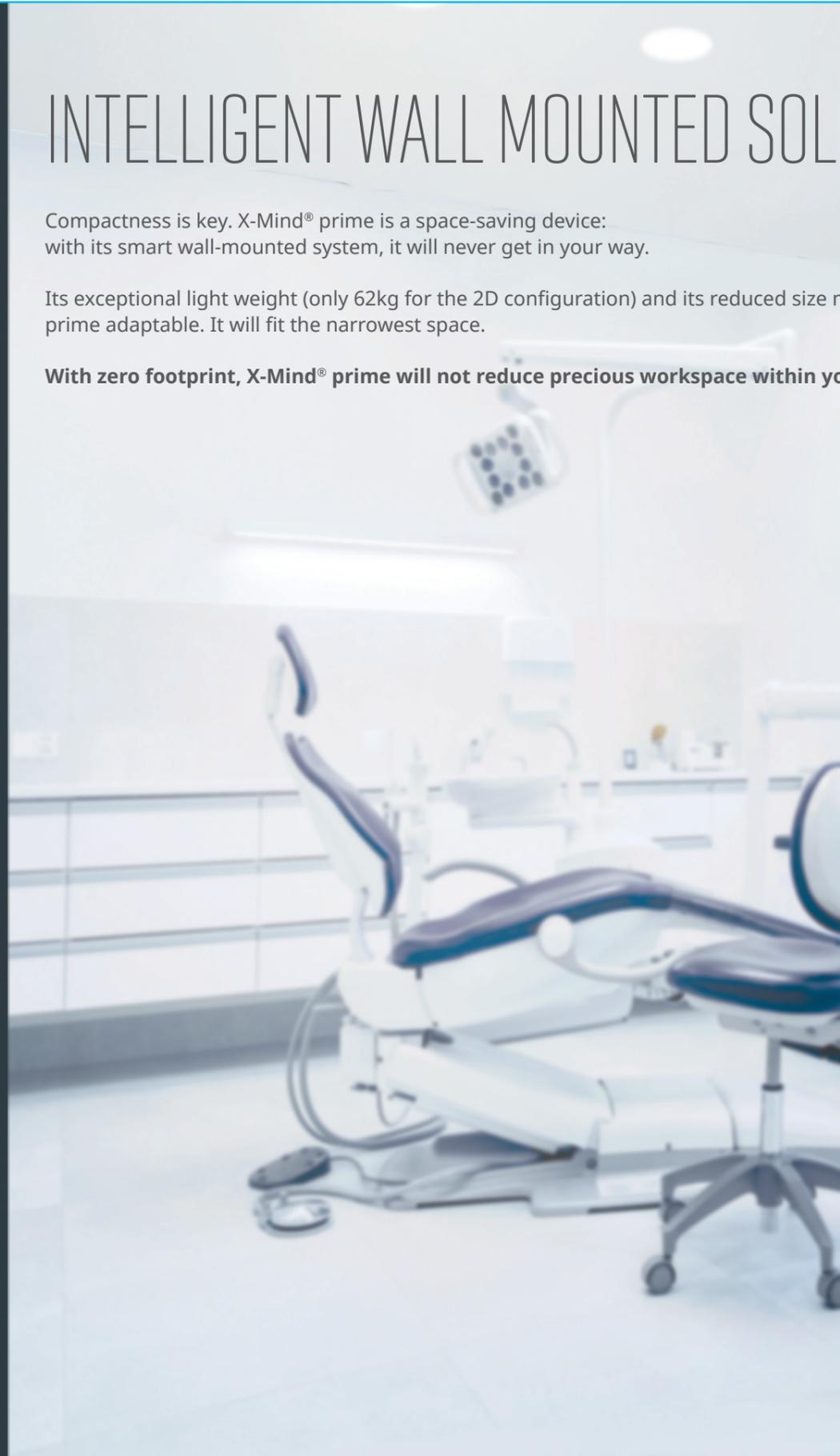
OPTIMIZE THE SPACE WITHIN YOUR PRACTICE

INTELLIGENT WALL MOUNTED SOLUTION

Compactness is key. X-Mind® prime is a space-saving device: with its smart wall-mounted system, it will never get in your way.

Its exceptional light weight (only 62kg for the 2D configuration) and its reduced size makes X-Mind® prime adaptable. It will fit the narrowest space.

With zero footprint, X-Mind® prime will not reduce precious workspace within your practice.



EXCEL IN YOUR ANALYSIS IN RECORD TIME

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

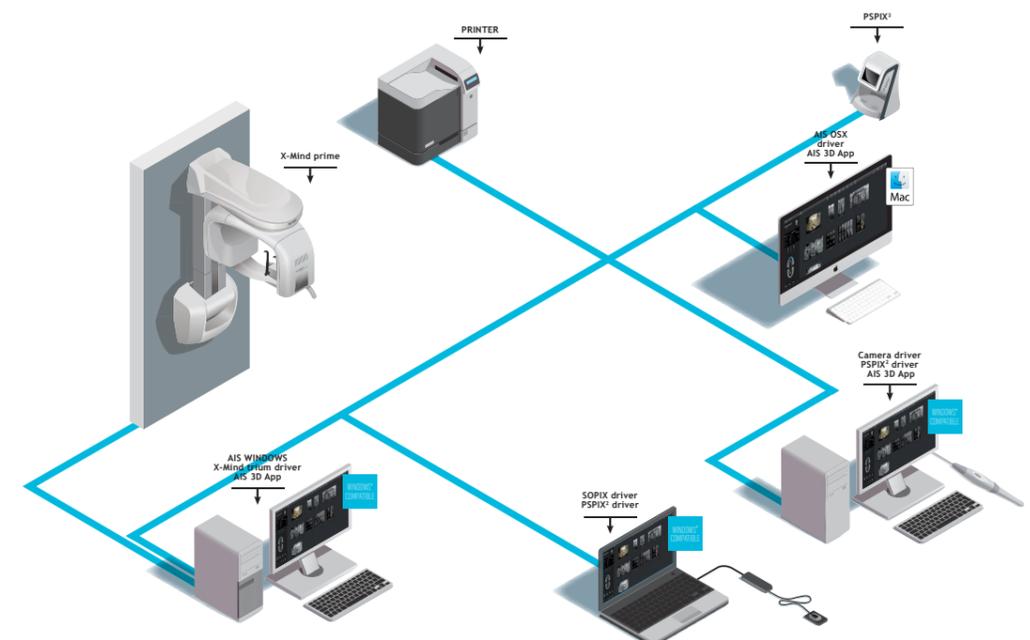


- ▶ Superior design
- ▶ Clean lines
- ▶ User-friendly
- ▶ Open architecture
- ▶ Full integration
- ▶ Advanced functionalities

ADVANCED FUNCTIONALITY FOR INTUITIVE NAVIGATION

The ACTEON® Imaging Suite software offers intuitive navigation and advanced functionality. It alone lets you manage all of your images, from scanning to viewing images from all ACTEON® imaging devices (CBCT, Panoramic, intraoral digital X-ray system, intraoral camera, etc.) and much more.

- ▶ 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
- ▶ 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

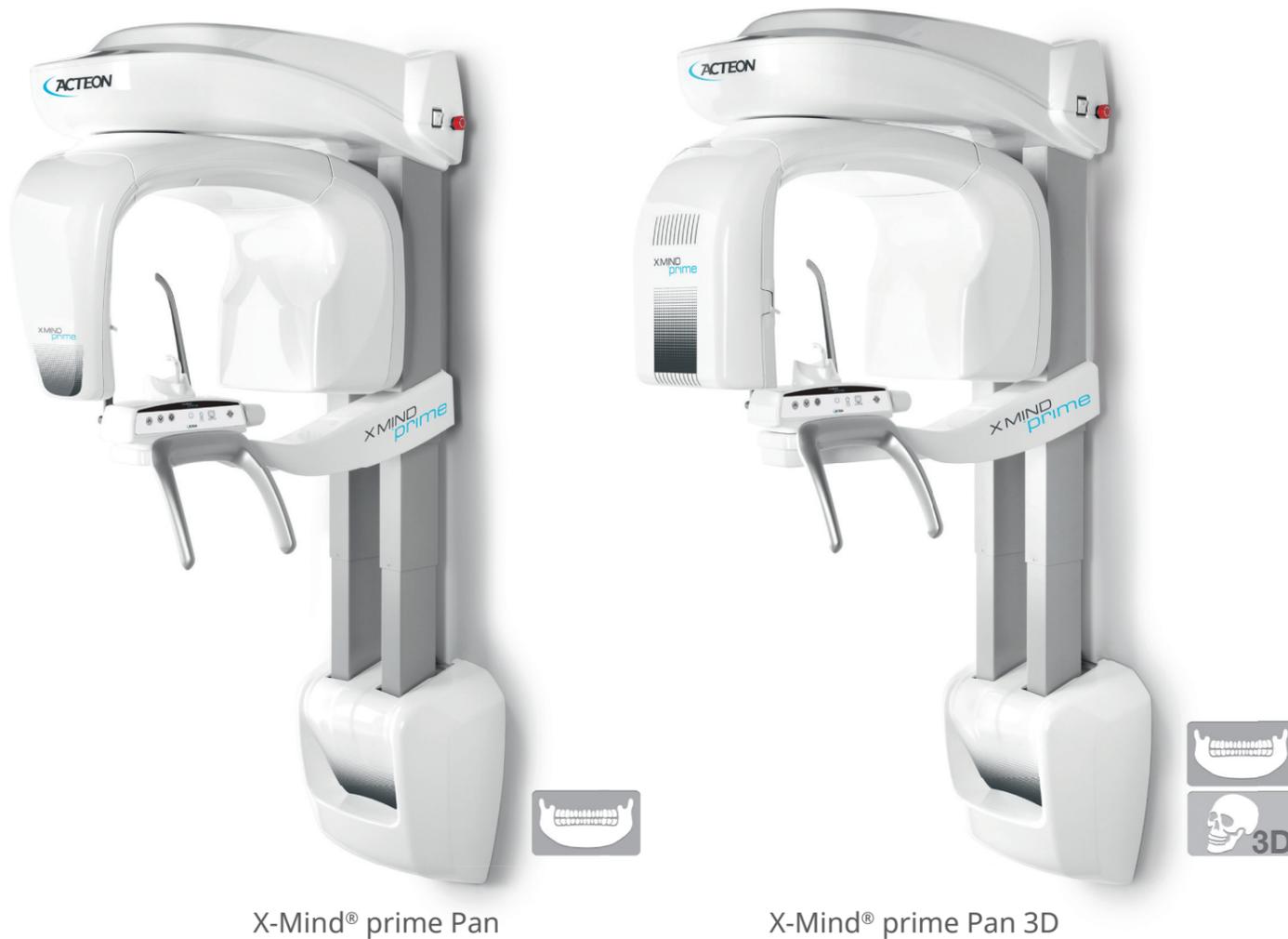


AIS is not available with PSPIX®, SOPIX Series and ACTEON intraoral cameras products in the USA and Canada.

SOLUTIONS FOR ANY PRACTICE

CHOOSE THE UNIT THAT WILL FIT YOUR CLINICAL NEEDS

- ▶ X-Mind® prime pan: Panoramic solution only
- ▶ X-Mind® prime pan 3D: CBCT solution providing both panoramic and 3D exams



| | | |
|-----|---|---|
| Pan | ● | ● |
| 3D | ○ | ● |

Also available in standing mount.

● : available option

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.

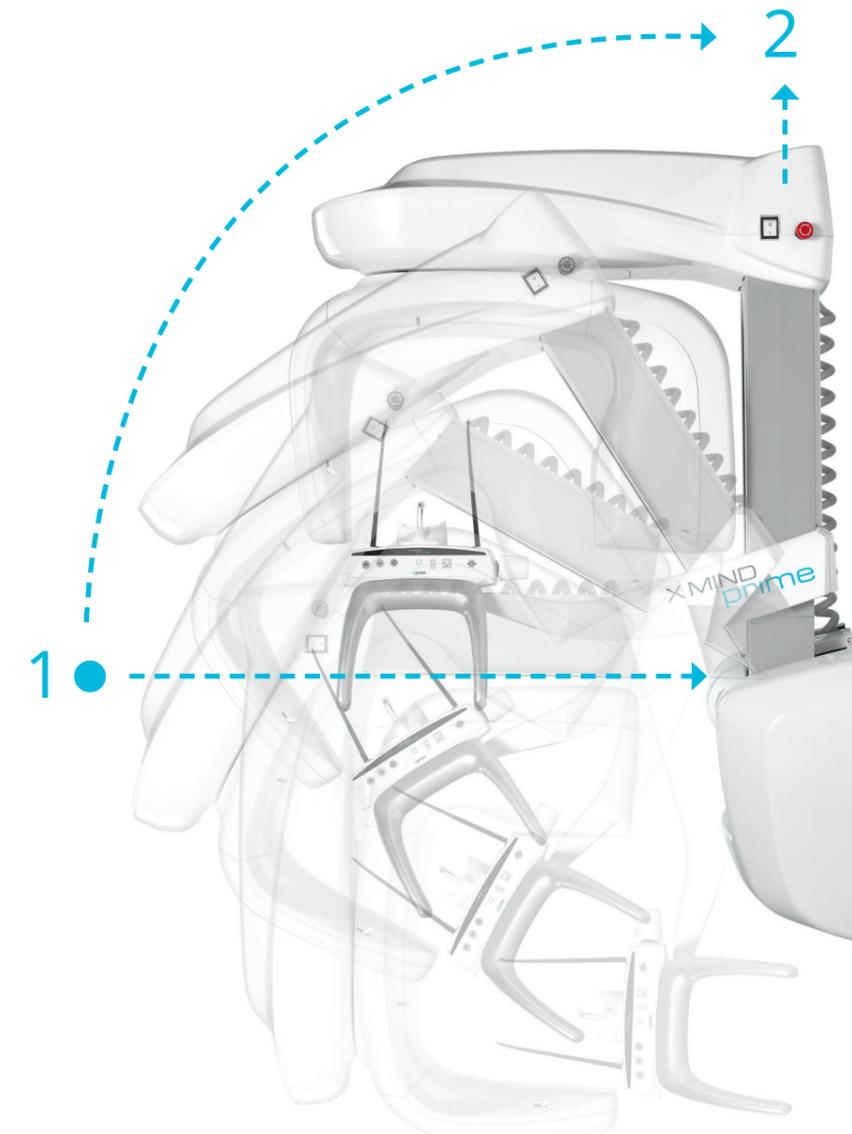
ACTEON® can also analyse and troubleshoot remotely, and specialist technicians can provide on-site service as quickly as possible.

UNMATCHED SPEED OF INSTALLATION

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

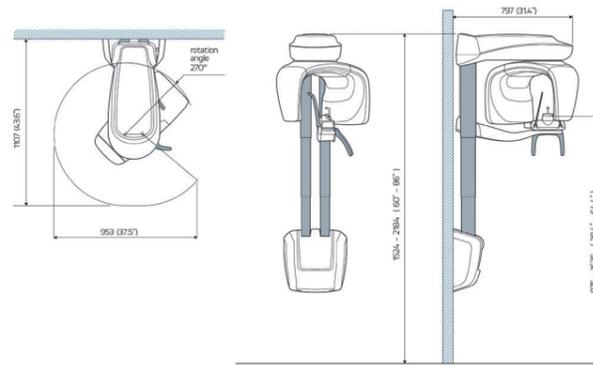
As simple as one box, one technician, two steps and that's it!

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 |
|-------------------------|---|--|
| X-RAY SOURCES | | |
| Tube type | D-058 (Toshiba) | OPX 105-12 (CEI) |
| Total filtration | 2.0 mm Al eq. @ 70kVp | ≥ 2.5 mm Al eq. @ 86 kVp |
| Tube voltage | 60 - 70 kV | 60 - 86 kV |
| Anodic current | 2-7.1 mA | 2-12.5 mA |
| Focal spot | 0.5 mm | 0.5 mm |
| SENSOR | | |
| Type | CCD | CMOS Flat panel |
| Pixel size | 48 µm | 120 µm |
| Voxel size | n.a. | Minimum 87.5 µm |
| 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) | |
| 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)* |
| Exposure time | 14,4 s. | 7 s. (full dentition) |
| Grey levels | 4096 - 12 bits | 65536 - 16 bits |
| MECHANICAL DATAS | | |
| Footprint | 1107 x 953 mm | 1107 x 953 mm |
| Height | Max 2190 mm | Max 2190 mm |
| Weight | Max 62 kgs | Max 67 kgs |
| IEC | | |
| Class & Type | Class I with type B applied parts according to IEC 60601-1 classification | |

* 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 i5 | Intel i5 | Quadcore 2.6 GHz |
| 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) |

X-Mind® prime is manufactured by Villa Sistemi Medicali and distributed by ACTEON.

