IT'S TIME FOR EFFICIENT 3D DIAGNOSIS

X MIND prime

ACTEON

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

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 minute to edit your implant report with the intuitive AIS software

1 to 1 Face-to-face patient positioning

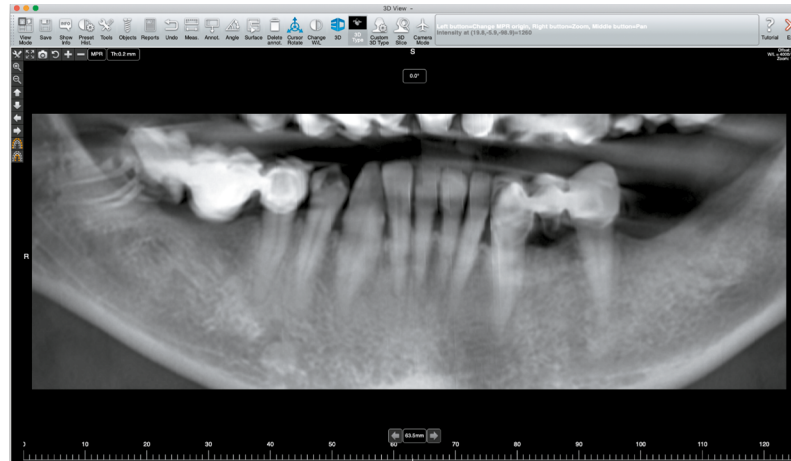**0** Footprint space with the innovative wall mounted system

100% Mac® and Windows® compatible with AIS software

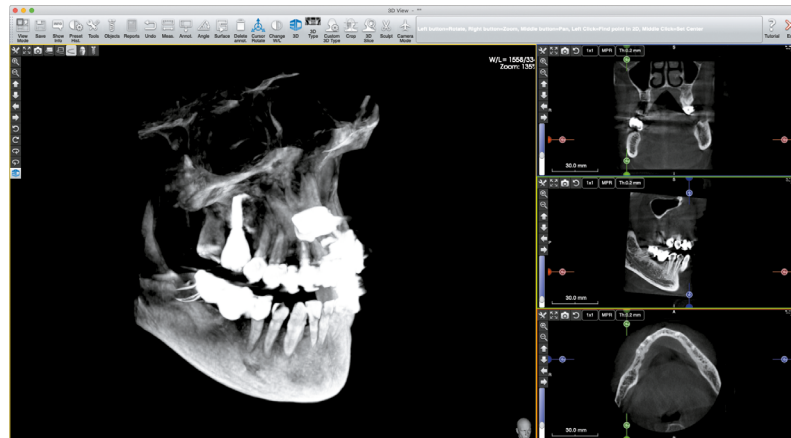# PROVIDE A COMPREHENSIVE CLINICAL OVERVIEW

## IMPLANTOLOGY CLINICAL CASE

1
INITIAL SITUATION

Reconstructed panoramic
Complete analysis, no molar present in the third quadrant (lower left). The remaining molar (31-fourth quadrant, lower right) has to be extracted and the bridge has to be removed. Modification of the crown present on 29.

2
IMPLANT PLANNING

Full dental volume
Virtually add two implants on 19 and 18 to place molar on the third quadrant. Extraction of 31 and the crown (fourth quadrant) by two implants on 30, 31.
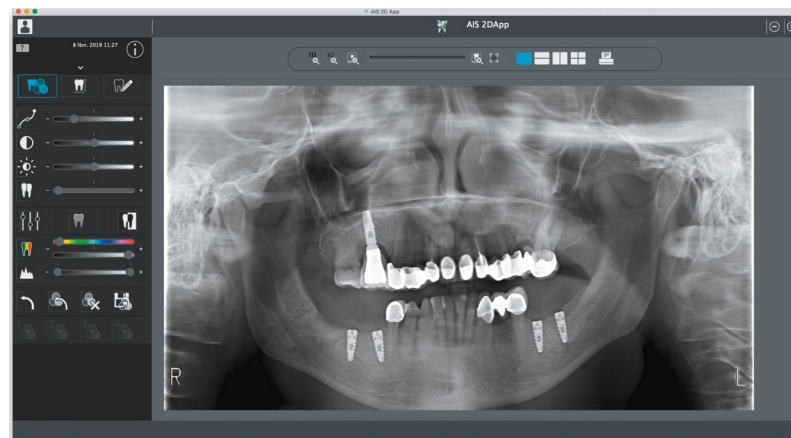
3
POST PROCEDURE

Patient follow-up with a panoramic exam

FROM DIAGNOSIS TO TREATMENT, REMOVE THE GUESSWORK

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

ACTEON

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.

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.

DENTAL PANORAMIC

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

CHILD PANORAMIC

Protect your patient by reducing the exposed area and time.

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.

HALF-PANORAMIC
Left & Right

Reduce the exposed area and focus on the region of interest.
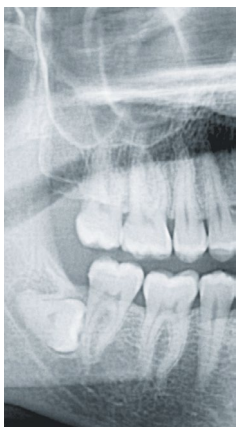
BITEWING
Left & Right

Single or bilateral bitewing views.

FRONTAL

Limit the exposure to the front of the arches.

X MIND prime

# 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.
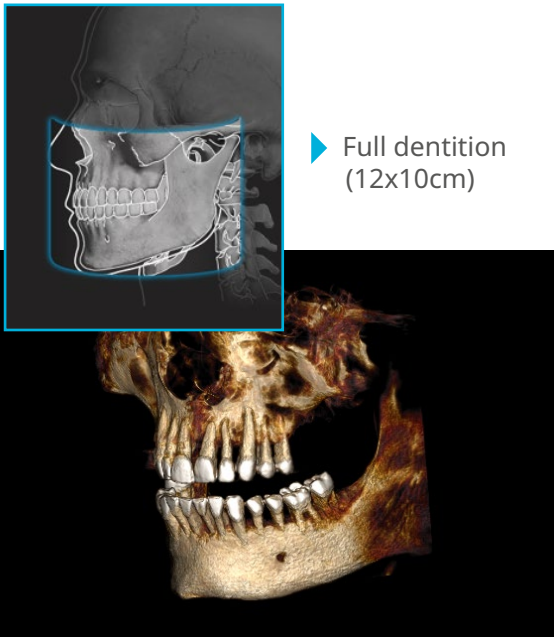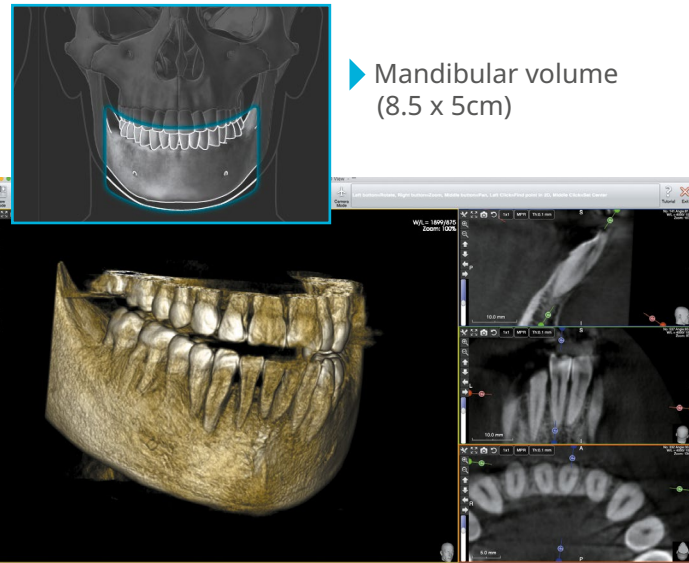

▷ Full dentition
(12x10cm)

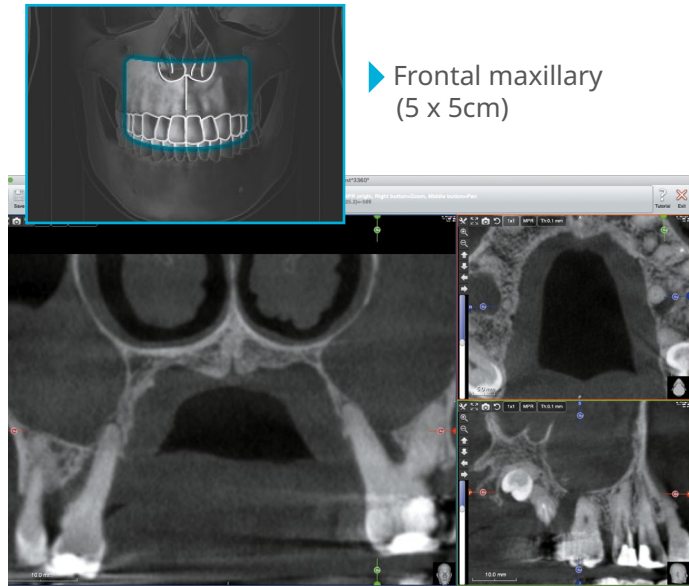*Full dentition and sinus volume - 12x10cm*
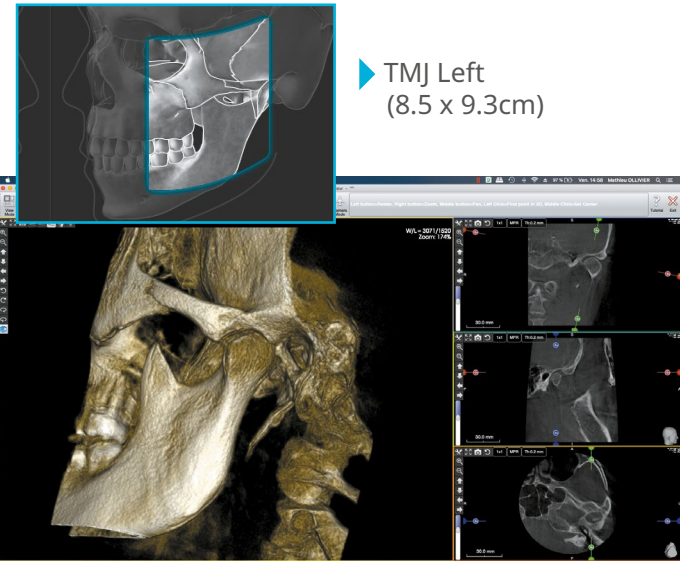
▷ TMJ Left
(8.5 x 9.3cm)

TMJ analysis - 8.5x9.3cm

▷ Mandibular volume
(8.5 x 5cm)

Full volume for pathological research - 8.5x5cm

▷ Frontal maxillary
(5 x 5cm)

Sinuses caused by multiple dental infections - 5x5cm

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!

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.

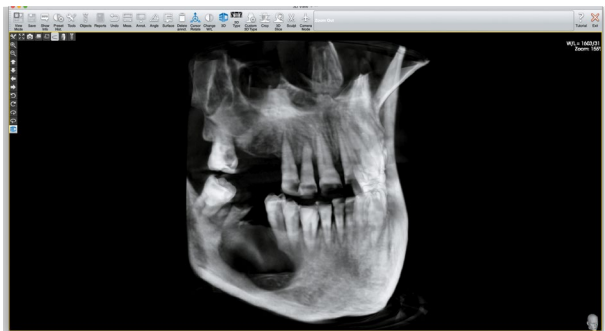▶ Evaluate detailed morphology of bone tissue

Apical lesion on 10 with bone destruction and extended to 9

▶ Explore the maxillary sinus

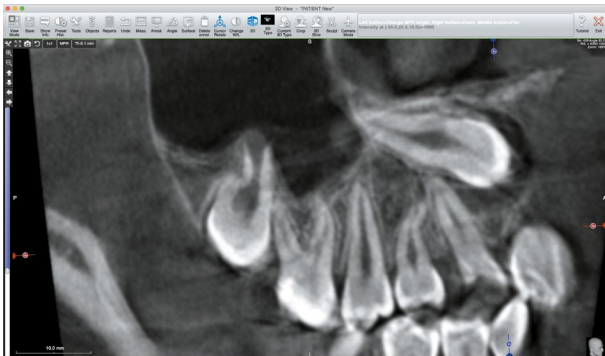*Maxillary sinus analysis*

▶ Examine maxillofacial diseases

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

▶ Detect dental anomalies

Bone loss on 9, 10, 14

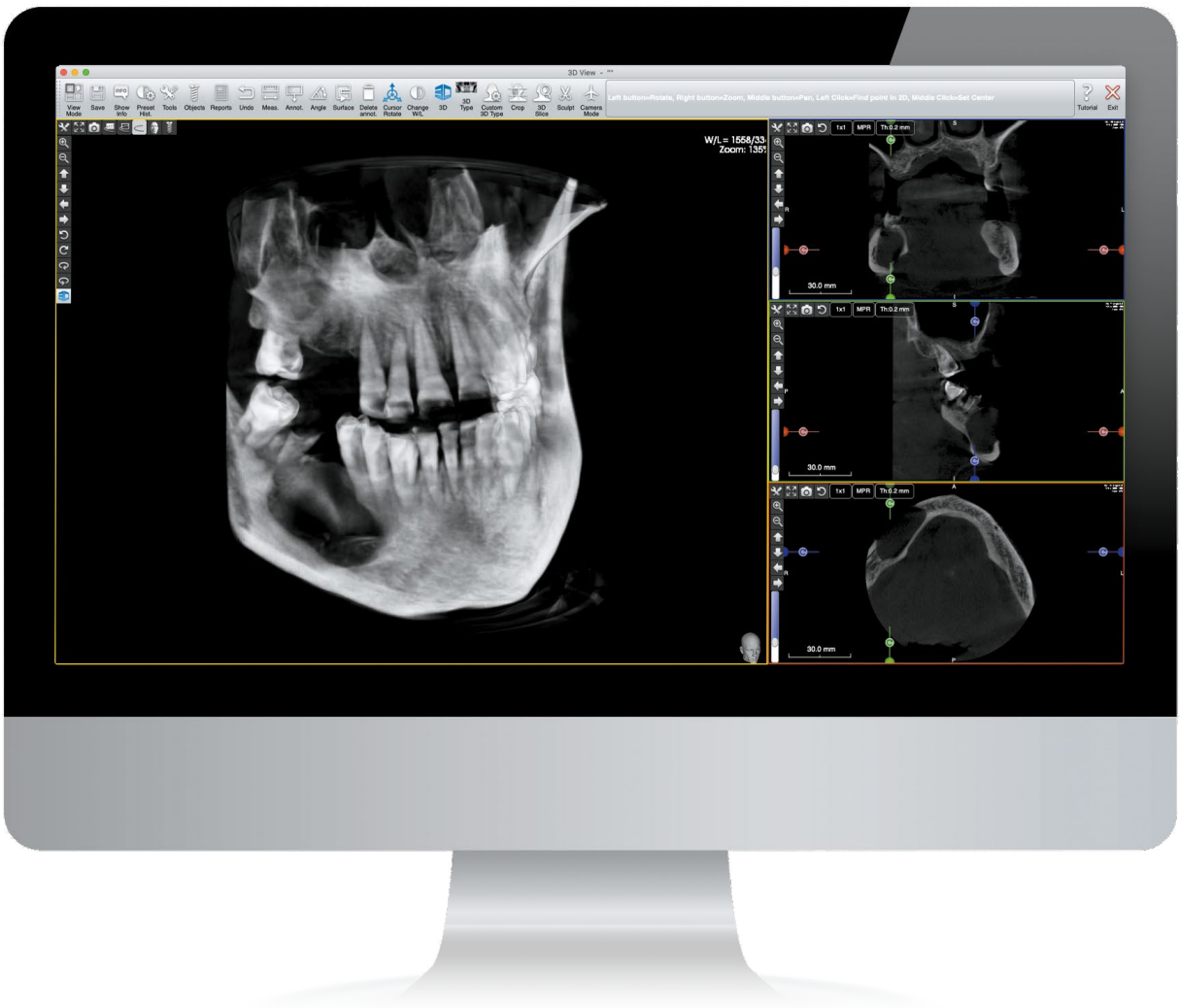▶ Determine the protocol to extract impacted teeth

Impacted canine (6)

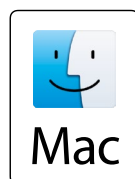▶ Diagnose temporomandibular joint disorders

Left TMJ

ACCURATE IMAGES FOR IMPROVED DIAGNOSIS

With a minimum voxel size of 87.5 μm, you will get detailed three-dimensional reconstructions, able to highlight the smallest anatomical elements.

87.5μm
Voxel size

COMPLETE YOUR DIAGNOSIS & TREATMENT PLANNING WITH SPEED & EFFICIENCY

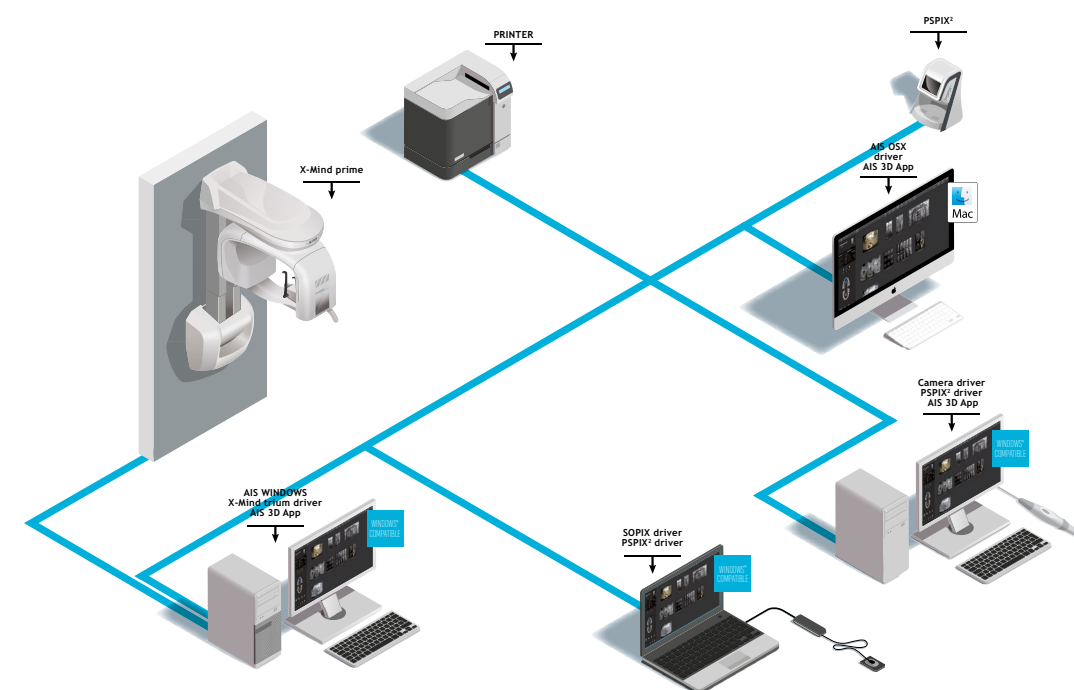## OPTIMIZE YOUR DIAGNOSIS TIME WITH POWERFUL, INTUITIVE AND HIGH-PRECISION SOFTWARE

AIS

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

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

Mac

WINDOWS® COMPATIBLE

TWAIN® COMPATIBLE

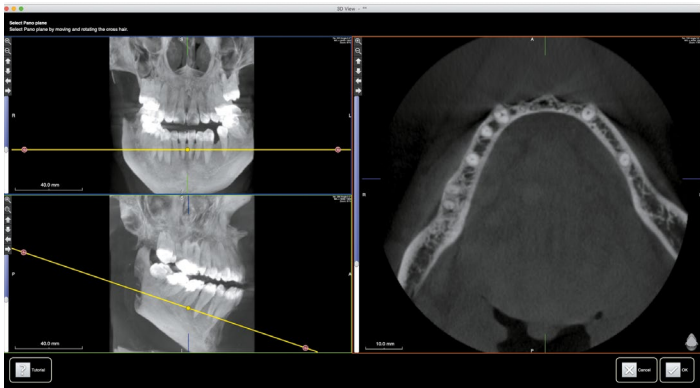**DICOM COMPATIBLE**

EXPORTS TO STL FORMAT

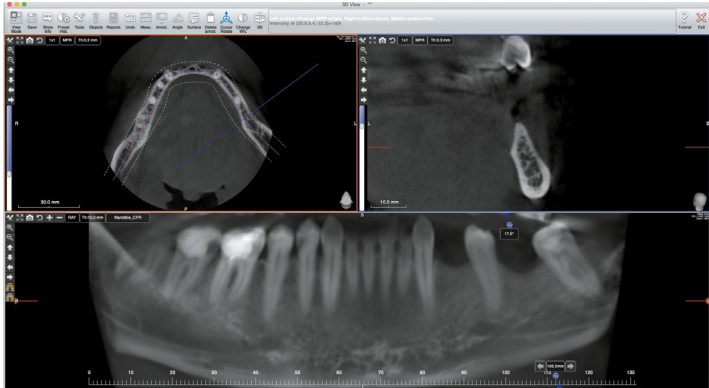# EASILY PLAN YOUR TREATMENT WITH A DIGITAL WORKFLOW

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.
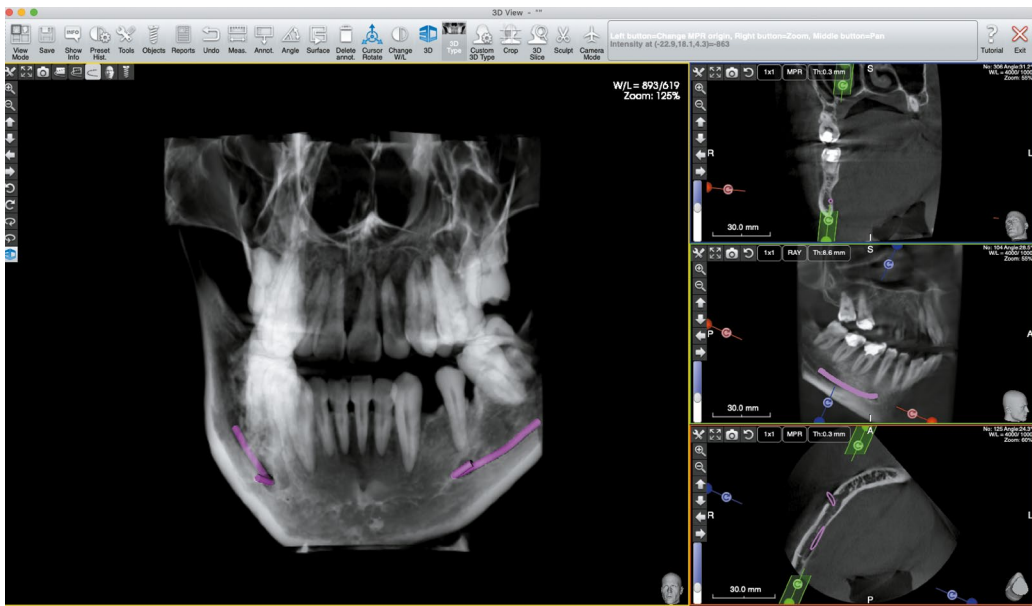
▶ Draw a panoramic curve

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 better position the implants in regards to the soft tissues due to the overlapping function.
Scan the patient appliance with the X-MIND® Prime's 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.
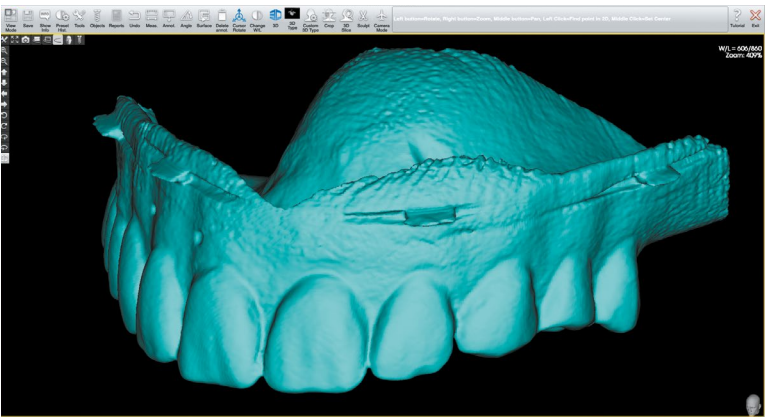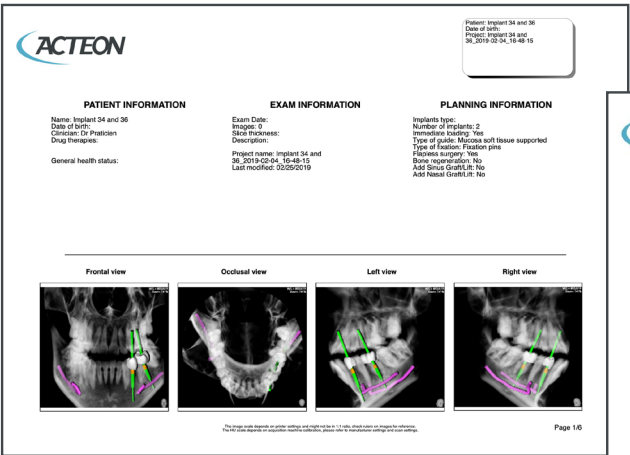

Appliance surface generation

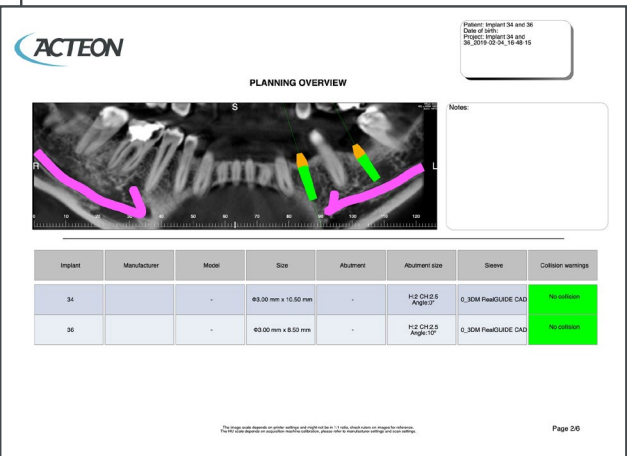▶ Select the correct implant from a large library
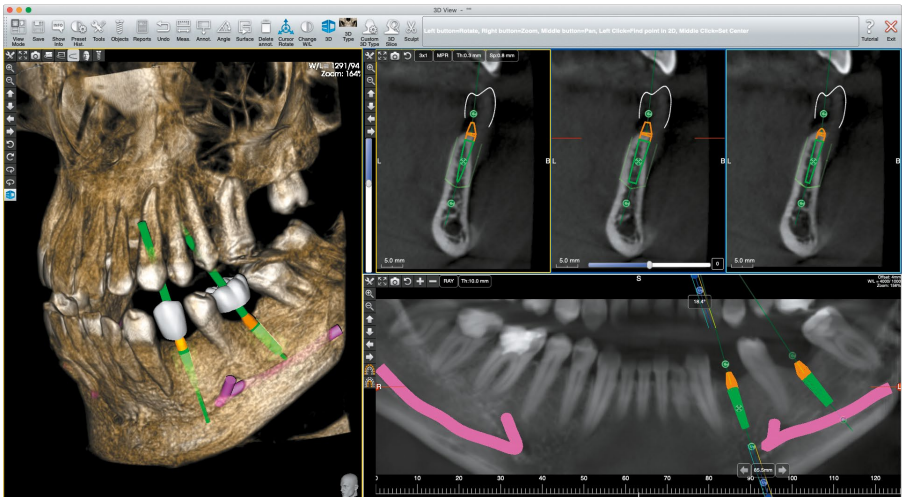
Place your implants

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

Implant report

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.

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.

1 hour
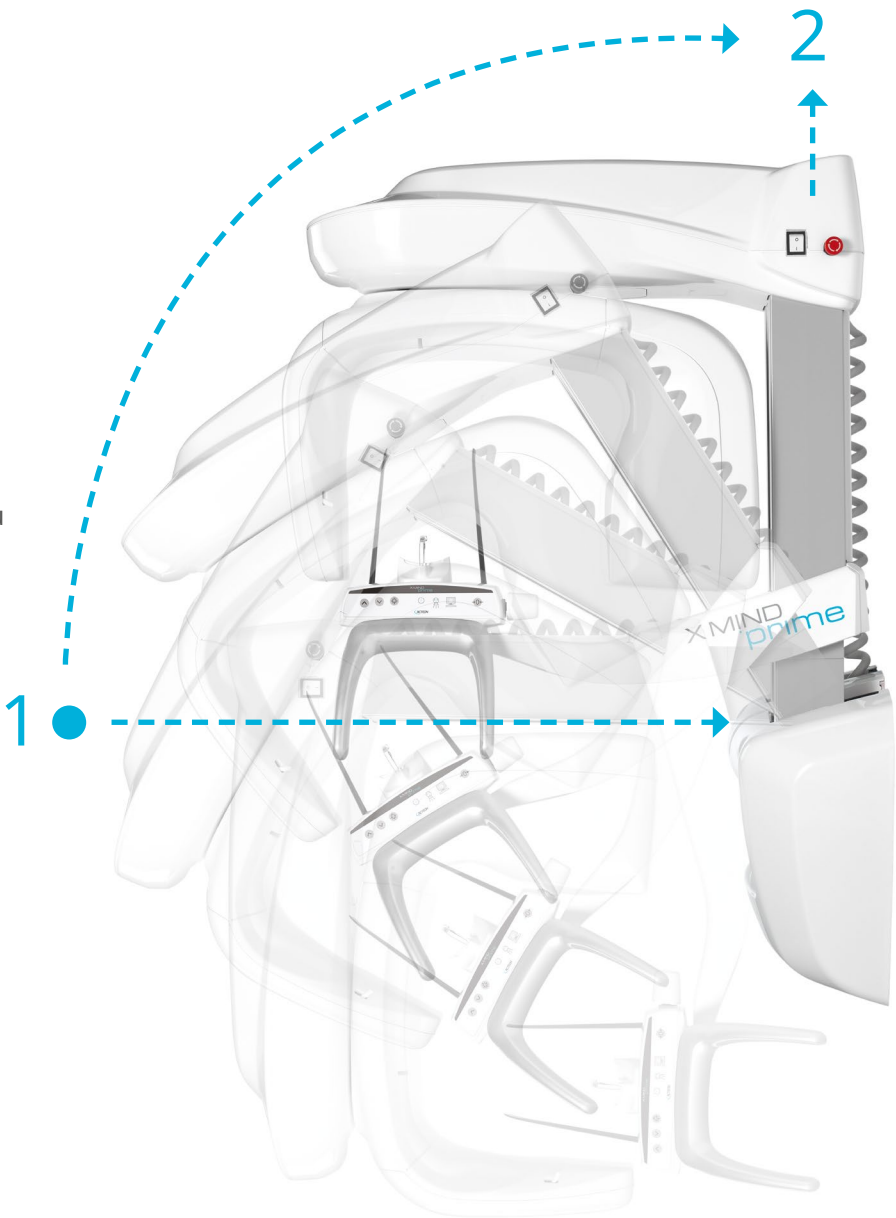
TECHNICAL SPECIFICATIONS

X MIND prime

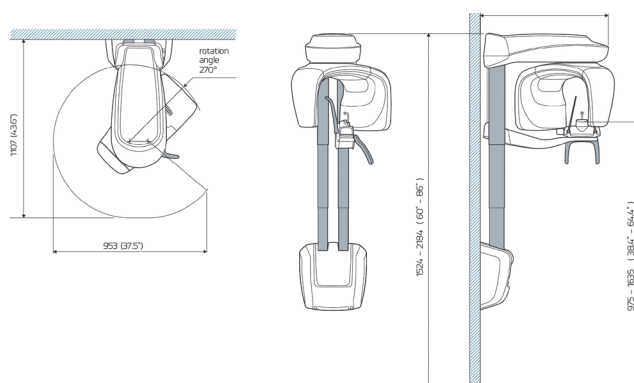|	X-MIND® Prime 2D	X-MIND® Prime 3D
X-RAY SOURCES		
Tube type	D-058 (Toshiba)	OPX 105-12 (CEI)
Total filtration	2.0 mm AI eq. @ 70kVp	≥ 2.5 mm AI eq. @ 86 kVp
Tube voltage	60 - 70 kV	60 - 86 kV
Anodic current	2-7.1 mA	2-12.5 mA
Focal spot	0.5 mm	0.5 mm
SENSOR		
Type	CCD	CMOS Flat panel
Pixel size	48 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 Fields of view	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)*
Exposure time	14.4 s.	7 s. (full dentition)
Grey levels	4096 - 12 bits	65536 - 16 bits
MECHANICAL DATA		
Footprint	43.6" x 37.5"	43.6" x 37.5"
Height	Max 86.2 inches	Max 86.2 inches
Weight	Max 137 lbs	Max 148 lbs
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)

ACTEON NORTH AMERICA
124 Gaither Drive Suite 140, Mount Laurel, NJ 08054
Phone 800-289-6367 | Fax 856-222-4726
Email: info@acteonusa.com | www.acteongroup.com/us