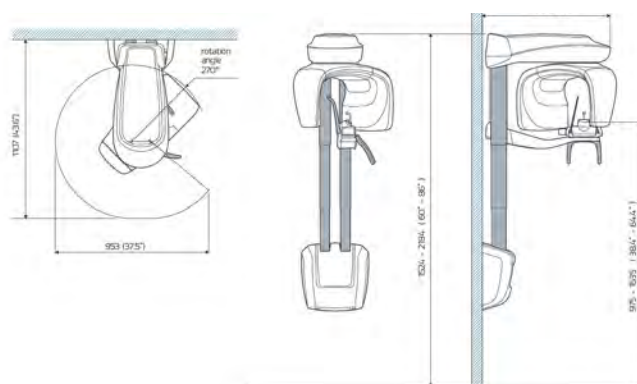


# TECHNICAL SPECIFICATIONS

X MIND  
prime



	X-MIND® Prime 2D	X-MIND® Prime 3D
<b>X-RAY SOURCES</b>		
<b>Tube type</b>	D-058 (Toshiba)	OPX 105-12 (CEI)
<b>Total filtration</b>	2.0 mm Al eq. @ 70kVp	≥ 2.5 mm Al eq. @ 86 kVp
<b>Tube voltage</b>	60 - 70 kV	60 - 86 kV
<b>Anodic current</b>	2-7.1 mA	2-12.5 mA
<b>Focal spot</b>	0.5 mm	0.5 mm
<b>SENSOR</b>		
<b>Type</b>	CCD	CMOS Flat panel
<b>Pixel size</b>	48 µm	120 µm
<b>Voxel size</b>	n.a.	Minimum 87.5 µm
<b>ACQUISITION</b>		
<b>PAN Programs</b>	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)	
<b>3D Fields of view</b>	n.a.	Full dentition (12 x 10cm) - Full dentition (8.5 x 9.3cm)* - Single jaw (8.5 x 5cm)* - Mandibular teeth (5 x 5cm) - Maxillary teeth (5 x 5cm) - TMJ (8.5 x 9.3cm)* - Sinus (8.5 x 9.3cm)*
<b>Exposure time</b>	14.4 s.	7 s. (full dentition)
<b>Grey levels</b>	4096 - 12 bits	65536 - 16 bits
<b>MECHANICAL DATA</b>		
<b>Footprint</b>	43.6" x 37.5"	43.6" x 37.5"
<b>Height</b>	Max 86.2 inches	Max 86.2 inches
<b>Weight</b>	Max 137 lbs	Max 148 lbs
<b>IEC</b>		
<b>Class &amp; Type</b>	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.

	<b>WORKSTATION MINIMUM REQUIREMENTS</b>		
	PAN/CEPH WINDOWS (WORKSTATION)	CLIENT WINDOWS	CLIENT MAC OS
<b>Processor</b>	Intel i5	Intel i5	Quadcore 2.6 GHz
<b>Hard Disk</b>	1TB 7200 rpm	300 GB	300 GB
<b>RAM</b>	8 GB	4 GB or 8 GB (for big FOV DICOM stacks)	4 GB or 8 GB (for big FOV DICOM stacks)
<b>Graphics card</b>	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
<b>Screen resolution</b>	1600 x 1024	1600 x 1024	1600 x 1024
<b>Network card</b>	INTEL CT 1000 pro	100 Mb for PAN/CEPH 1 Gb for CBCT	100 Mb for PAN/CEPH 1 Gb for CBCT
<b>Operating system</b>	Windows 7 Professional 64 bits	Windows 7 64 bits	OS X Sierra (10.12)

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# IT'S TIME FOR EFFICIENT 3D DIAGNOSIS

X MIND  
prime



**ACTEON**



# 3D DIAGNOSIS IS MORE ACCESSIBLE THAN EVER WITH A SMART & 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 a cost effective package.

56

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

1<sub>minute</sub>

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

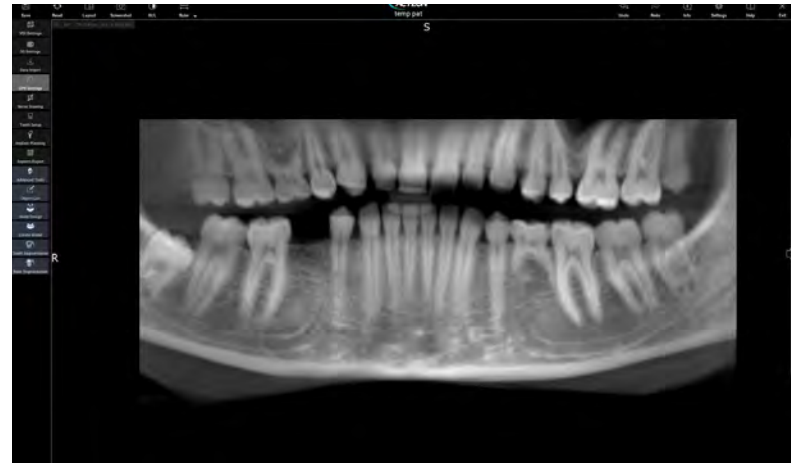




# PROVIDE A COMPREHENSIVE CLINICAL OVERVIEW

## IMPLANTOLOGY CLINICAL CASE

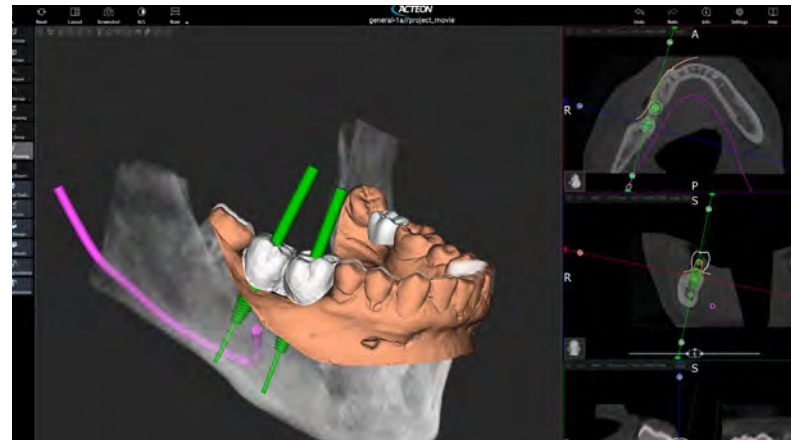
## FROM DIAGNOSIS TO TREATMENT, REMOVE THE GUESSWORK



1

### INITIAL SITUATION

Reconstructed panoramic from the 3D volume



2

### IMPLANT PLANNING

Virtual implant treatment planning



3

### POST PROCEDURE

Patient follow-up with 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





# 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 required 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

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



## BITEWING

Left & Right

Single or bilateral bitewing views.



## FRONTAL

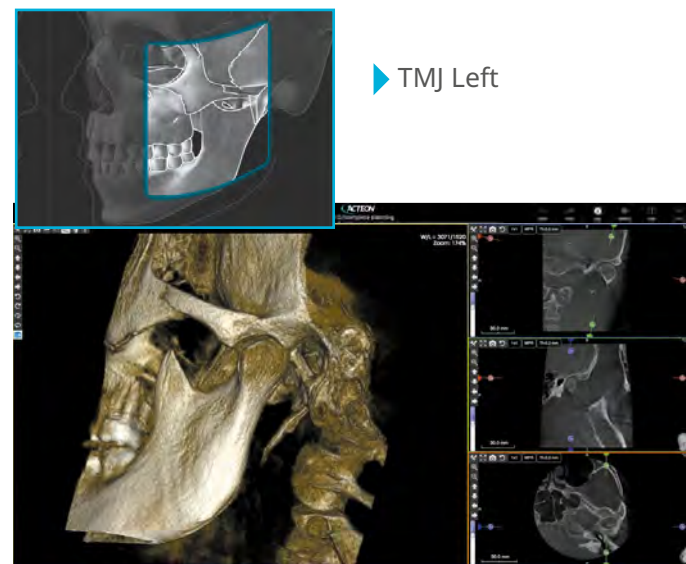
Limit the exposure to the front of the arches.



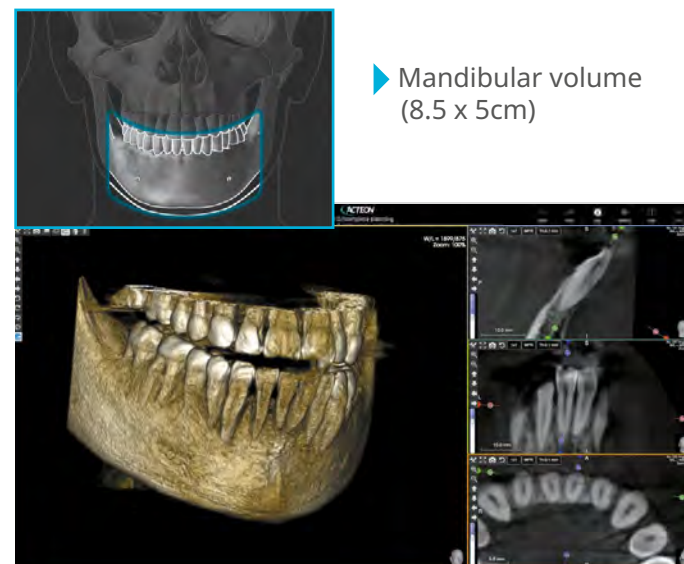
# STEP INTO 3D IMAGING AND EXPAND YOUR CLINICAL APPLICATIONS

## EFFICIENT 3D SOLUTION WITHIN EVERYONE'S REACH

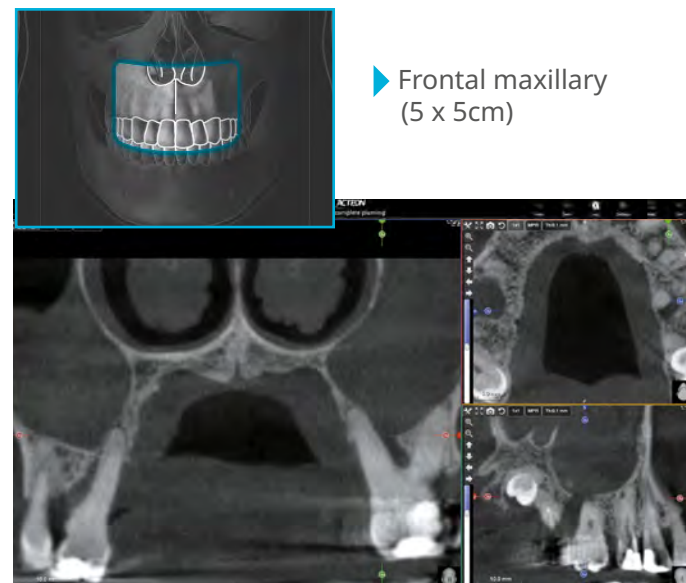
X-MIND® Prime 3D offers a multitude of acquisition programs with multiple FOV (12x10cm, 8.5x9.3cm, 8.5x5cm, and 5x5cm). Once you select the region of interest of the examination, the settings and dose are automatically adjusted.



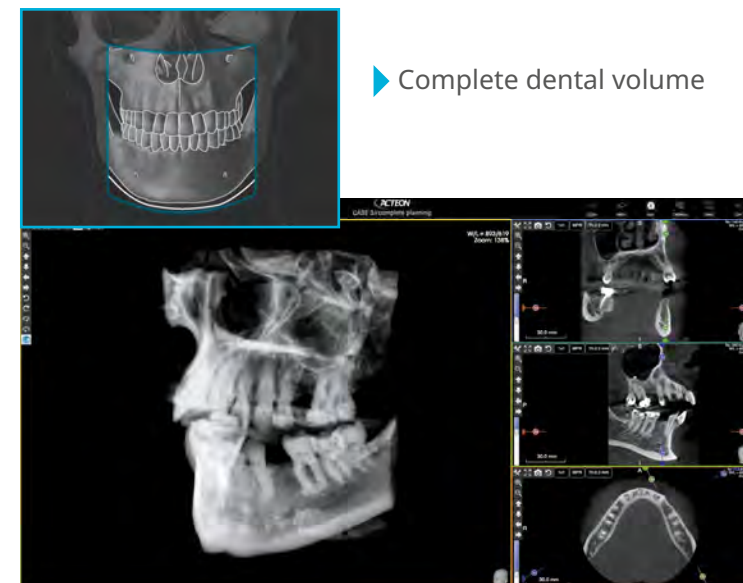
TMJ analysis - 8.5x9.3cm



Full volume for pathological research - 8.5x5cm

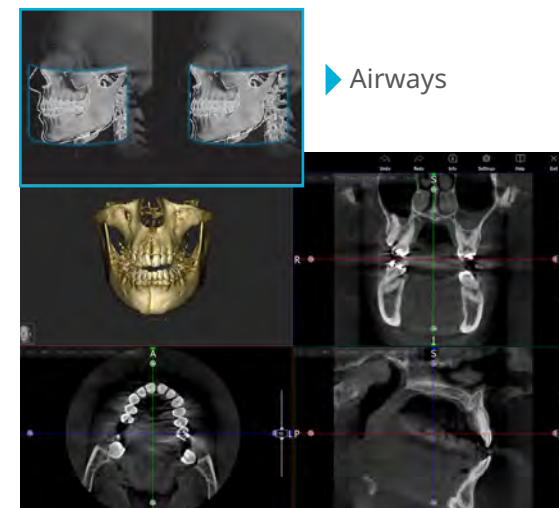


Sinuses caused by multiple dental infections - 5x5cm



Full volume for implant planning

## IMPROVE YOUR POTENTIAL WITH THE ADDITIONAL 12X10 FOV



Enabling the 12x10 FOV unlocks two additional 3D acquisition modes:

- ▶ **Extended dentition:** A comprehensive view of the dental area, including full maxillary and mandibular arches and ascending rami on a single scan
- ▶ **Airways:** the extended acquisition volume is centered backward for an optimal coverage of the airways and TMJ, specifically intended for orthodontic 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

## OBJECTS SCAN

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!



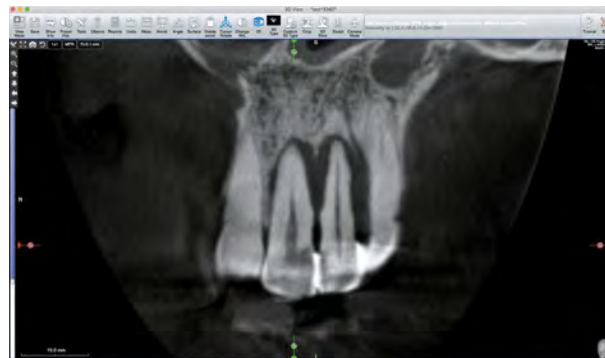


# DIAGNOSE WITH THE HIGHEST QUALITY 2D & 3D IMAGES

## 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



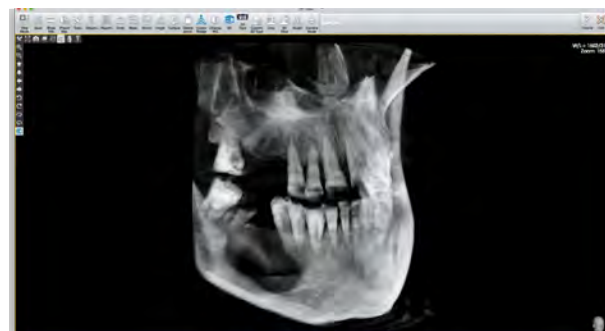
Apical lesion on 10 with bone destruction and extended to 9

- ▶ Explore the maxillary sinus



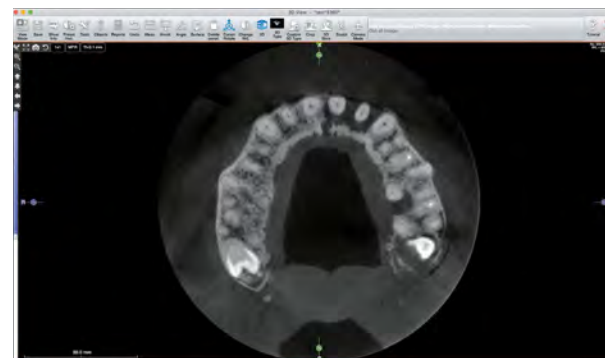
Maxillary sinus analysis

- ▶ Examine maxillofacial diseases



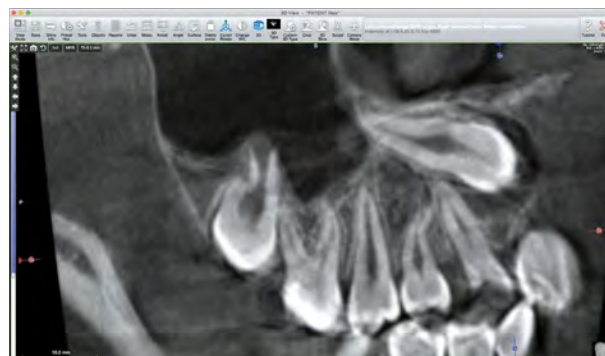
Cyst on fourth quadrant (lower right), with bone destruction

- ▶ Detect dental anomalies



Bone loss on 9, 10, 14

- ▶ Determine the protocol to extract impacted teeth



Impacted canine (6)

- ▶ Diagnose temporomandibular joint disorders



Left TMJ



## ACCURATE IMAGES FOR IMPROVED DIAGNOSIS

With a minimum voxel size of 87.5  $\mu\text{m}$ , you will get detailed three-dimensional reconstructions, able to highlight the smallest anatomical elements.

87.5  $\mu\text{m}$   
Voxel size

# COMPLETE YOUR DIAGNOSIS & TREATMENT PLANNING WITH SPEED & EFFICIENCY

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



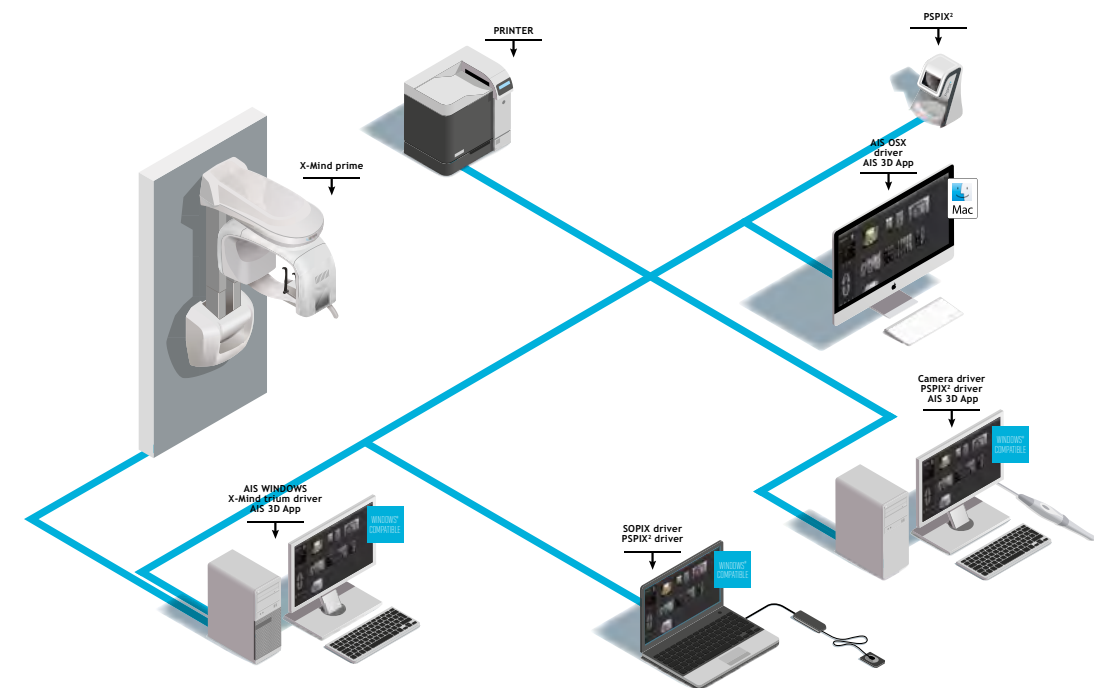
- ▶ Superior design
- ▶ Clean lines
- ▶ User-friendly
- ▶ Open architecture
- ▶ Full integration
- ▶ Advanced functionalities



## ADVANCED FUNCTIONALITY FOR INTUITIVE NAVIGATION

AIS software allows you to manage panoramic and CBCT images from acquisition to viewing.

- ▶ Implant planning
- ▶ Crown placement
- ▶ Mandibular nerve tracing
- ▶ Easy navigation in different sections
- ▶ 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
- ▶ Export in STL format
- ▶ Metal artifact reduction filter
- ▶ Panoramic and cephalometric image detail optimization filter
- ▶ ENT module
- ▶ Virtual endoscope
- ▶ Integrates with various patient management software
- ▶ DICOM compatible

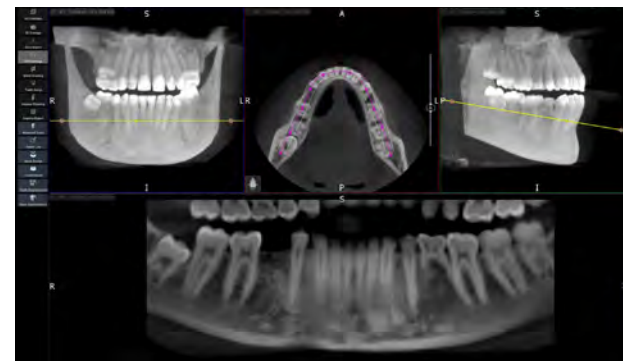




# EASILY PLAN YOUR TREATMENT WITH A DIGITAL WORKFLOW

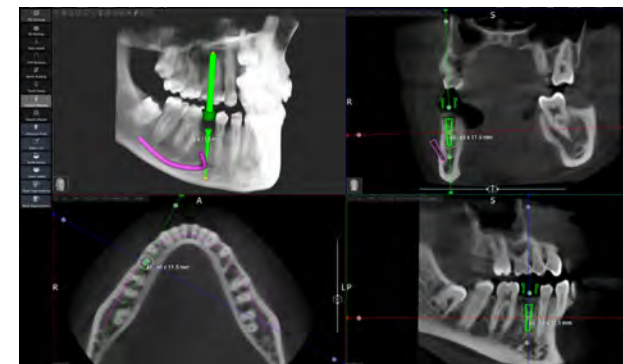
## IMPLANT PLANNING MADE EASY

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



Dental panoramic curve reconstruction

▶ Draw a panoramic curve



Localization of the implant and the mandibular canal

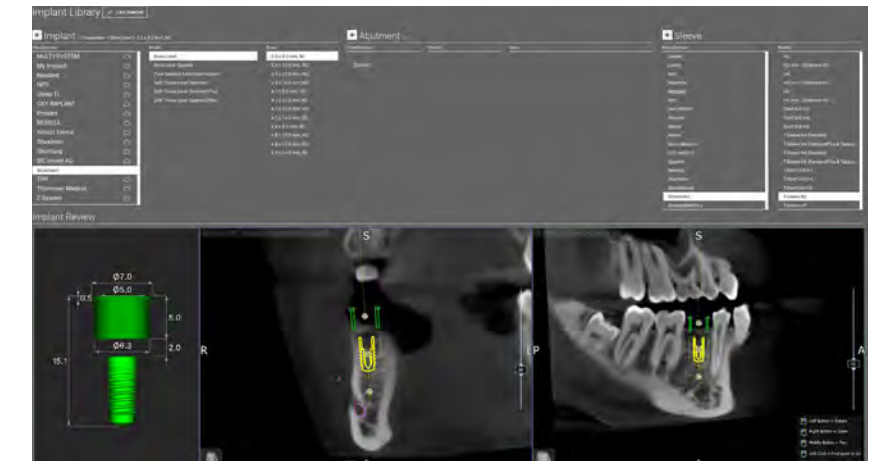
▶ Trace the mandibular canal and measure the distance between the upper canal boundary and the upper mandibular crestal bone to plan the safest surgery for your patient.



Appliance surface generation

▶ Scan the patient appliance with the X-MIND® prime 3D objects scan feature and generate its surface. A guided procedure allows to match the appliance with the patient's scan for a precise implant planning and dual scan protocol application.

▶ Choose the right implant model from a large library and adjust its position.



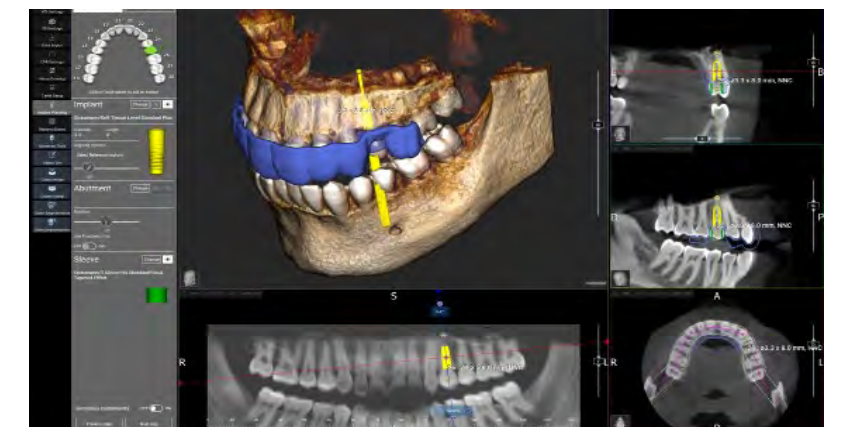
Place your implants

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



Implant report

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





# EASILY AND EFFICIENTLY POSITION 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 with its zero footprint space.**



## SIMPLE CONTROL PANEL

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



Error-free patient positioning with 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 148 lbs for the 3D 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.**



## ACTEON SERVICE & YOU

Imaging Specialists are available to show you the clinical aspects and patient benefits of ACTEON® products.

Free, ongoing and unlimited technical service can be reached Monday to Friday during normal business hours.

## UNMATCHED INSTALLATION SPEED

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.

