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

For more information, please contact:
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ACTEON

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
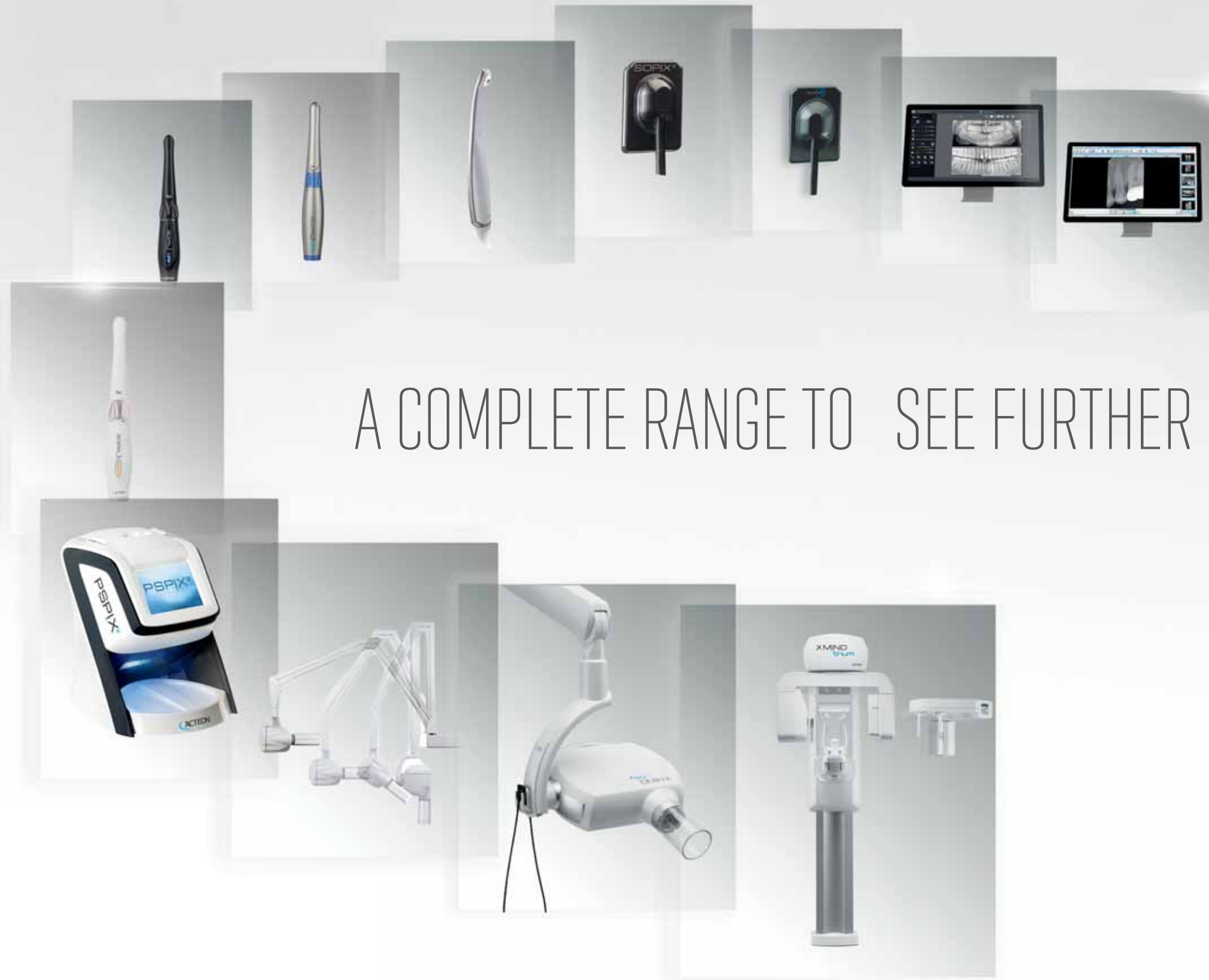
SOPRO 617

COMMUNICATE

WITH YOUR PATIENTS:

USE AN IMAGE, THE KEY TO EDUCATION AND CASE ACCEPTANCE
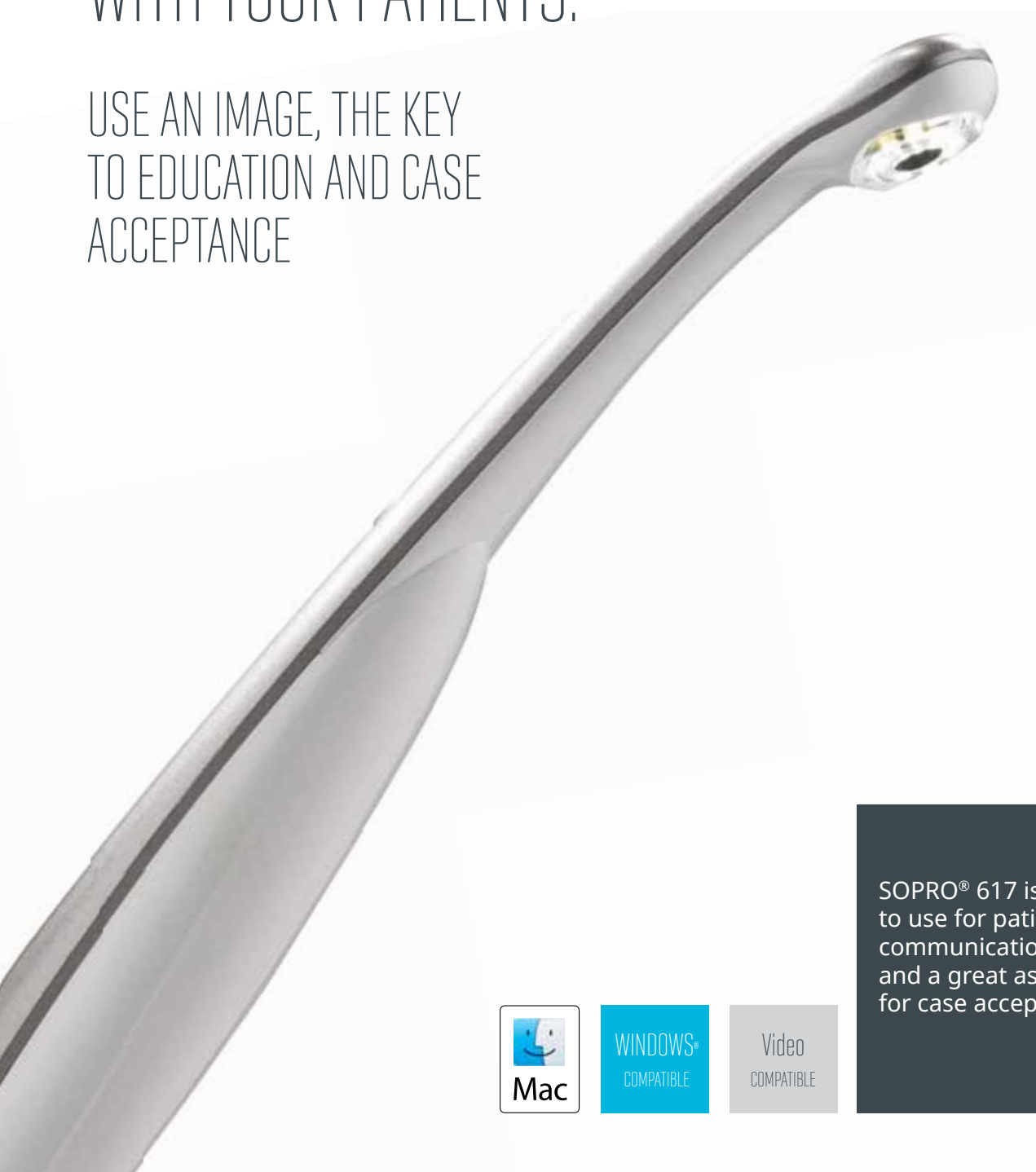
SOPRO® 617 is easy to use for patient communication, and a great asset for case acceptance.

Mac

WINDOWS® COMPATIBLE

Video COMPATIBLE
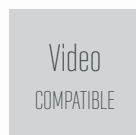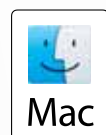
Simplicity in the palm of your hand

• Rounded shape and thin distal part for maximum accessibility and unrivalled patient comfort

• 105° 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!

SOPRU 717 FIRST

MACROVISION
REVEALS WHAT WAS ONCE INVISIBLE

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

Mac

WINDOWS®
COMPATIBLE

Video
COMPATIBLE

Magnification of the image up to 115 times*

• Large depth of field from extraoral to macrovision

• Exceptional image quality provided by a highly 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

9

SOPRO◯LIFE

AUTOFLUORESCENCE
HIGHLIGHTS DECAY AND PROMOTES MINIMALLY INVASIVE TREATMENT
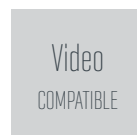
SOPROLIFE® is a revolutionary camera that differentiates between healthy and infected tissue facilitating less invasive treatments.

Mac

WINDOWS® COMPATIBLE

Video COMPATIBLE

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).
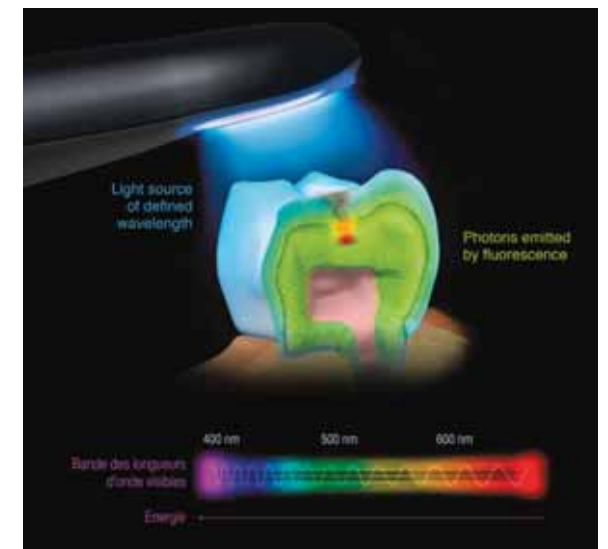
Enhance clinical examination capabilities and perform less invasive treatment

DAYLIGHT mode
► Initial situation
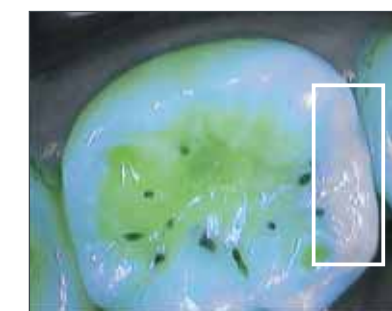
DIAGNOSTIC aid mode
► Demineralization over the mesial marginal crest revealed

DAYLIGHT mode
► Opened cavity

TREATMENT aid mode
► Demineralized enamel and infected tissue

TREATMENT aid mode
► All the infected tissue has been removed

SOPRO CARE

SELECTIVE CHROMATIC AMPLIFICATION

DIFFERENTIATES THE COLOUR OF TISSUE AND REVEALS ORAL HYGIENE PATHOLOGIES
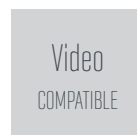
With the push of a button, SOPROCARE® instantly and easily highlights caries, plaque, calculus and gingival inflammation.

WINDOWS® COMPATIBLE

Video COMPATIBLE

Mac

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!

Old plaque
Severe inflamation
New plaque
Slight inflamation
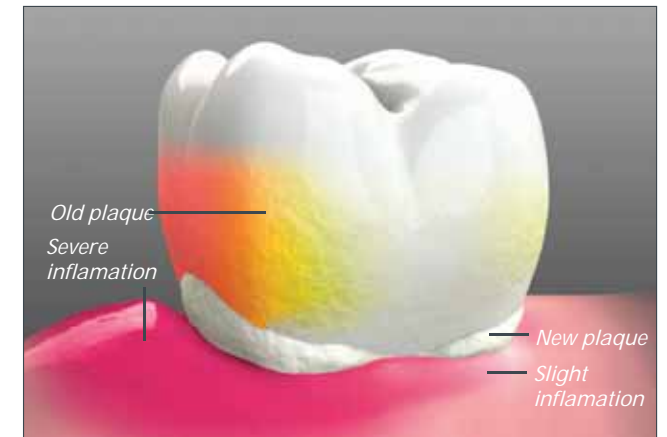
Chromatic mapping representing the characterization of tissues in PERIO mode

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

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.

Scintillator

Fibre optics

High resolution CMOS sensor

Electronics

2FIBER®
PIXEL

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.

Scale 1

Size 2
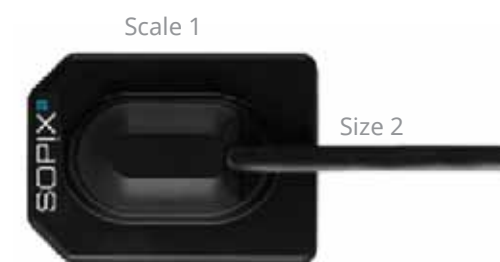
No more overexposed images

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!
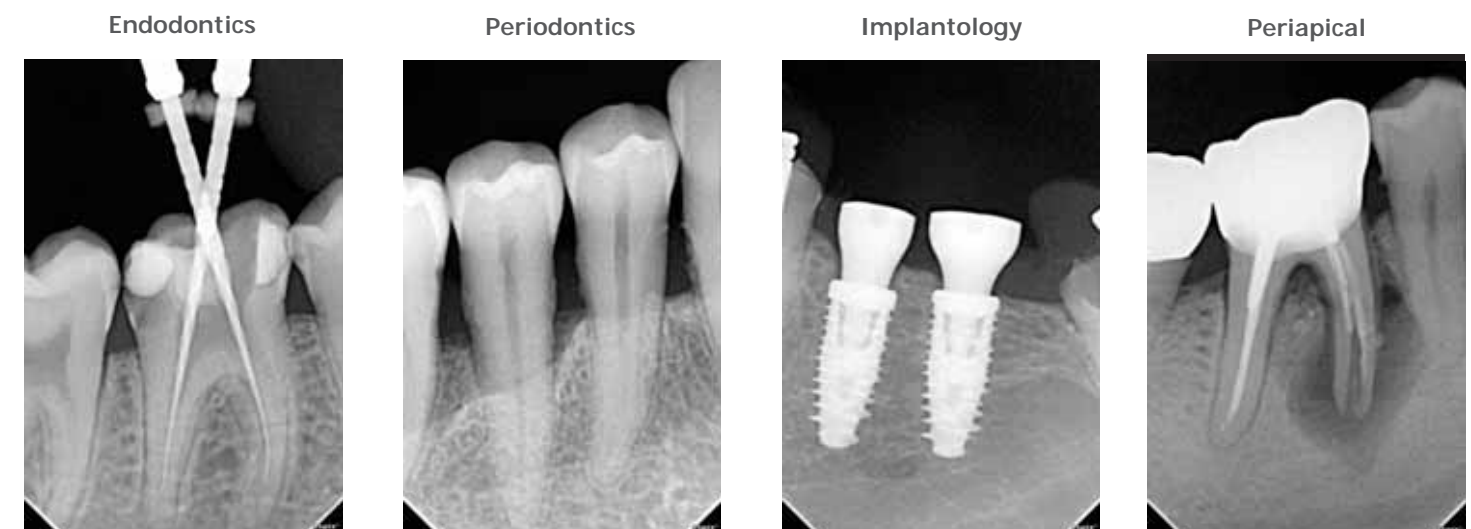
Size 1

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

Mac

WINDOWS®
COMPATIBLE

Endodontics

Periodontics

Implantology

Periapical

STOP
EXCESSIVE RADIATION

SOPIX² inside SOPIX inside
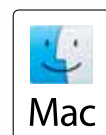
Patient and staff are protected from excessive radiation thanks to the unique communication between the X-Mind® unity and SOPIX® inside.

Mac
WINDOWS®
COMPATIBLE

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**.

Ace technology

End of image acquisition with SOPIX² and SOPIX inside

SOPIX inside + X MIND unity

X-Rays Exposure

Stop excessive radiation
End of X-rays exposure from X-Mind unity

SOPIX + Other X-Ray Intraoral Generator

X-Rays Exposure

Excessive X-Rays

End of X-rays exposure

Competitor sensor + X-Ray Intraoral Generator

X-Rays Exposure

Excessive X-Rays

Overexposed image

ms
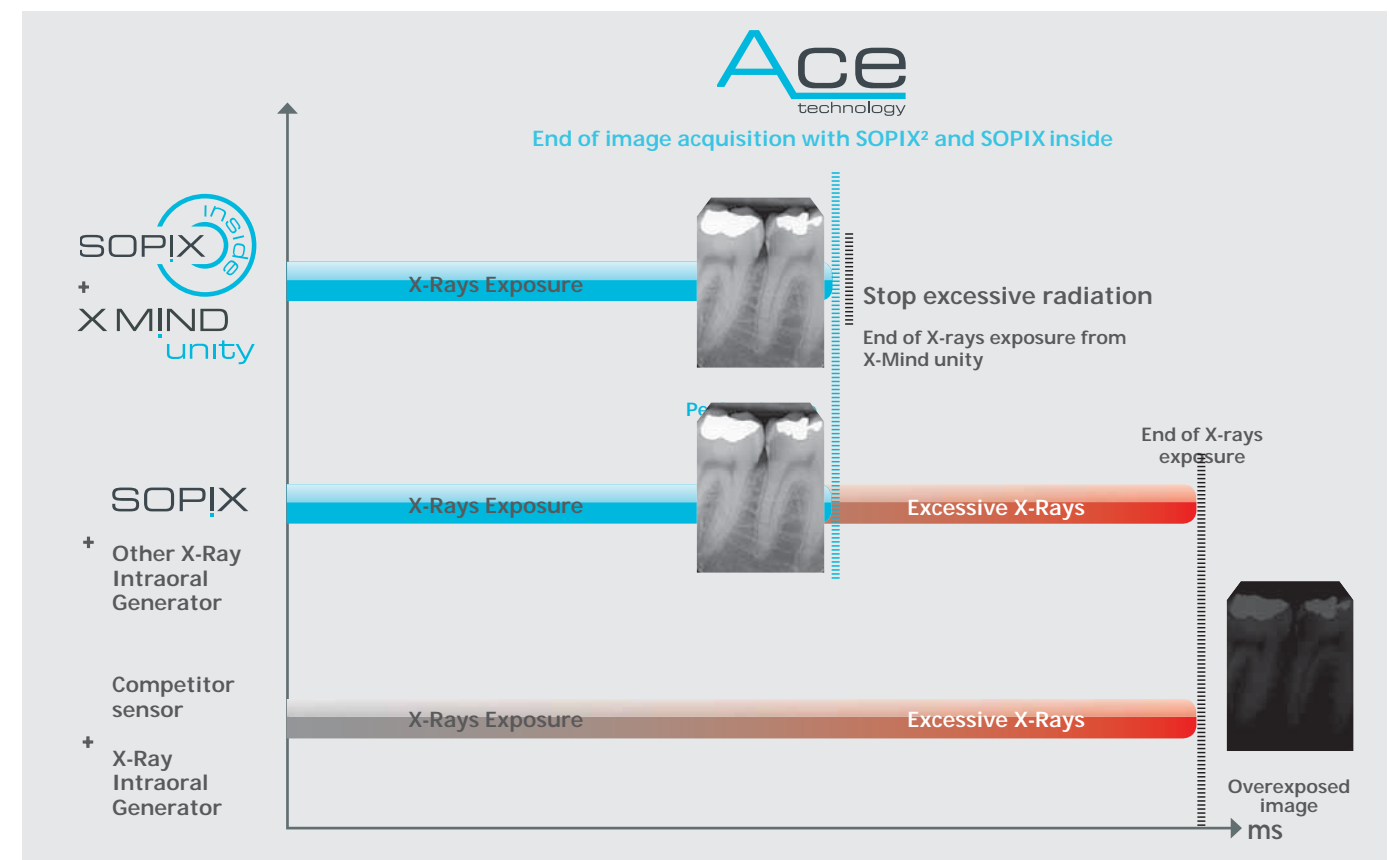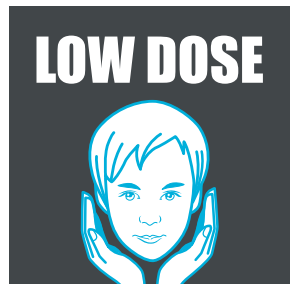
Exclusive traceability

SOPRO Imaging 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**.

PSPIX²

THE FIRST PERSONNAL
IMAGING PLATE SCANNER
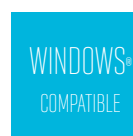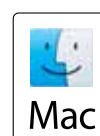
PSPIX² provides streamline workflow with images in seconds: drop your imaging plate in the PSPIX² and let it do the rest!

Mac

WINDOWS®
COMPATIBLE

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.


Imaging plate
Laser
Fibre optics
Sensor

2FIBER®
PIXEL

Periodontics	Endodontics	Orthodontics	Pedodontics
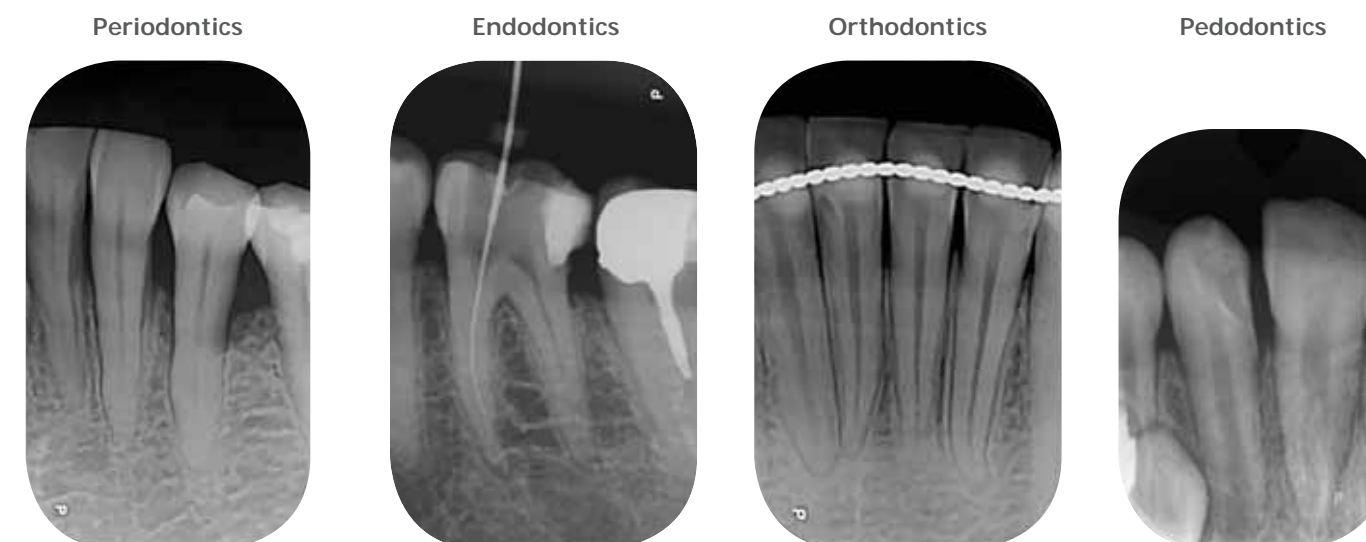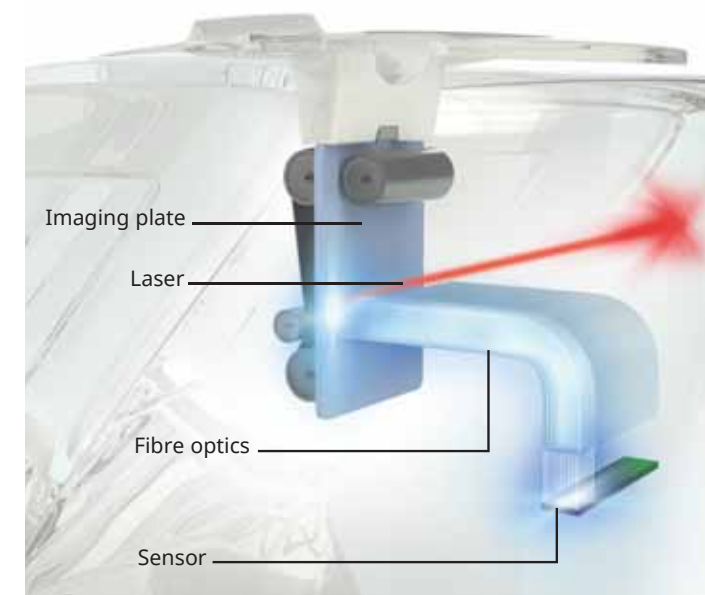
Improved patient experience with **various sizes** of **thin and flexible imaging plates**.

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

X MIND DC

EASY AND SMART
INTRAORAL SYSTEM FOR HIGH QUALITY REQUREMENTS
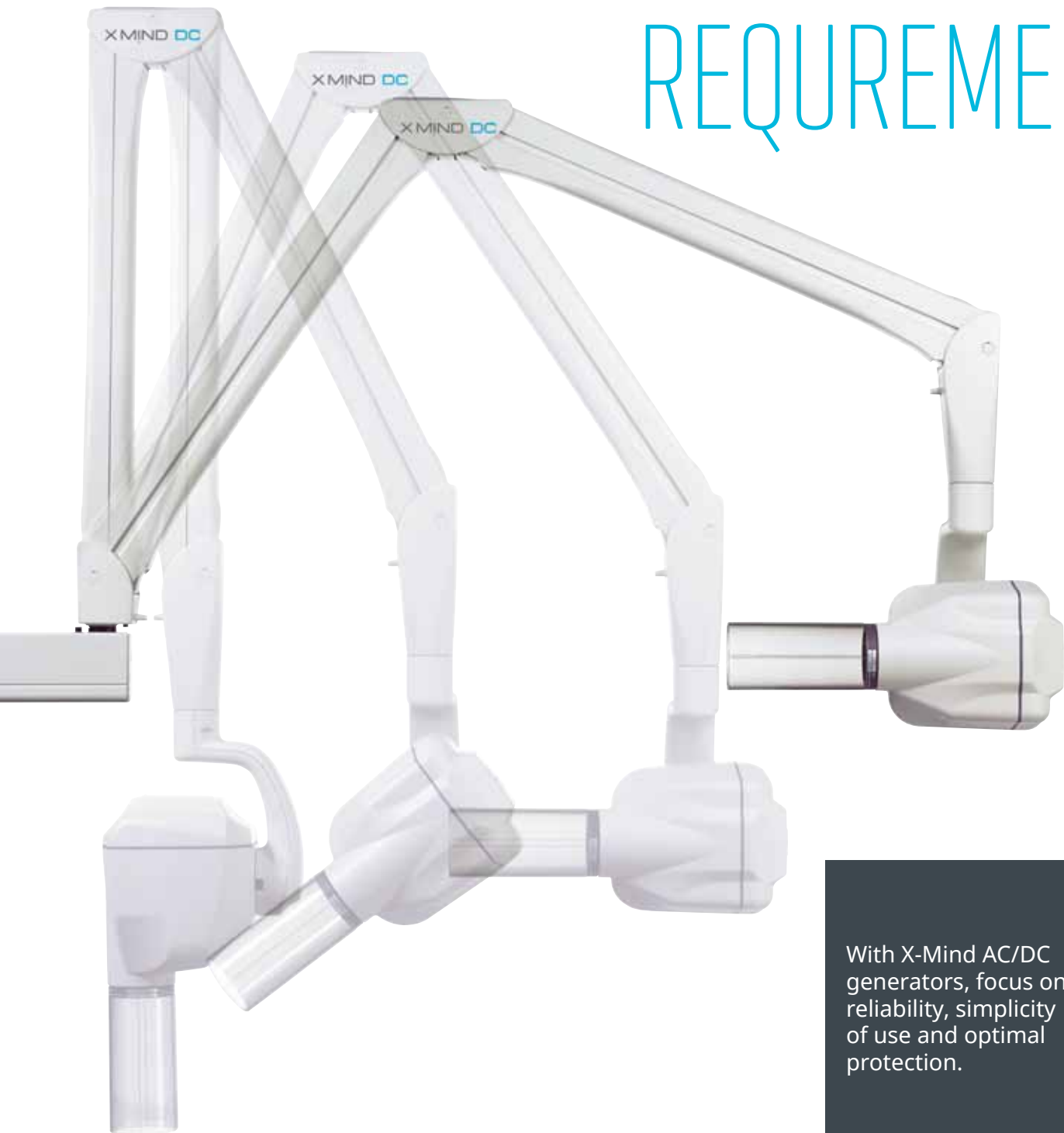
With X-Mind AC/DC generators, focus on reliability, simplicity of use and optimal protection.

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.

X MIND unity

X-RAY GENERATORS
X-Mind unity

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
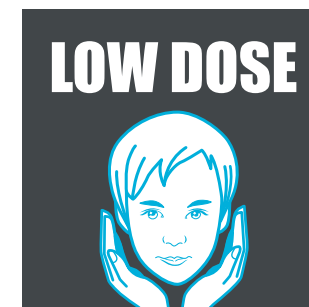
Stop excessive radiation with Ace technology

LOW DOSE

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 SOPRO Imaging file, thus ensuring permanent traceability.

* Reduction variable according to the patient's morphology.

X MIND
trium
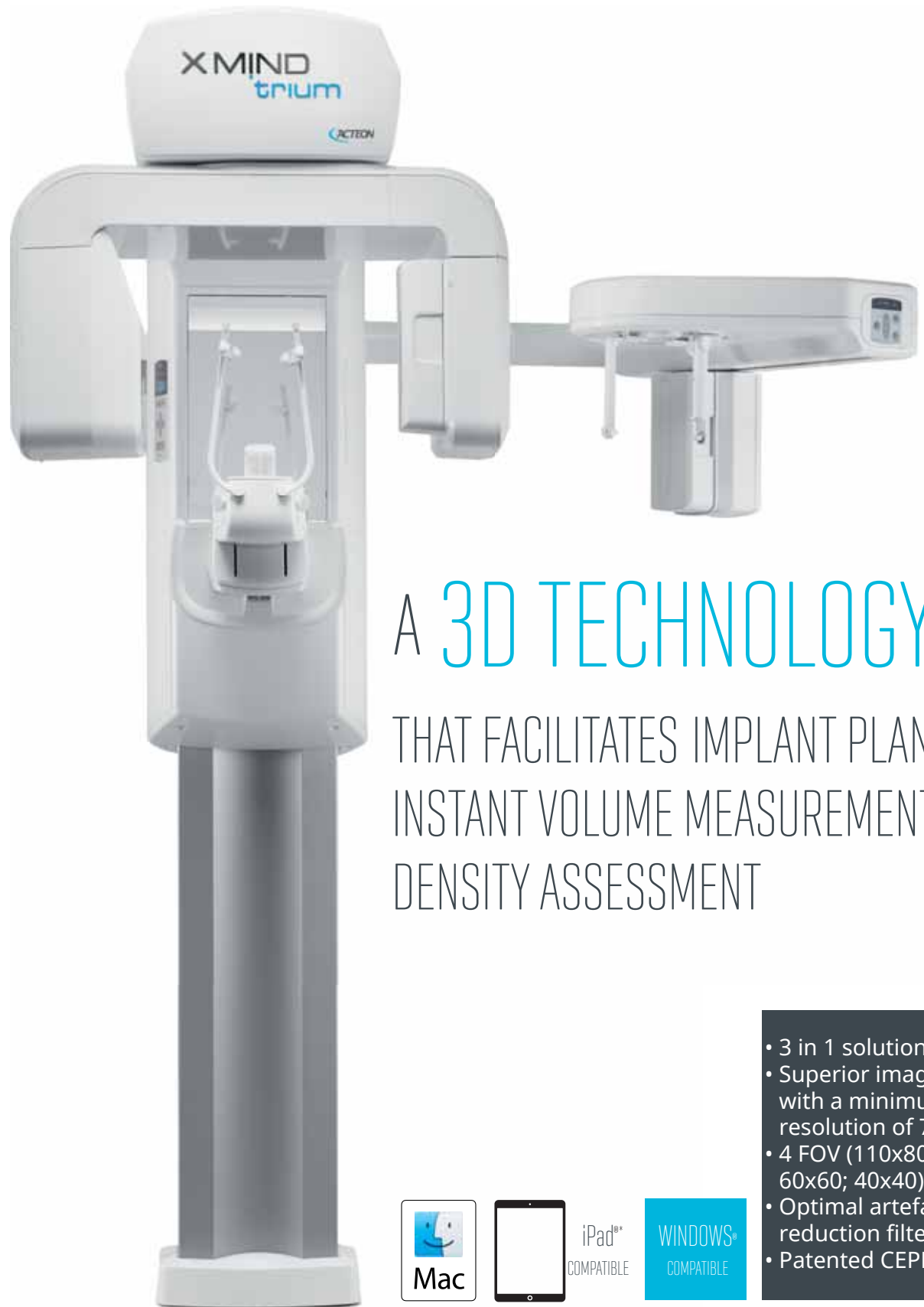
A 3D TECHNOLOGY

THAT FACILITATES IMPLANT PLANNING WITH INSTANT VOLUME MEASUREMENT AND BONE DENSITY ASSESSMENT

- 3 in 1 solution
- Superior image quality with a minimum resolution of 75 μm
- 4 FOV (110x80; 80x80; 60x60; 40x40)
- Optimal artefact reduction filter
- Patented CEPH module

Mac
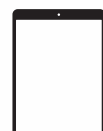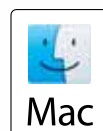
iPad®* COMPATIBLE

WINDOWS® COMPATIBLE

*Soon available

An outstanding image quality

The success of diagnosis and endodontic treatment has been greatly improved thanks to the resolution of 75 μm.

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 artefacts

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.
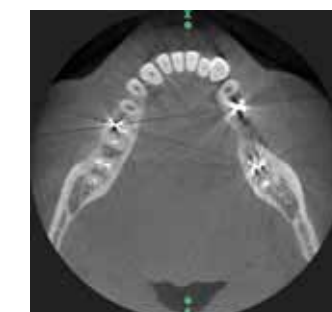
without filter

with filter

X MIND
trium
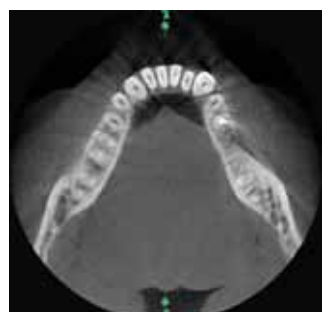
Simplified implant panning

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 images

Maxillary sinus

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

Cephalometric radiography

Full skull lateral

Posterior anterior
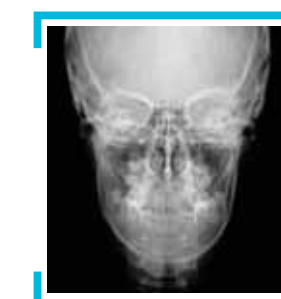
A QUALITY IMAGE
VIA AN INTERFACE THAT IS
SIMPLE, QUICK, INTUITIVE

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

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

Advanced functionalities for intuitive navigation

The ACTEON® Imaging Suite software offers intuitive navigation with the mouse and advanced functionalities . 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 key
- • Exported in STL format
- • Metal artefact reduction filter
- • Panoramic and cephalometric image detail optimisation filter
- • Ent module
- • Virtual endoscope
- • Integrates with various patient management software
- • Dicom compatible

Portability becomes obvious

iPad® compatible*

ACTEON® innovates once more by offering a unique iPad application for its CBCT X-Mind trium. A real technological breakthrough for dentist!

Soon available

SOPRO imaging

A POWERFUL
IMAGING SOFTWARE
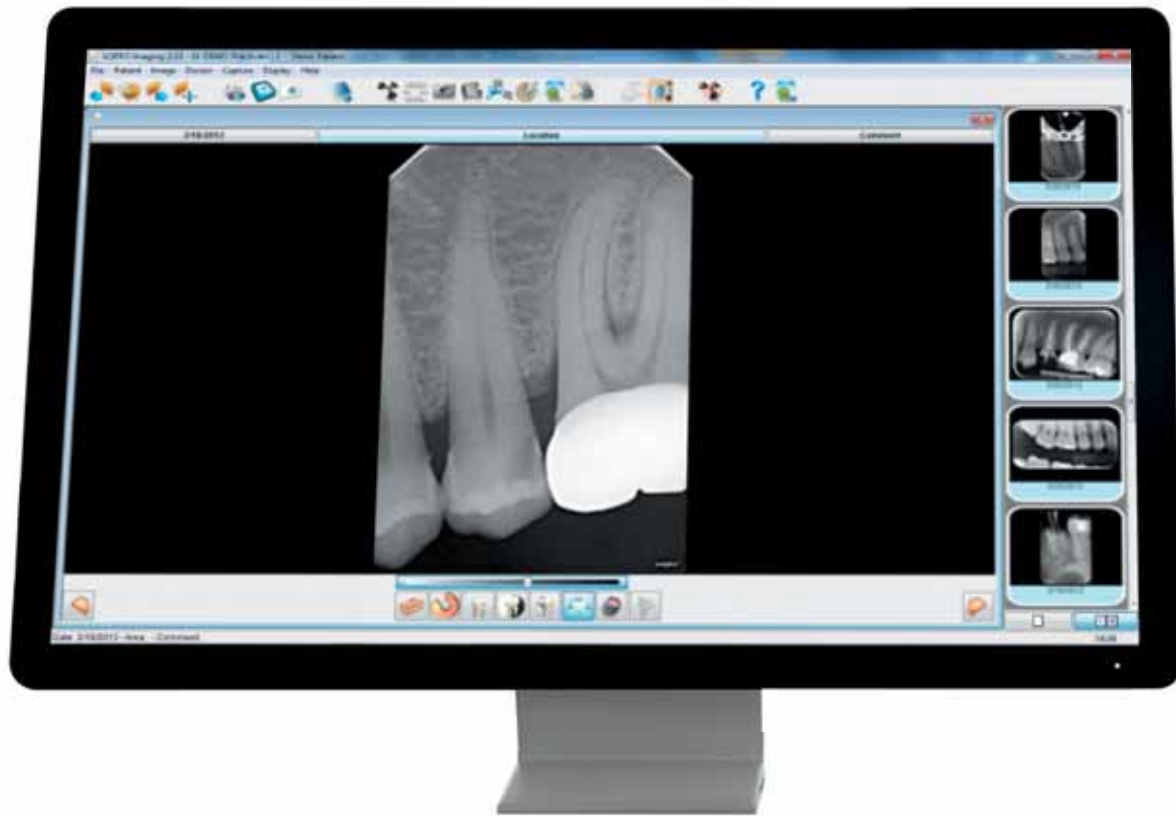
- Ergonomic and intuitive
- Available in 27 languages
- Compatible with Management software packages

Mac WINDOWS® COMPATIBLE TWAIN® COMPATIBLE
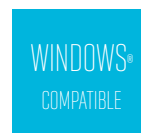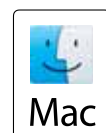
Complete and intuitive software

- Intuitive and multilingual software
- Simplified network integration
- Compatible with Management software packages
- Data base for both X-ray and intra-oral camera images

- Wide range of image processing tools
- Modules dedicated to ACTEON® Imaging devices
- Image and live movie capture
- Dental chart
- Status and status editor
- Drawing tools
- Implants library
- Twain acquisition
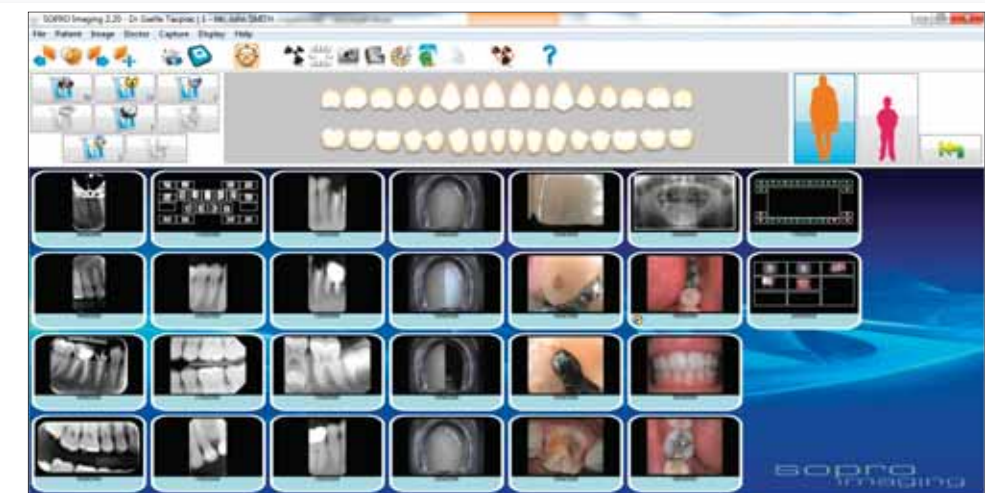
A unique communication with SOPIX inside and SOPIX² inside

By means of the unique communication between SOPIX² inside and X-Mind unity, a transfer of data occurs during each acquisition from the intraoral system to SOPRO Imaging.

Exposure times, dose savings, dose for area of irradiated tissues (DAP)... are stored for each image.

For each acquisition, the reduction in dose carried out compared to with a classic exposure is immediatly displayed on an energy bar.

Exclusive traceability

You can record and review the doses received by your patient.

A true revolution in terms of traceability in the field of intraoral radiology.

• Unique communication between X-Mind unity intraoral X-ray system and SOPIX² inside sensor through ACE technology
• Live display of the doses received by the patient (DAP) for each image
• Control of the dose reduction
• Exclusive traceability of the doses received by the patient

WINDOWS® COMPATIBLE

Enjoy the convenience and the ease of use of MAC OS with SOPRO Imaging for MAC

• Smart design for optimal ultimate professionalism

• User-friendly and intuitive software

• Available in 27 languages

• X-ray images acquisition through the digital sensors of the SOPIX and PSPIX ranges

• Colour image acquisition

• Patient database

• Wide range of image processing tools
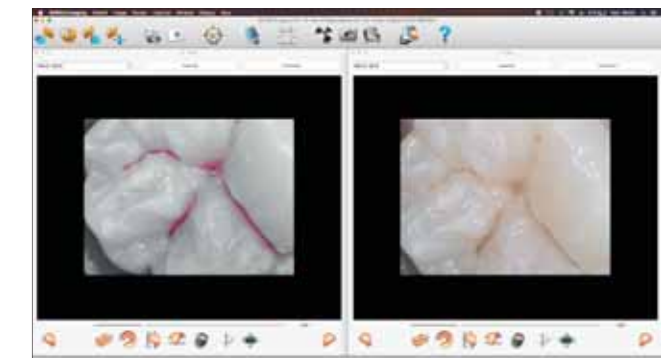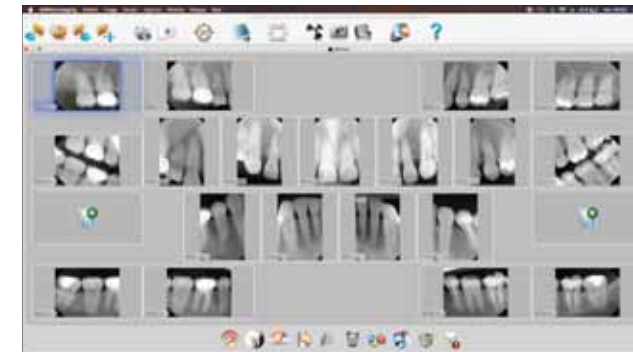
Note : The data transfer from the intraoral system X-Mind unity to SOPRO Imaging is not available on SOPRO Imaging MAC® version yet.

• User-friendly and smart design
• Compatible with all MAC versions
• Compatible with ACTEON® intraoral imaging devices

Mac

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

Dock M-Video
• Storage of one or four images
• Power supply: 115 V~60 H and 230 V ~ 50 Hz
• Power consumption: 9 VA
• One PAL or NTSC video output
• One PAL or NTSC S-video output
• Dimensions (mm): L. 145 x W. 130 x H. 35
• Weight: 245 g

Dock MU-Video
• Storage of one or four images
• Power supply: 24 V~; 50 Hz - 60 Hz
• Power consumption: 10 VA
• One PAL or NTSC video output
• One PAL or NTSC S-video output
• Dimensions (mm): L. 100 x W. 72 x H. 36
• Weight: 190 g

Dock M-USB2
• Storage of one or four images
• Power supply: 115 V~60 Hz and 230 V ~ 50 Hz
• Power consumption: 9 VA
• One PAL or NTSC video output
• One PAL or NTSC S-video output
• One digital USB 2.0 output
• Dimensions (mm): L. 145 x W. 130 x H. 35
• Weight: 245 g

Dock MU-USB2
• Storage of one or four images
• Power supply: 24 V~; 50 Hz - 60 Hz
• Power consumption: 10 VA
• One PAL or NTSC video output
• One PAL or NTSC S-video output
• One digital USB 2.0 output
• Dimensions (mm): L. 100 x W. 72 x H. 36
• Weight: 190 g

Dock USB2
• One digital USB 2.0 output
• Dimensions (mm): L. 100 x W. 46 x H. 20
• Weight: 165 g.

Dock U-USB2
• Power supply: 24 V~; 50 Hz – 60 Hz
• Power consumption: 15 VA
• One digital USB 2.0 output
• Dimensions (mm): L. 50 x W. 75 x H. 36
• Weight: 76 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

	X MIND AC	X MIND DC	X MIND unity
Classification	Electromedical equipment, Class 1 type B		
Supply voltage	220/230/240 V - monophase 50/60 Hz	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	New Toshiba DG 073B	New Toshiba DG 073B	Toshiba D-041 5
X-ray tube voltage	70 kV	60-70 kV	60kV / 65kV / 70kV
Anode current	8 mA	4 - 8 mA	7 mA
Focal spot	0,7 mm		0,4 mm
Total filtration	Equivalent to 2 mm Al at 70 kV		> 1.5 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	6 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		
Accessoires	Second control button with remote exposure switch RX indicator light for external use Adaptable mounting wall plate		

WORKSTATION CONFIGURATION

WINDOWS® MINIMUM CONFIGURATION REQUIRED

- Operating system...Windows® 7 SP1
- Processor.. Intel® Core 2 duo - 3GHz
- RAM ....2 GB
- Hard disk .... 250 GB
- USB ports... 4 USB2 Hi-Speed ports
- Graphic card..................................512 MB RAM unshared memory compatible DirectX 9
- USB Chipset...Intel® or NEC® / RENESAS®
- Screen resolution ....1280 x 1024
- Ethernet board .... 100 Mbps - 1 Gbps

WINDOWS® RECOMMENDED CONFIGURATION

- Operating system...Windows® 10
- Processor..Intel® Core i5
- RAM ....4 GB
- Hard disk .... 1 TB
- USB ports... 4 USB2 Hi-Speed ports
- Graphic card...Chipset Nvidia® or ATI® 2 GB unshared memory compatible DirectX 9 or more
- USB Chipset...Intel® or NEC® / RENESAS®
- Screen resolution ....1280 x 1024 or more
- Ethernet board ....1 Gbps

MAC® MINIMUM CONFIGURATION REQUIRED

- Computer .... MacBook® Pro 13.3" or iMac® 21.5"
- Operating system.. OS X Mavericks
- Processor... Intel® Core 2 Duo
- RAM ....2 GB
- Ethernet board ....1 Gbps

MAC® RECOMMENDED CONFIGURATION

- Computer .... iMac® 27"
- Operating system....................................... OS X El Capitan or later
- Processor..Intel® Core i7
- RAM ....4 GB
- Ethernet board ....1 Gbps

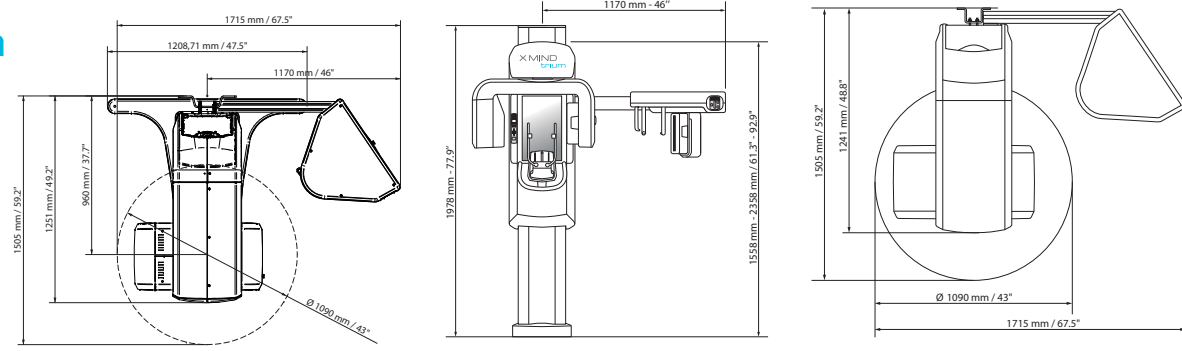For Yosemite and El Capitan operating systems, a Mac® computer from 2013 or later is required.

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 - 12 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 148 mm	ø40 x 40 mm, ø60 x 60 mm, ø80 x 80 mm, ø110 x 80 mm	240 x 180 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	4 - 12 s	18 sec
Scanning time	16.8 sec - 25 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	29 s	4 s
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 172 cm
Height	Max : 235 cm		
Weight	170 kg (PAN)	185 kg (PAN-CBCT)	215 kg (PAN-CEPH)
IEC			
Class and Type	Classe I, Type B		
IMAC® OU MACBOOK® PRO		**WINDOWS® WORKSTATION** (included with CBCT)	
CPU	Intel i5		Intel Xeon 2 GHz
Hard Disk	500 Go		1 TB
Graphic Processor	NVIDIA ou ATI 1 Go		NVIDIA® (CUDA environment GPU family)
RAM Memory	8 GB		8 GB
Network card	1 Gb/s		Dedicated GB NIC for X-Mind trium connection
Operating System	OS X Mavericks or later		Windows 7 professionnel 64 bits
TABLET			
Version	iPad Pro 9.7", 32 Go, WIFI		
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	●	●