TECHNICAL SPECIFICATIONS

Size 1

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

Size 2

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

SOPIX / SOPIX inside system

Technology .....CMOS + scintillator+ optic fibre
Pixel size.....20µm x 20µm
Theoretical resolution 25lp/mm
Real resolution .....>12lp/mm
Supplied imaging software.....Sopro Imaging
TWAIN module .....Yes

SOPIX² / SOPIX² inside system

Technology ..... CMOS + scintillator + optic fibre
Pixel size.....20µm x 20µm
Theoretical resolution 25lp/mm
Real resolution .....>18lp/mm
Supplied imaging software..... Sopro Imaging
TWAIN module ..... Yes

SOPIX / SOPIX² USB connection

Connection..... USB 2.0
Total cable length 3.70m

SOPIX inside / SOPIX² inside USB connection

Connection.....USB 2.0
Sensor cable length..... 0.70m

Windows® minimum configuration required

Operating system ..... Windows 7 SP1
Processor ..... Core 2 duo - 3GHz
RAM 2GB
Hard disk..... 250GB
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

Windows® recommended configuration

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

Mac® minimum configuration required

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

Mac® recommended configuration

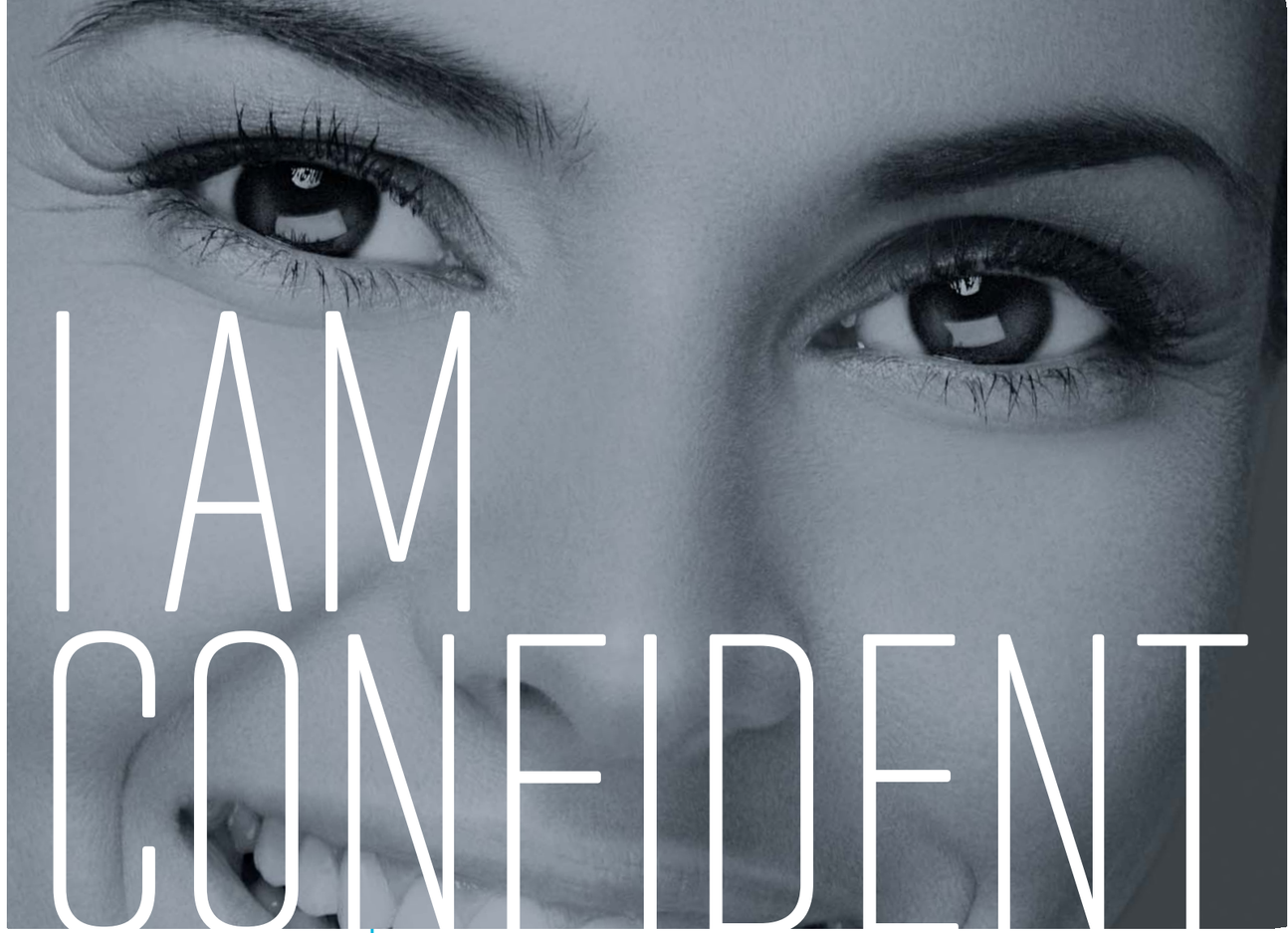
Computer..... iMac 27"
Operating system ..... Mac OS X El Capitan
Processor .....Intel Core i7
RAM 4GB

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

Note: In the case of SOPIX inside and SOPIX² inside, the IEC 60601-2-65 norm requires for each X-Ray intraoral system with an onboard digital sensor to use a square collimator.
Note: The data transfer from the intraoral system X-Mind unity to Sopro Imaging is not available on Sopro Imaging Mac version yet.

The medical devices for dental care SOPIX Series are of class IIa and manufactured by SOPRO, notified body LNE/GMED, X-Mind unity is of class IIb and manufactured by DE GOTZEN, notified body DNV - CE 0434. These medical devices are not refunded by health insurance organizations. Read carefully the instructions on the labelling before use.

WINDOWS® COMPATIBLE
Mac



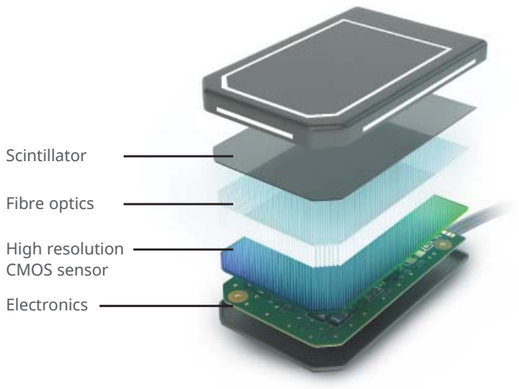
SOPIX SERIES

A successful X-ray every time with minimal exposure to radiation

Ace technology

ACTEON

STRIKING CONTRAST FOR A MORE RELIABLE DIAGNOSIS



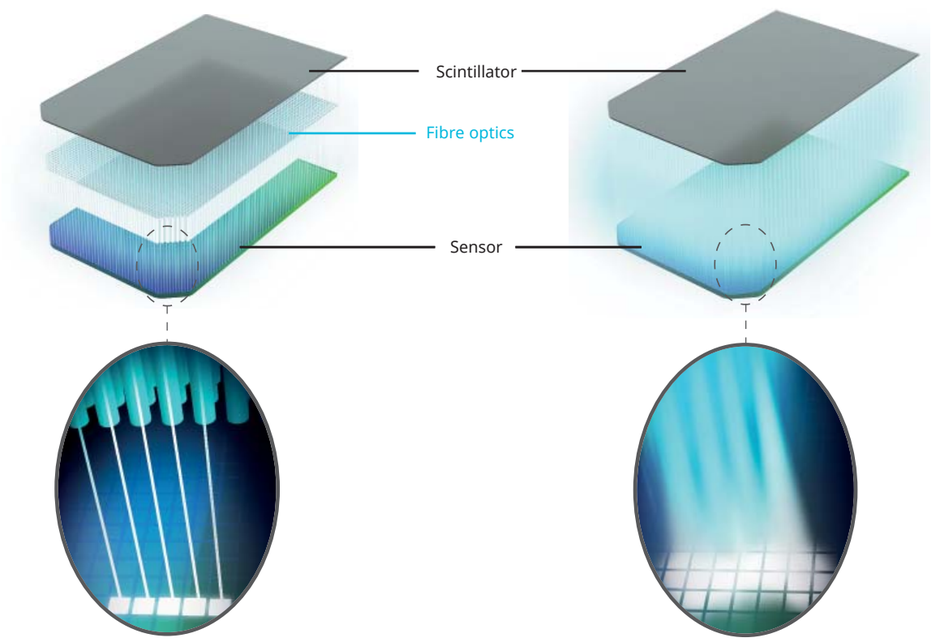
MORE INVENTIVE

Better differentiation of the dental tissue

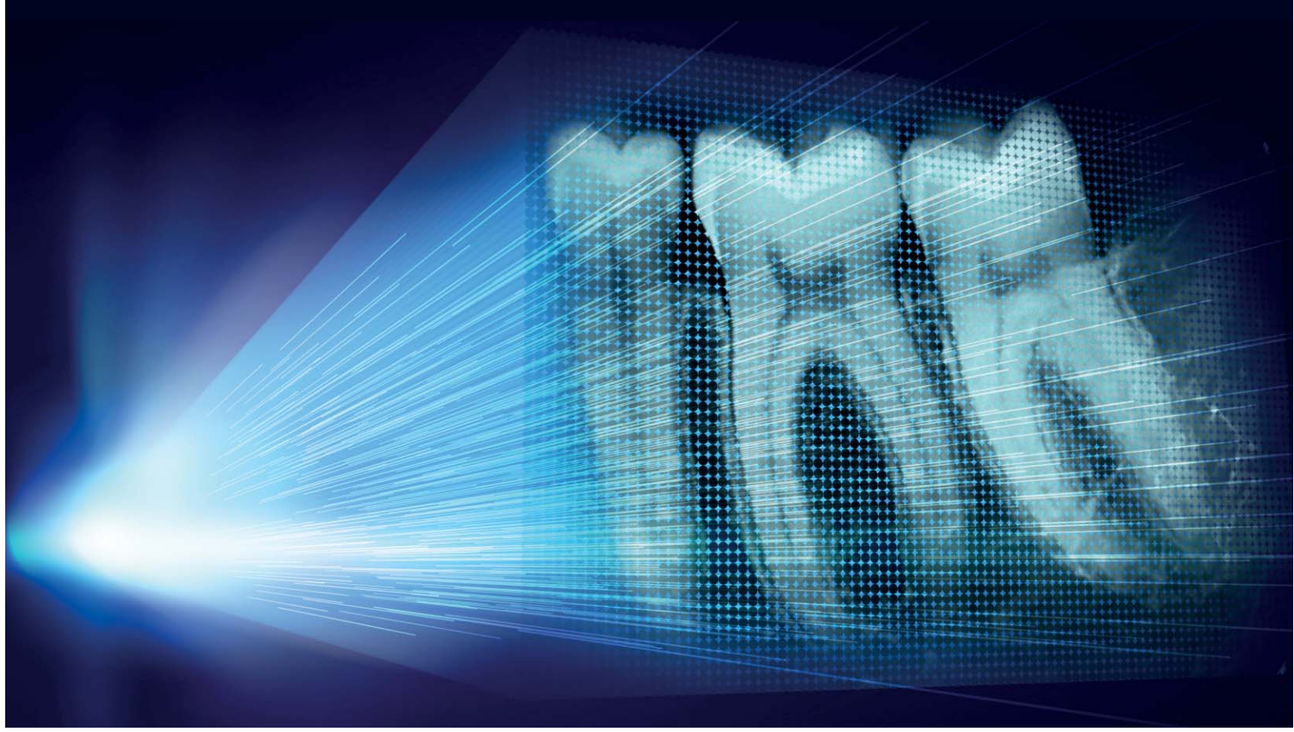
SOPIX® sensors surpass the limits of radiological examinations by offering **greater differentiation of dental tissue.**

This technological achievement is called **FIBER2PIXEL®**.

WITH FIBRE - FIBER2PIXEL®



WITHOUT FIBRE



2FIBER PIXEL

Differentiation of the dental tissue

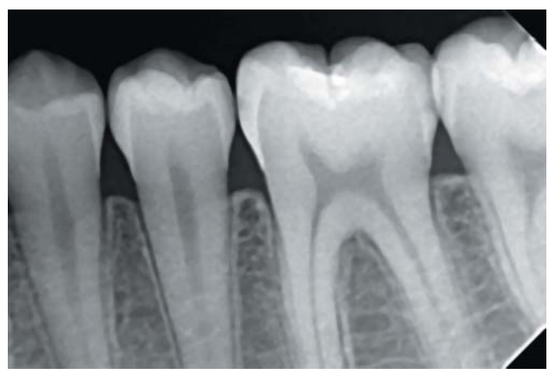
FIBER2PIXEL® technology is based on the use of **broad spectrum optical microfibres** for the guided transmission of photon emissions in order to provide **highly contrasted images.**

LESS INVASIVE

A more reliable diagnosis

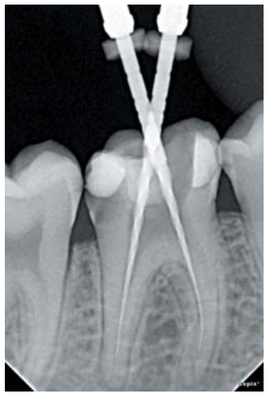
The different tooth anatomic structures, such as the bone, roots, pulp... are highlighted with **extreme precision** on the image.

Your diagnosis is **faster** and **more accurate**!



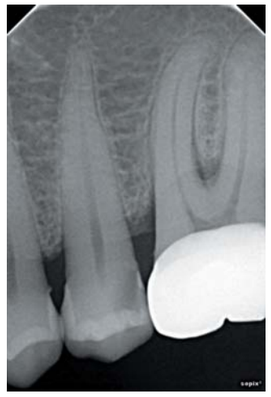
THE PERFECT FIT TO YOUR CLINICAL APPLICATIONS

Endodontics



Pedodontics

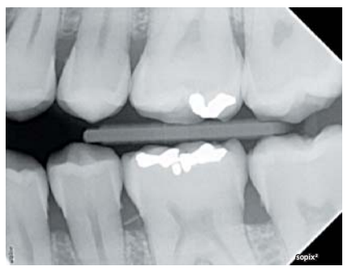
Cariology



Periodontics

Periapical

Bitewing



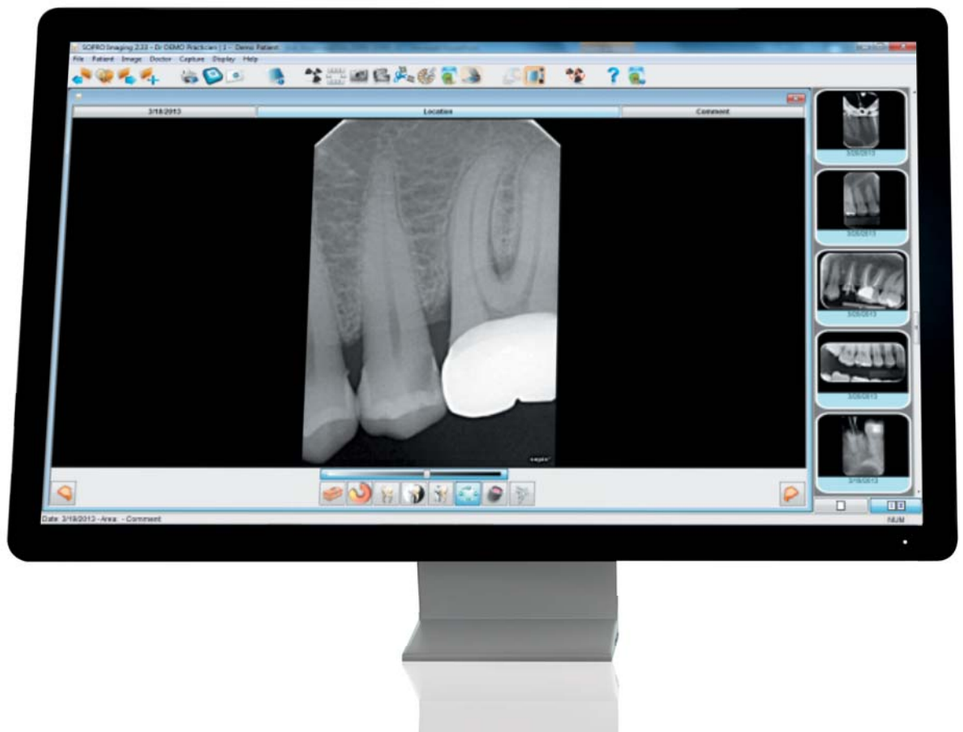
Implantology

HIGH-QUALITY IMAGES

With **FIBER2PIXEL®** technology, SOPIX® sensors provide **accurate images** and **striking contrast** to ensure a **reliable diagnosis**.

DESIGNED FOR YOUR PRACTICE

Two sizes are available depending on **patient morphology** and **clinical applications.**



SOPRO IMAGING, A POWERFUL IMAGING SOFTWARE

Extremely user-friendly, SOPRO® Imaging software offers **advanced X-ray image processing tools**.

SOPRO Imaging is delivered with each SOPIX and is compatible Windows® and Mac®.

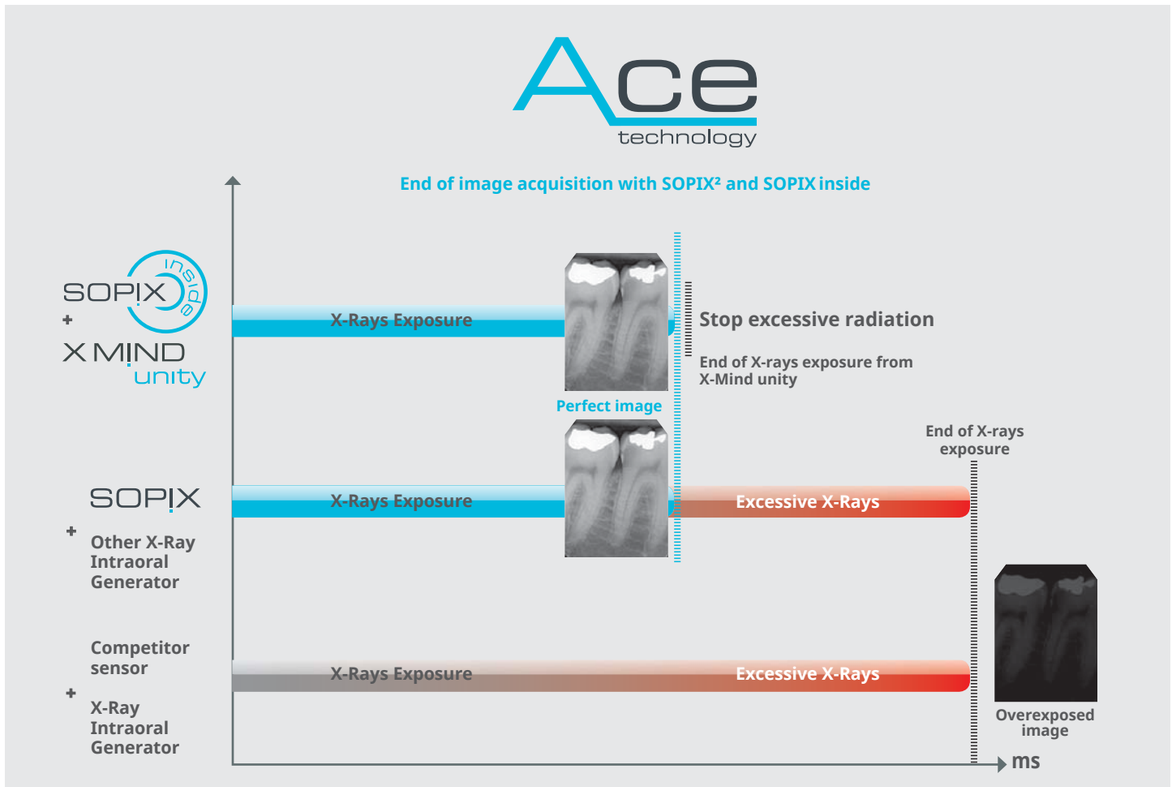
A QUALITY IMAGE EVERYTIME WITH MINIMAL EXPOSURE TO RADIATION

CUTTING EDGE TECHNOLOGY

Available in all SOPIX® series sensors, patented Ace technology (Automatic control exposure) analyses in real-time, the amount of X-rays accumulated by the sensor.
It automatically freezes the image acquisition as soon as the sensor receives the radiation required to produce the perfect image.

Eliminate the risk of over exposing the image!

Combined with the X-Mind® unity intraoral X-ray generator, SOPIX inside with ACE technology **limits the emission of x-rays** during the acquisition to the necessary amount for the patient's morphology.
It uses the **minimum dose** required to provide a high-quality image.



R&D Project Manager
HW/Embedded SW Systems

"ACE is the combination of advanced sensor technology, digital power electronics and the know-how of two diagnostic imaging divisions. The synergy between La Ciotat (FRANCE) and Milan (ITALY) R&D teams gave birth to an innovative concept focused on patients, with outstanding image quality."

FOR A SAFER PROCESS

With SOPIX Series sensors and its patented ACE technology, you acquire **successful X-rays every time**, meaning reliable and accurate diagnosis. You **save time** avoiding the need for retakes.

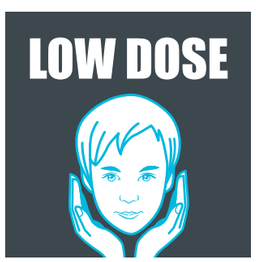
Whilst using X-Mind unity intraoral X-ray generator with SOPIX inside, the patients **receive the minimum required dose for their dental morphology**. You protect your patients and your staff from unnecessary radiation.

PATIENT AND STAFF OPTIMAL PROTECTION

STOP EXCESSIVE RADIATION

The communication between the X-Mind unity and SOPIX inside sensor provides **unique benefits**.

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**.



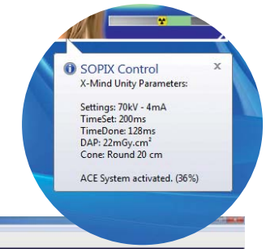
Effective protection for minimal exposure

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

SOPRO Imaging, always one step ahead

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

This ensures **permanent traceability** for every patient.



EXCLUSIVE TRACEABILITY

Outstanding working comfort

Through direct integration of SOPIX inside into X-Mind unity, **connecting cables are hidden** inside the X-ray unit.

The holder places the sensor **safely at easy reach** to prevent it from falling onto the floor.

Your working environment is therefore **more ergonomic and productive**.

OUTSTANDING PERFORMANCE

SMART DESIGN FOR BETTER COMFORT

White side stripes ensure high visibility of the sensor in the dark area of the mouth, to correctly position the X-ray tube perpendicular to the sensor.

Rounded edges and corners for improved **patient comfort**.

FAST AND EASY TO USE

Save time with a sensor that is **always ready to acquire**.
The image is **displayed immediately**.

NO MORE OVEREXPOSED IMAGES

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

Acquire perfect image the first time and every time!

Ace technology

THE SOPIX SERIES

SOPIX

With proven quality and reliability, SOPIX produces a high quality image at an affordable price.

The most economic solution of the SOPIX series

SOPIX²

This sensor provides an exceptional image quality, using the most advanced technology.

The solution for optimal performance

SOPIX inside / SOPIX² inside

This sensor is directly integrated into the X-Mind unity intraoral X-ray generator, resulting in a reduction of X-ray emissions.

The patient's well being is the highest priority