ACTEON

INNOVATIVE IMAGING

Digital medical imaging has significantly contributed to the improvement of diagnoses and the widespread use of less invasive procedures. Over the past 15 years, ACTEON® has committed to channeling its efforts into contributing to improve the accuracy of surgical procedures, and to reduce the radiation doses emitted. Through the development of ever more sophisticated yet intuitive 2.0 software packages, our R&D teams are able to innovate on a daily basis. In our permanent pursuit of excellence, we are proud today to present our latest innovations in this brochure.

www.acteongroup.com

All products in this catalogue must only be used by dental professionals.
Medical devices presented in this catalogue are health products stamped with the CE marking, according to MDD regulation. The manufacturer of these medical devices are SOPRO® and DE GOTZEN®, except X-Mind prime that is manufactured by Villa Sistemi Medicali and distributed by ACTEON®. Read carefully the instructions in the leaflet supplied with the product. Medical Devices marketed by SOPRO® and DE GOTZEN® are not reimbursed by health insurance organizations. Please read carefully the instructions on the labelling or in the user manuals. Updates are available on the site: www.acteongroup.com

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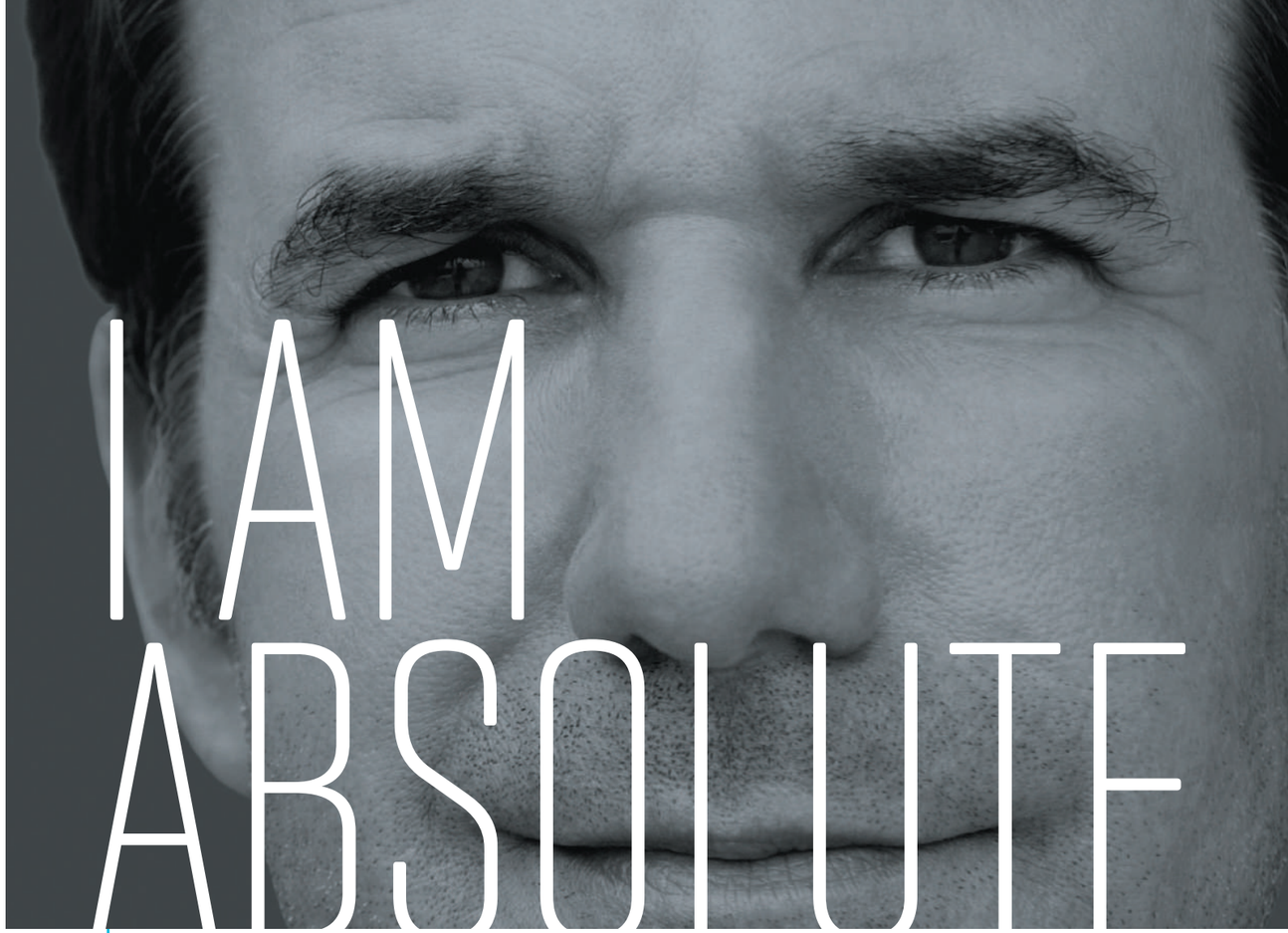
MORE INVENTIVE
LESS INVASIVE



I AM ABSOLUTE

IMAGING CATALOGUE

ACTEON

ACTEON

INNOVATIVE IMAGING

It is with great pride and enthusiasm that we bring our new Acteon Imaging catalogue to you, based on the latest cutting edge technological progress!

Our most recent products, PSPIX² and Trium, are presented in detail. Thanks to the extensive expertise of our research & development teams, they offer unique solutions featuring outstanding image quality. These innovations are due to a combination of in-depth knowledge of the practitioner's needs in terms of digitalisation and on the latest technological advancements in computational optics.

PSPIX² is the first personal digital scanner developed to equip any practice. It is a radical breakthrough which is both user-friendly and combines a unique image quality with an attractive design.

With Trium, the new reference in 3D dental image quality and its ingenious 3D image reconstruction algorithm, ACTEON has entered a new phase in diagnostic accuracy.

We are confident that these two easy-to-use products will meet all your hopes and expectations. They will become essential to your practice and be revolutionary for their time.

As part of our commitment to our customers, we have rationalised our internal organisation and are pleased to announce the presence of Acteon Imaging technical experts offering you support and advice and covering all the countries where our products are sold.

With ACTEON, the 21th century is here!

Marie-Laure POCHON

President - CEO

A COMPLETE RANGE TO SEE FURTHER

COMMUNICATE
WITH YOUR PATIENTS:

USE AN IMAGE, THE KEY TO EDUCATION AND CASE ACCEPTANCE

Mac

WINDOWS® COMPATIBLE

Video COMPATIBLE

SOPRO® 617 is easy to use for patient communication, and a great asset for case acceptance.

Simplicity in the palm of your hand

- Rounded shape and thin distal part for maximum accessibility and unrivalled patient comfort
- 05° angle of view for better exploration of distal areas
- Fixed focus with large depth of field, providing high-quality images
- Ease of use: point and shoot
- Freeze the image with a simple slide over the SOPRO Touch

Intraoral

Intraoral

One tooth

Speak the same language as your patient!

MACROVISION

REVEALS WHAT WAS ONCE INVISIBLE

Mac

WINDOWS® COMPATIBLE

Video COMPATIBLE

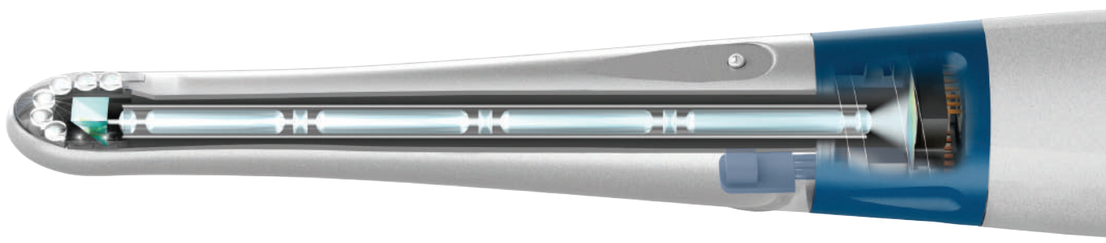
SOPRO® 717 reveals micro fissures, infiltrations, lesions, everything that is not visible with the naked eye.

Magnification of the image up to 115 times*

- Large depth of field from extraoral to macrovision
- Exceptional image quality provided by a highl sophisticated optical system
- Extremely small camera head for easier access
- Successfully capture images with a simple glide over the SOPRO® touch high quality images

Infiltration of the metallic ions

Infiltrated occlusal groove



See the infinitely small

Dental cavity preparation

Infiltrated occlusal groove

Cracked tooth

Cervical lesion

Enhance your vision during examination

See details otherwise not visible to the naked eye. Closely monitor micro fractures and the development of small lesions.

Improve your clinical performance

Take a more detailed look into dental cavity preparation and be more accurate during treatment.

** On a 17" screen*

AUTOFLUORESCENCE
HIGHLIGHTS DECAY AND PROMOTES MINIMALLY INVASIVE TREATMENT

Mac

WINDOWS® COMPATIBLE

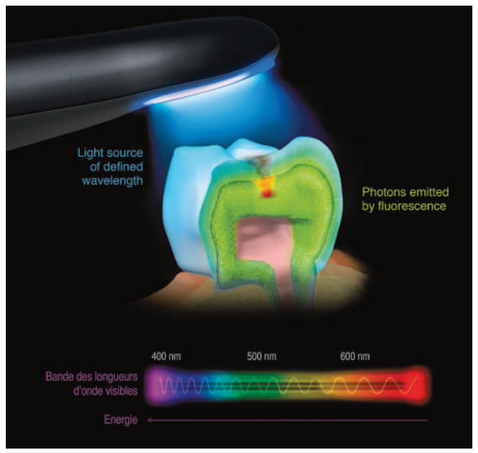
Video COMPATIBLE

SOPROLIFE® is a revolutionary camera that differentiates between healthy and infected tissue facilitating less invasive treatments.

The power of autofluorescence

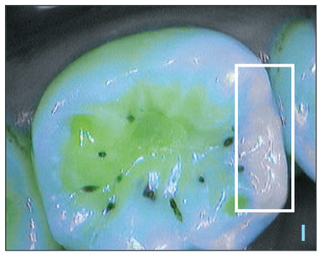
- **DIAGNOSTIC aid mode**: identify the development of occlusal and proximal carious lesions.
- **TREATMENT aid mode**: perform minimally invasive treatment by preserving healthy tissue.
- **DAYLIGHT mode**: from portrait to macrovision, obtain sharp images with the large depth of field.

SOPROLIFE® offers two different visions: white light (daylight) and blue light (fluorescence).

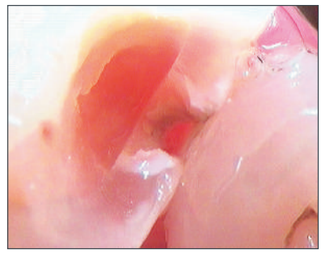


Enhance clinical examination capabilities and perform less invasive treatment

DAYLIGHT mode
► *Initial situation*



DIAGNOSTIC aid mode
► *Demineralization over the mesial marginal crest revealed*



DAYLIGHT mode
► *Opened cavity*

TREATMENT aid mode
► *Demineralized enamel and infected tissue*

TREATMENT aid mode
► *All the infected tissue has been removed*

SELECTIVE CHROMATIC AMPLIFICATION

DIFFERENTIATES THE COLOUR OF TISSUE AND REVEALS ORAL HYGIENE PATHOLOGIES

Mac

WINDOWS® COMPATIBLE

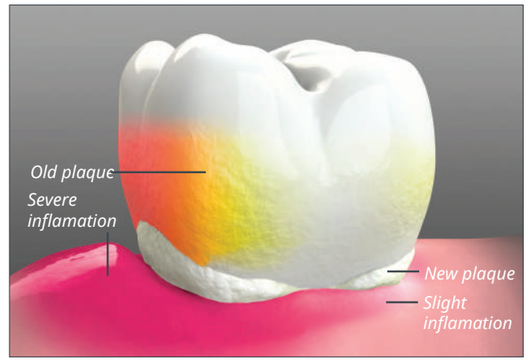
Video COMPATIBLE

With the push of a button, SOPROCARE® instantly and easily highlights caries, plaque, calculus and gingival inflammation.

3 needs, 3 modes

- **PERIO mode**: highlight plaque, calculus, and gingival inflammation.
- **CARIO mode**: caries are detected as red, surrounding tissue is displayed in black and white.
- **DAYLIGHT mode**: communicate more effectively with your patient and see details that are not visible with the naked eye.

SOPROCARE® is an unparalleled communication tool in the dental practice!

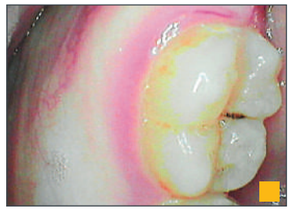


Chromatic mapping representing the characterization of tissues in PERIO mode

Control hygiene evolution

BEFORE TREATMENT

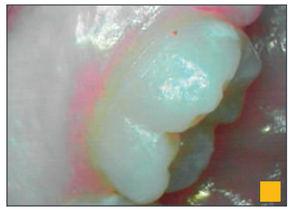
DAYLIGHT mode
► *Initial situation*



PERIO mode
► *Initial situation*

AFTER TREATMENT

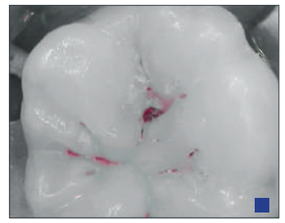
DAYLIGHT mode
► *One week after treatment*



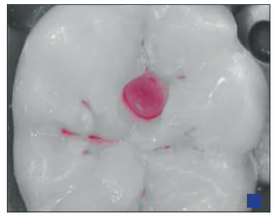
PERIO mode
► *One week after treatment*

Enhance clinical examination capabilities

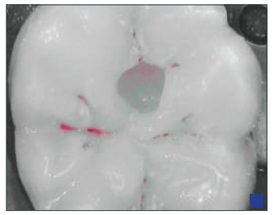
DAYLIGHT mode
► *Initial situation*



CARIO mode
► *Carious lesion revealed*



CARIO mode
► *Infected tissue*



CARIO mode
► *all the infected dentine has been removed*

A SUCCESSFUL X-RAY EVERY TIME WITH MINIMAL EXPOSURE TO RADIATION

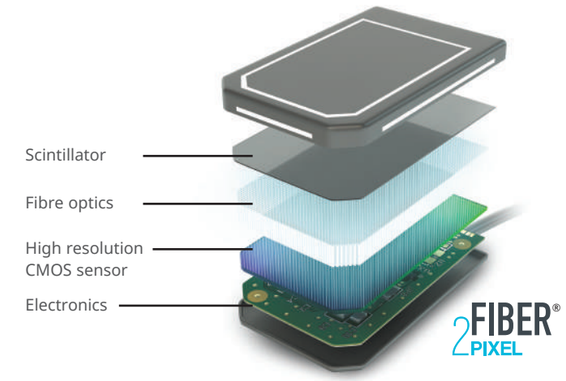
Mac

WINDOWS® COMPATIBLE

Equipped with ACE technology, the SOPIX SERIES are the unique digital sensors providing you perfect X-ray the first time and every time.

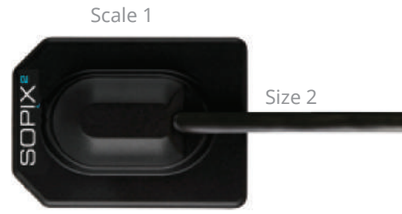
Striking contrast for a more reliable diagnosis

Thanks to the use of **broad spectrum optical microfibers**, the **different tooth anatomic structures**, such as the bone, roots, pulp... are highlighted with **extreme precision** on the image.



Smart design for better comfort

Two sizes are available depending on **patient morphology** and **clinical applications.**
Rounded edges and corners for improved **patient comfort**.
White side stripes ensure **high visibility** of the sensor in the dark area of the mouth.

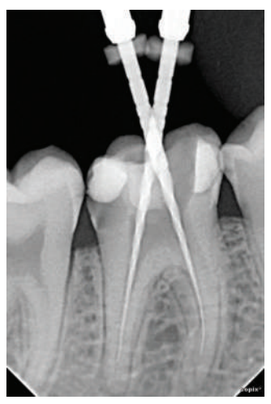


No more overexposed images

Available on all SOPIX series sensors, the patented ACE technology freezes the image during acquisition **to protect** it **from over-exposure**.

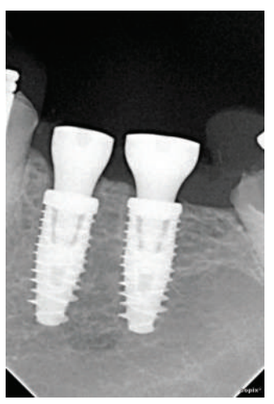
Acquire perfect image the first time and every time!

Endodontics



Periodontics

Implantology



Periapical

STOP
EXCESSIVE RADIATION

SOPIX² inside SOPIX inside

Mac

WINDOWS® COMPATIBLE

Patient and staff are protected from excessive radiation thanks to the unique communication between the X-Mind® unity and SOPIX® inside.

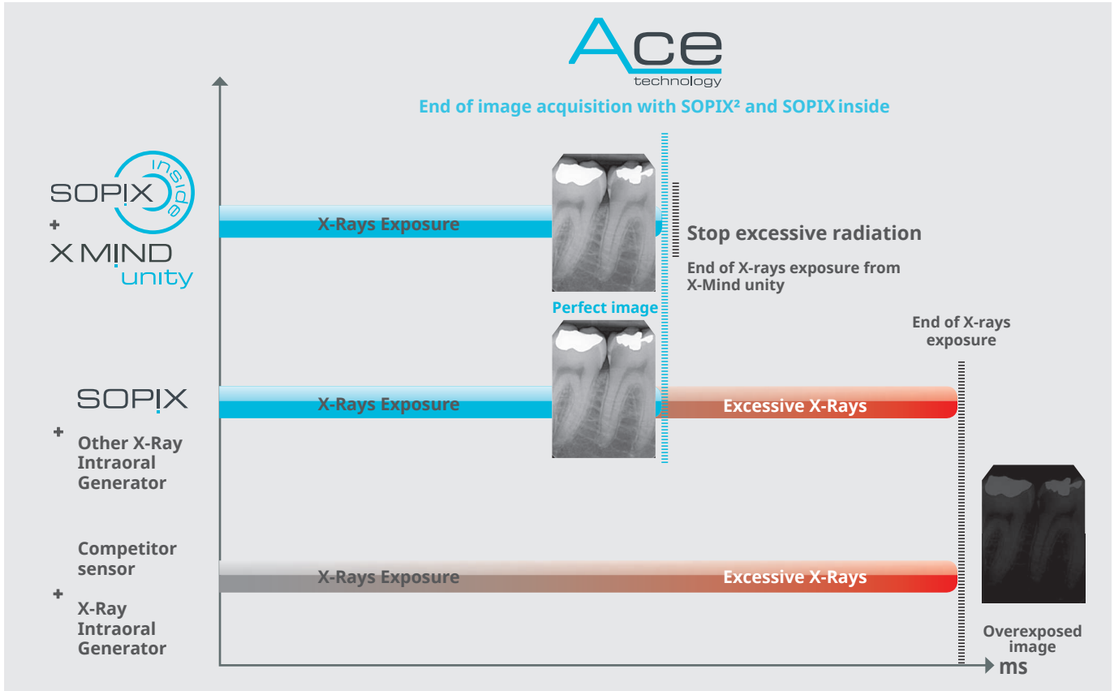
SOPIX² inside is directly integrated into the X-Mind unity intraoral X-ray system and makes the protection of the patient our utmost priority.

LOW DOSE

Effective protection for minimal exposure

The patient only receives the necessary dose adapted for their dental morphology, which **protects them from unnecessary exposure**.

When SOPIX inside has received enough energy to provide an **exceptional image quality**, it tells the X-Mind unity to **stop the X-ray emission**.



Exclusive traceability

ACTEON Imaging Suite systematically records the **X-Mind unity settings** as well as t**he effective dose received by the patient** for each acquisition.

Outstanding working comfort

Through direct integration of SOPIX inside into X-Mind unity, **connecting cables are hidden** inside the X-ray unit and the holder places the sensor **safely at easy reach**.

THE FIRST PERSONNAL
IMAGING PLATE SCANNER

Mac

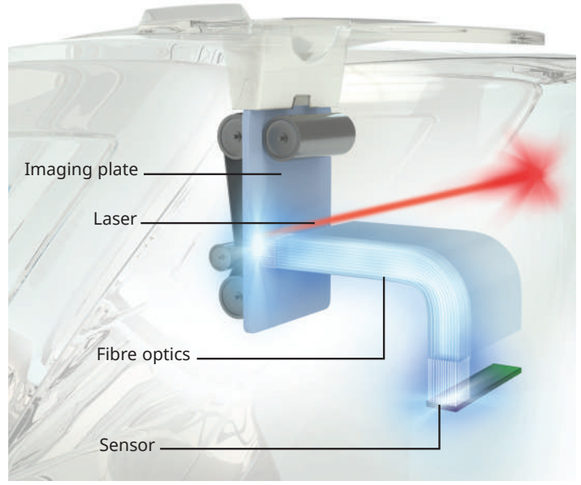
WINDOWS® COMPATIBLE

PSPIX² provides streamline workflow with images in seconds: drop your imaging plate in the PSPIX² and let it do the rest!

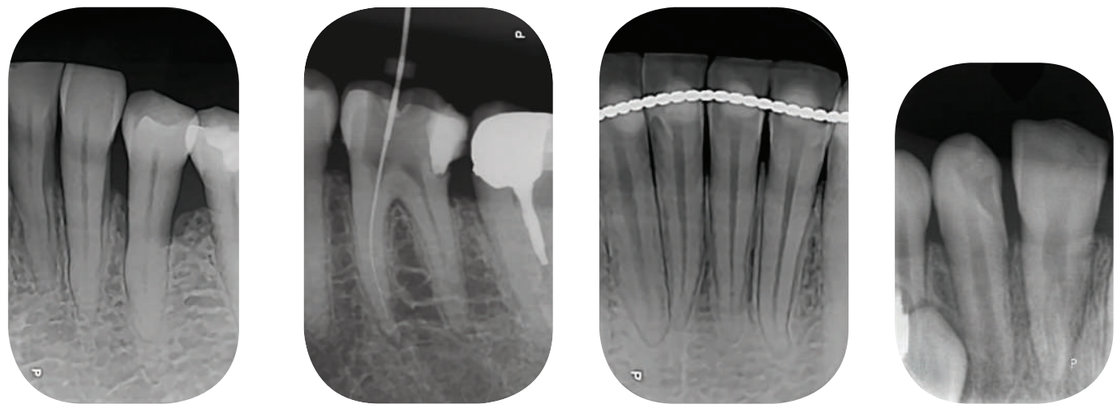
Striking contrast for a more reliable diagnosis

Thanks to the use of **broad spectrum optical microfibers**, the **different tooth anatomic structures**, such as the bone, roots, pulp... are highlighted with **extreme precision** on the image.

2FIBER® PIXEL



Periodontics **Endodontics** **Orthodontics** **Pedodontics**



Improved patient experience with **various sizes** of **thin and flexible imaging plates**.

The PSPIX² is

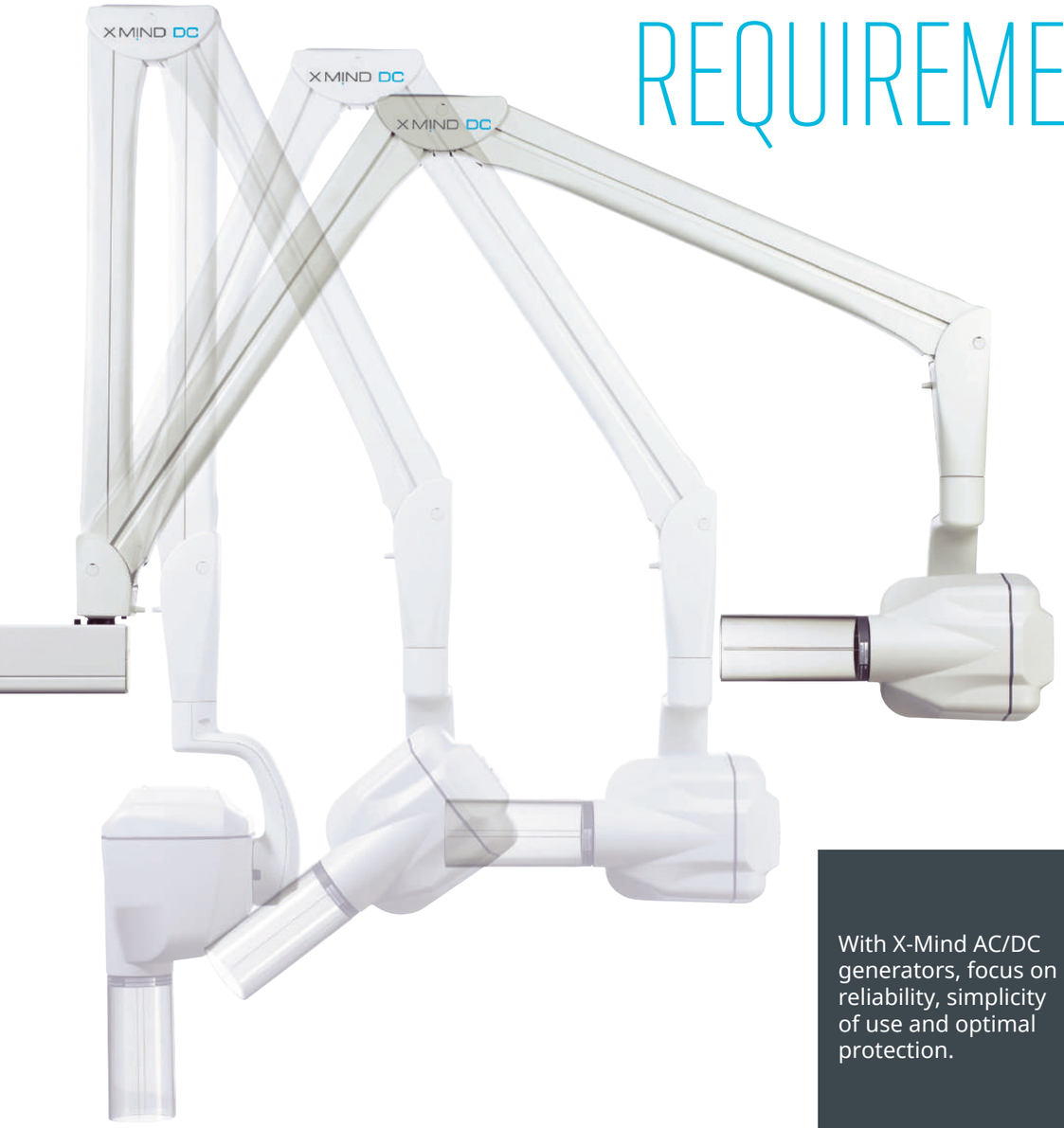
AFFORDABLE that you can now equip every operatory chair side

INTUITIVE that learning to use it is instantaneous

SMALL that it takes up a minimal amount of space

ELEGANT that it will enhance your dental practice

EASY AND SMART INTRAORAL SYSTEM FOR HIGH QUALITY REQUIREMENTS

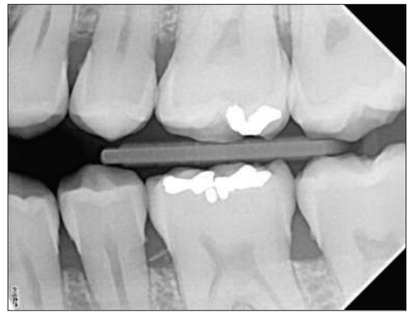


With X-Mind AC/DC generators, focus on reliability, simplicity of use and optimal protection.

Reliability of the X-Mind™ AC and DC generators

The X-Mind AC and DC generators are renowned for their reliability and their consistent performance.
Two beam limitation devices made of lead, along with the expansion chamber ensure maximum protection for the practitioner and his personnel.

Shorter exposure time with X-Mind DC generator



Exposure times with the X-Mind DC generator are reduced when used with digital sensors.

Programmable user-defined timer

With the X-Mind timer, the micro-processor controlled exposure times are user-defined and programmable. The timer is compatible with digital imaging systems and can control two AC or DC generators.

RELIABLE TECHNOLOGY

THAT REDUCES RADIATION EXPOSURE

The X-Mind unity generator has been developed with a refined design, a proven quality and unique technological benefits.

A sharp and contrasted image

The X-Mind unity has a 0.4 mm focal spot.
It has several configurable radiological settings:

Notably:
- The anodic voltage (60, 65 and 70 kV)
- The anodic current (from 4 to 7 mA)
- These parameters ensure a sharp and contrasted image

The generator focal spot Y: 0.7 mm

The generator focal spot of X-Mind™ unity: 0.4 mm

Stop excessive radiation with Ace technology

This technology combined with the X-Mind unity allows the SOPIX inside sensor to stop the generator, thus **avoiding all risk of over exposing the patient and image** as well as unnecessary re-takes of acquisitions.

The patient **only receives the necessary dose**, adapted to their dental morphology.

Safety through traceability

The dose received by the patient appears on the timer's screen after each exposure.

With SOPIX INSIDE, this **dose is also recorded** in the patient's ACTEON Imaging Suite file, thus ensuring permanent traceability.

** Reduction variable according to the patient's morphology.*

3D DIAGNOSIS

IS MORE ACCESSIBLE THAN EVER WITH A SMART AND COMPACT SOLUTION

- 40 2D and 3D programs
- 3D objects scanning
- Face-to-face positioning
- Zero footprint space
- Wall-mounted solution
- Minimum resolution of 87,5 um
- 3 FOV (85x93; 85x50; 50x50)

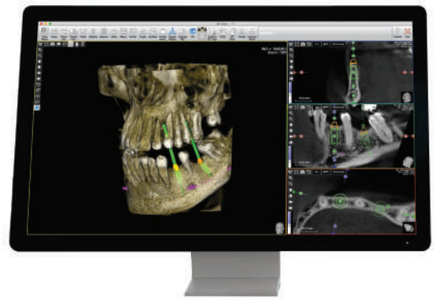
Mac

WINDOWS® COMPATIBLE

Easily plan your treatment with a digital workflow

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

- Draw a panoramic curve
- Trace the mandibular canal and measure the distance between the upper canal boundary and the upper mandibular crest bone
- Select the right implant from a large library
- Print your illustrated and complete implant report in less than a minute.
- You can also scan the patient Appliance with the X-Mind prime 3D scan objects feature and use it for the matching with the patient scan.

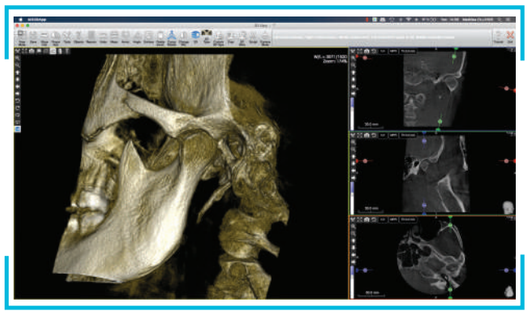


Diagnose with the highest quality 2D & 3D images

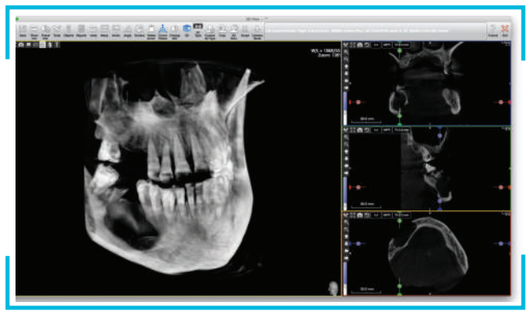
X-Mind prime provides a large numer of applications dedicated to the needs of both specialists and general practitioners.

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

TMJ ANALYSIS



CYST ANALYSIS



X MIND prime

Rely on a complete set of panoramic exams

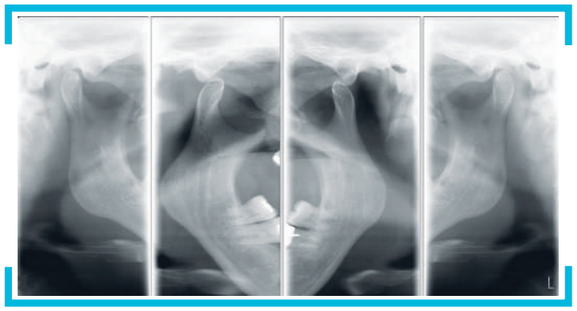
X-Mind prime offers a full set of panoramic exams for both adult and child tailored to meet all your clinical applications :

- Panoramic
- Examination of the temporomandibular joints
- Examination of the maxillary sinuses
- Half-panoramic
- Improved orthogonal panoramic
- Detailed frontal dentition
- Low-dose panoramic
- Bite-wing

DENTAL PANORAMIC

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

TEMPOROMANDIBULAR JOINT



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

FRONTAL DENTITION

Program that limits the exposure to the front of the arches.

BITE-WIND EXAMS

Shows single or bite-wing view.

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 62 kg for the 2D configuration), and its reduced size makes X-Mind prime adaptable to fit the narrowest space.

Position easily and efficiently your patient

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

X-Mind prime is based on a fix & lift principle. Whether sitting or standing at any height, the telescopic columns can be directly adjusted using the control panel.

Its open space configuration suits all types of patients and is easily accessible for wheelchair users thanks to its zero footprint space.

Simple control panel

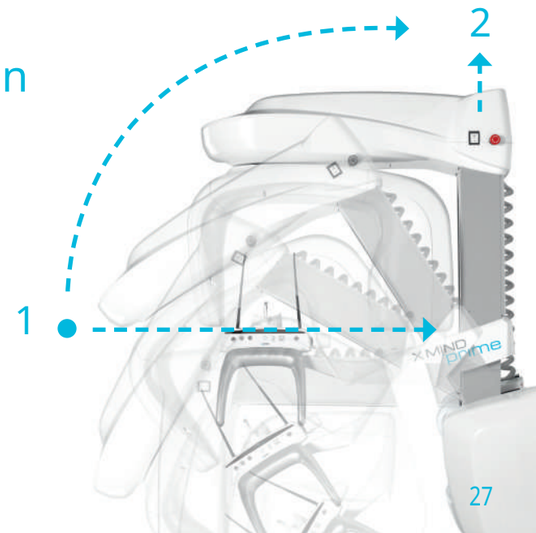
The simplified control panel smartly located below the chin support provides a streamlined and precise patient positioning.

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

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 1 box, 1 technician, 2 steps and that's it!

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



WITH TRUE LOW DOSE,

GAIN REAL PROTECTION WITHOUT COMPROMISING 3D IMAGE QUALITY

- Up to 50%* dose reduction
- 3 in 1 CBCT solution
- Ultra high resolution of 75 µm
- 4 FOV (110x80; 80x80; 60x60; 40x40)
- Powerful artefact reduction filter
- Patented CEPH module

Mac

WINDOWS® COMPATIBLE

Up to 50%* dose reduction with TRUE LOW DOSE CBCT

True low dose helps to reduce the X-ray dose while preserving a high image quality. The unique True Low Dose solution is possible thanks to :

TRUE LOW DOSE

Smart slide movement

X-Mind trium U-arm is sliding closer to the child's head during the exam. This allows to reduce the X-ray dose settings while keeping the exact same image quality as before.

BEFORE SLIDE MOVEMENT

AFTER SLIDE MOVEMENT

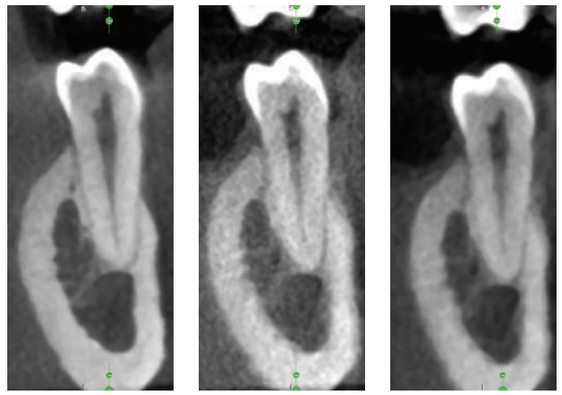
Image enhancing algorithm (coming soon)

With the new powerful algorithm, you can now decrease the X-ray settings with peace of mind. Our True Low Dose algorithm will reveal all anatomical structures on the 3D radiographic scan while on classical Low Dose system, some clinical information can be missing because of the lack of data collected.

STANDARD DOSE

CLASSIC LOW DOSE

TRUE LOW DOSE



90kV - 8mA

70kV - 4mA

70kV - 4mA

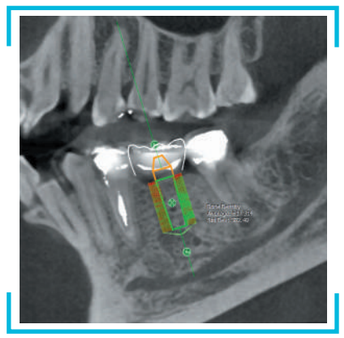
An outstanding image quality

The quality of the diagnosis and endodontic treatments improves significantly with the 75 µm resolution of X-Mind® trium.

*Ratio based on DAP measurements from standard X-Mind Trium settings 90kV-8mA-300 prjs

A reliable assessment of bone density

A precise and detailed analysis of the existing bone volume is highly recommended in order to reduce complications associated with implant placement.
The ACTEON® Imaging Suite 3D software displays the assessment of bone density all around the implant with just one click.



Focus on the region of interest

X-Mind® trium offers you a broad selection of field of view, letting you focus on the region of interest for the target diagnosis and reducing the patient's exposure to X-rays:

ø 110x80 mm

ø 80x80 mm

ø 60x60 mm

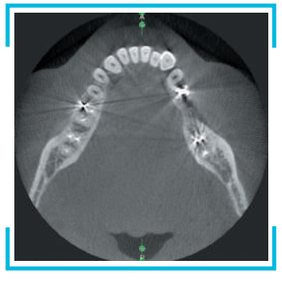
ø 40x40 mm

An optimal filter for reducing metal artifacts

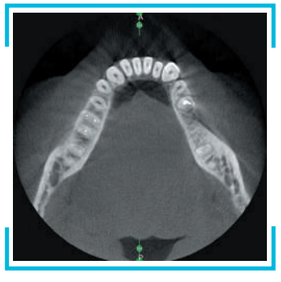
X-Mind® trium is equipped with a dynamic artefact reduction filter to eliminate streaks and dark bands caused by the presence of metal. The image can be freely reconstructed with adjustable filter levels based on the target level of information and the need to cut out artefacts.

The goal is to best isolate the desired information during the examination.

Without filter



With filter



Simplified implant panning

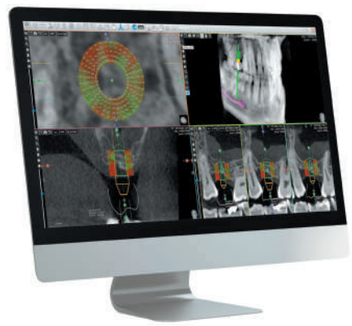
1 **Locating and tracing the mandibular canal** precisely is the first step in the implant planning procedure. It also measures the distance between the canal boundary and the implant.

2 3D modelling can then be used to **choose the size and shape of the implants** in proportion to the patient's morphology based on a **substantial and scalable implant library**. Better still, you start by putting the crown in place, which serves as a guide for better positioning of the implant.

3 ACTEON® Imaging Suite **gives useful information to assess volume and bone density** for implant placement, which can effectively be used to guide the diagnosis and surgical treatment.

4 ACTEON® Imaging Suite exports imaging data generated by X-Mind® trium scans in **STL format**. This data can be imported into a surgical guide design software.

5 **In less than a minute**, you can produce and print **a full implant report**, to illustrate your written report (required). This illustrated report can also help you better inform your patient or a referring dental surgeon.



Panoramic radiography

Panoramic with improved orthogonality

X-ray beam perpendicular to the jaw for better orthogonality and to reduce the overlapping of crowns.

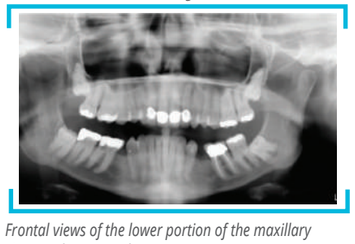
Bitewing

A quick bitewing image in one shot

TMJ sections

Both open and closed mouth image

Maxillary sinus



Frontal views of the lower portion of the maxillary sinus and paranasal area

Cephalometric radiography

Full skull lateral

Posterior anterior

EXCEL IN YOUR ANALYSIS IN RECORD TIME, WITH THE POWERFUL, INTUITIVE AND HIGH-PRECISION SOFTWARE

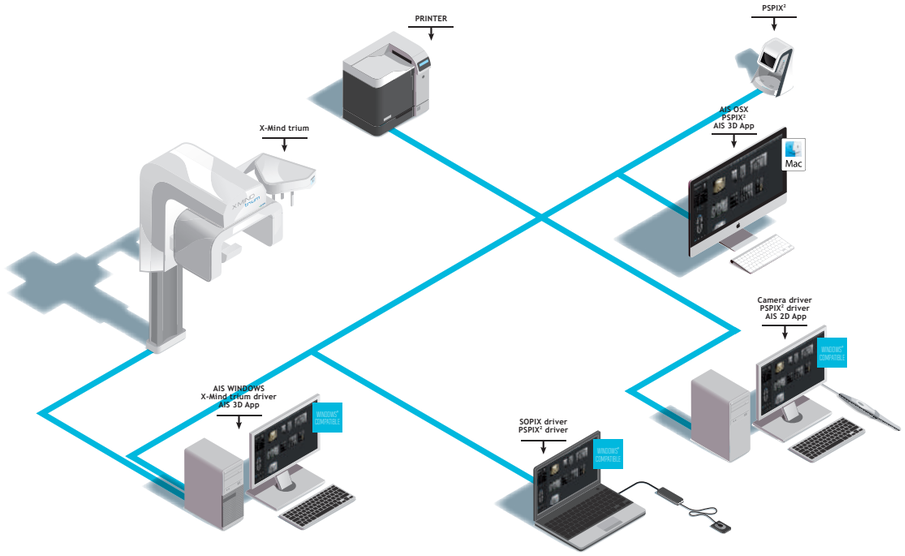
- Superior design
- Clean lines
- User friendly
- Open architecture
- Full integration
- Advanced functionalities

Mac | WINDOWS® COMPATIBLE | TWAIN® COMPATIBLE | DICOM COMPATIBLE | EXPORTS TO STL FORMAT

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
- Bone density assessment and volume measurement
- 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 PSPIX², SOPIX Series and ACTEON intraoral cameras products in the USA and Canada.

TECHNICAL SPECIFICATIONS

INTRAORAL CAMERAS

	SOPRO CARE	SOPRO LIFE	SOPRO 717	SOPRO 617
Highlight dental plaque	✓			
Highlight gingival inflammation	✓			
Reveal caries	✓	✓		
Macrovision	✓	✓	✓	
Intraoral image	✓	✓	✓	✓

SOPRO 617

- High sensitivity: 1/4" CCD
- Resolution: (752x582) PAL ; (768x494) NTSC
- Definition: 470 lines
- Sensitivity: 2 lux
- Lighting: 8 LED
- Adjustment: fixed focus

- Freeze Frame with SOPRO Touch or pedal: (option)
- Angle of view: 80°
- Cable length: 2.5 m
- Dimensions (mm): L. 205 x W. 28 x H. 24
- Weight: 55 g

SOPRO 717

- High sensitivity: 1/4" CCD
- Resolution: (752x582) PAL ; (768x494) NTSC
- Definition: 470 lines
- Sensitivity: 2 lux
- Lighting: 8 LED
- Adjustment: 3 pre-set positions (Extraoral, Intraoral, Macro)

- Freeze Frame with SOPRO Touch or pedal: (option)
- Angle of view: 70°
- Cable length: 2,5 m
- Dimensions (mm): L. 200 x W. 28 x H. 24
- Weight: 75 g

SOPRO LIFE

- High sensitivity: 1/4" CCD
- Resolution: (752x582) PAL ; (768x494) NTSC
- Lighting: White Mode: 4 LED; Blue Mode: 4 LED
- Adjustment: 4 pre-set positions (Extraoral, Intraoral, One tooth, Macro)

- Freeze Frame with SOPRO Touch or pedal: (option)
- Angle of view: 70°
- Cable length: 2,5 m
- Dimensions (mm): L. 200 x W. 30 x H. 24
- Weight: 78 g

SOPRO CARE

- High sensitivity: 1/4" CCD
- Resolution: (752x582) PAL ; (768x494) NTSC
- Lighting: 7 LED (4 white; 3 blue)
- Adjustment: 4 pre-set positions (Extra-oral, Intraoral, One tooth, Macro)

- Freeze Frame with SOPRO Touch or pedal: (option)
- Angle of view: 70°
- Cable length: 2,5 m
- Dimensions (mm): L. 200 x W. 30 x H. 24
- Weight: 78 g

DOCKING STATIONS

Mini Dock USB2

- One digital USB 2.0 output
- Dimensions (mm): L. 64,5 x W. 26 x H. 11
- Weight: 97 g.

Mini Dock U-USB2

- Power Supply: 5 VDC (from USB port)
- Power consumption: 2.5 VA
- One digital USB 2.0 output
- Dimensions (mm): L 48 x W 48 x H 30
- Weight: 22g

PSPIX²

SYSTEM

- Resolution: 20 lp/mm
- Scan Time (fast mode): 1,6s - 2,7s
- Scan Time (high definition mode): 2,1s - 3,6s
- Connection: Ethernet RJ-45
- Dimensions: L. 154 x D. 204 x H. 193 mm
- Weight: 2,6 kg
- Operating voltage: 100 - 240V ~ 50 - 60 Hz

IMAGING PLATES

- Dimensions IP Size 0: 22 x 35 mm
- Dimensions IP Size 1: 24 x 40 mm
- Dimensions IP Size 2: 31 x 41 mm
- Dimensions IP Size 3: 27 x 54 mm
- Dimensions IP Size 4 (3 x IP Size 3): 69 x 54 mm

SOPIX INSIDE & SOPIX² INSIDE

SIZE 1

- External dimensions: 25 x 39 mm
- Active surface area: 600 mm² (20 x 30 mm)
- Number of pixels: 1.50 million

SIZE 2

- External dimensions: 31 x 42 mm
- Active surface area: 884 mm² (26 x 34 mm)
- Number of pixels: 2.21 millions

SYSTEM

- Technology: .CMOS + scintillator+ optic fiber
- Pixel size: 20 µm x 20 µm
- Theoretical resolution: 25 lp/mm
- Connection: USB 2.0
- Total cable length for SOPIX²/SOPIX: 3.70 m
- Sensor cable length for SOPIX² INSIDE/SOPIX INSIDE: 0.70 m

WORKSTATION CONFIGURATION

WINDOWS® MINIMUM CONFIGURATION REQUIRED

- Operating system ..... Windows® 7
- Processor ..... Quadcore 2.6 Ghz
- RAM ..... 4 GB
- Hard disk ..... 300 GB
- USB ports ..... 2 USB 2.0 Hi-Speed ports
- Graphic card ..... OpenGL 2.1 or better alternatively DirectX 9 or 11 Graphics Device
- USB Chipset ..... Intel® or NEC® / RENESAS®
- Screen resolution ..... 1600 x 1024
- Ethernet board ..... 100 Mbps - 1 Gbps

WINDOWS® RECOMMENDED CONFIGURATION

- Operating system ..... Windows® 10
- Processor: ..... Quadcore 2.6 Ghz+
- Ram: ..... 8 GB
- Hard disk ..... 1 TB
- USB ports ..... 4 USB2 Hi-Speed ports
- Graphic card ..... Dedicated graphics card with at least 1 GiB memory
- USB Chipset ..... Intel® or NEC® / RENESAS®
- Screen resolution ..... 1920 x 1080 for optimal planning or better
- Ethernet board ..... 1 Gbps

MAC® MINIMUM CONFIGURATION REQUIRED

- Computer ..... MacBook® Pro 13.3" or iMac® 21.5"
- Operating system ..... 10.12 Sierra
- Processor ..... Quadcore 2.6 Ghz
- RAM ..... 4 GB
- Ethernet board ..... 1 Gbps

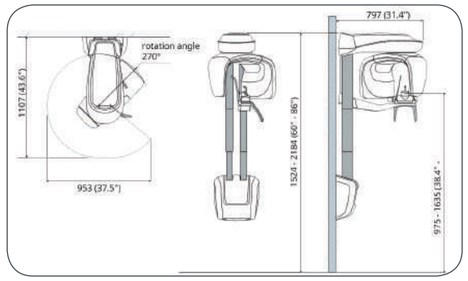
MAC® RECOMMENDED CONFIGURATION

- Computer ..... iMac® 27"
- Operating system ..... 10.14 Mojave
- Processor ..... Quadcore 2.6 Ghz+
- RAM ..... 8 GB
- Ethernet board ..... 1 Gbps

For Yosemite and El Capitan operating systems, a Mac® computer from 2013 or later is required.

	X MIND AC	X MIND DC	X MIND unity
Classification	Electromedical equipment, Class 1 type B		
Supply voltage	115 V / 220 V / 230 V - monophase 50/60 Hz	115 - 230 V - 50/60 Hz	100 – 240 V
Power absorption at 230 V	0,8 kVA	1,4 kVA	0,85 kVA
X-ray tube voltage	70 kV	60-70 kV	60kV / 65kV / 70kV
Anodic current	8 mA	4 - 8 mA	4-7 mA
Focal spot	0,7 mm		0,4 mm
Total filtration	Equivalent to 2.3 mm Al at 70 kV		> 2.2 mm Al at 70 kV
Rayonnement de fuite	< 0,25 mGy / h		
Technology	AC	DC	High frequency DC
Timer	from 0.08 to 3.2 seconds	from 0.02 to 3.2 seconds	from 0.02 to 2 seconds
Weight of the head	9 kg	5,5 kg	5.5 kg
Total weight	28 kg	25 kg	23 kg
Options	Circular cone ø 60 mm ..... 20 cm (8") Rectangular cone 45 x 36 mm ..... 31 cm (12") Arm ..... 0.40 m ou 0.80 m ou 1.10 m		
	Ceiling arm ..... Ref. Faro Ø 35 mm – length 1.70 m or 1.30 m Unit arm ..... Ref. Faro Ø 60 mm or Ø 50 mm Mobile ..... Height 1.10 m, length 0.80 m, width 0.70 m		
Mobile stand for Unity	Second control button with remote exposure switch RX indicator light for external use Adaptable mounting wall plate (only for X-MIND unity) Mobile stand (only for X-MIND unity)		

X MIND prime

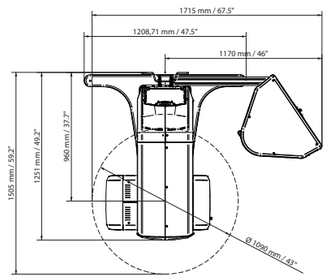


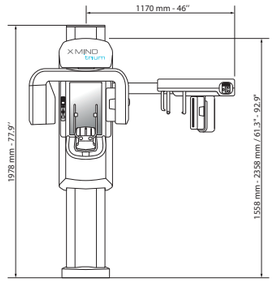
	X-Mind prime 2D	X-Mind prime 3D
	X-RAY SOURCES	
Tube type	D-058 (Toshiba)	OPX 105-12 (CEI)
Total filtration	2.0 mm Al eq. @ 70 kVp	≥ 2.5 mm Al eq. @ 86 kVp
Tube voltage	60 - 70 kV	60 - 86 kV
Anodic current	2-7.1 mA	2-12.5 mA
Focal spot	0.5 mm	0.5 mm
	SENSOR	
Type	CCD	CMOS Flat panel
Pixel size	48 µm	120 µm
Voxel size	n.a.	87.5 µm minimum
	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	62 kgs	67 kgs
	IEC	
Class & Type	Class I with type B applied parts according to IEC 60601-1 classification	

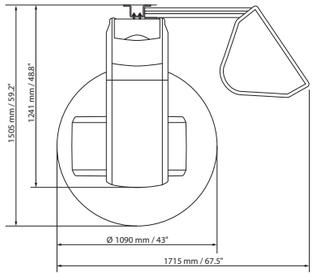
** Not available in Canada, where these volumes are limited to 80 x 80 mm or 80 x 50 mm.*

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

X MIND trium







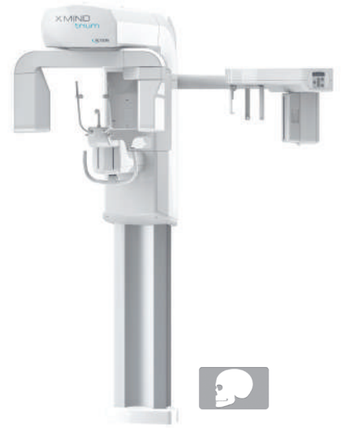
	PANORAMIC	CBCT	CEPHALOMETRIC
X-RAY SOURCE			
Tube type	Générateur DC haute fréquence		
Total filtration	2.8 mmAl / 85 kV	7.0 mmAl / 90 kV	2.8 mmAl / 85 kV
Operation mode	Continu	Pulsé	Continu
Tube voltage	60 - 85 kVp	90 kVp	60 - 85 kVp
Anodic current	4 - 10 mA	4 - 10 mA	4 - 10 mA
Focal point	0,5 mm	0.5 mm	0,5 mm
DETECTOR			
Type	CMOS	CMOS plat	CMOS
FOV and format	260 x 120 mm	ø 40 x 40 mm, ø 60 x 60 mm, ø 80 x 80 mm, ø 110 x 80 mm	250 x 200 mm
Pixel size/Voxel size	Pixel: 100 µm	Voxel : 75 µm	Pixel: 100 µm
ACQUISITION			
Technique	180° single scan	Numérisation unique 360 °	Single scan
Exposure time	3.3 s - 13.5 sec	6 - 9 s	18 sec
Scanning time	16,8 sec - 22,5 sec	12 - 30 sec	23 sec
Programs	Standard, child, improved orthogonality panoramic, bitewings, maxillary sinus, TMJ	Semi-arc, arc, arc complet, sinus, oreille	Frontal PA, Frontal AP, option: Carpus
Reconstruction time	3 sec	from 15 sec	4 sec
IMAGE FORMAT			
	JPEG, BMP, PNG, TIFF, DCM	DCM, STL	JPEG, BMP, PNG, TIFF, DCM
MECHANICAL DATA			
Max footprint dimensions	L 150 x W 110 cm	L 150 x W 110 cm	L 150 x W 172 cm
Height	Max : 235 cm		
Weight	230 kg (PAN)	240 kg (PAN-CBCT)	280 kg (PAN-CEPH)
IEC			
Class and Type	Classe I, Type B		

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)
DICOM 3.0 (OPTIONAL)			
Supported services	Worklist, Storage, Query/Retrieve, Print, Verify		

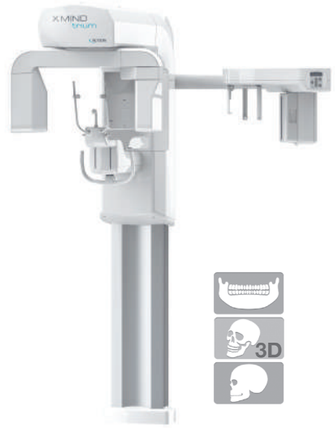
X-Mind® trium Pan

X-Mind® trium Pan 3D

	X-Mind® trium Pan	X-Mind® trium Pan 3D
Pan	●	●
3D	○	●
Ceph	○	○



X-Mind® trium Pan Ceph



X-Mind® trium Pan Ceph 3D

	X-Mind® trium Pan Ceph	X-Mind® trium Pan Ceph 3D
Pan	●	●
3D	○	●
Ceph	○	○

X-Mind® prime Pan

X-Mind® prime Pan 3D

	X-Mind® prime Pan	X-Mind® prime Pan 3D
Pan	●	●
3D	○	●

● : Available option