RAY OF SOLUTIONS

ProXIma X6

GB

ProXIma X6

Professional X-ray Imaging

RAY OF SOLUTIONS

SO SIMPLE, SO BRILLIANT

Perfect for ultra-high quality 2D and 3D exams with very low doses.

- Modern minimal design
- System can easily be integrated with CEPH arm
- Extremely compact
- Ultra-high resolution 2D and 3D images that are rich in detail
- Effective, safe, real-time diagnoses
- User-friendly software
- Enhanced communication with patient

Intuitive, practical, reliable.
Nothing else needed.

TAKES SHAPE AROUND YOU

Flexible configuration

ProXIma X6, lets you choose from among several different configurations to capture 2D, 3D and CEPH images. If desired, new functions can be added at a later stage.

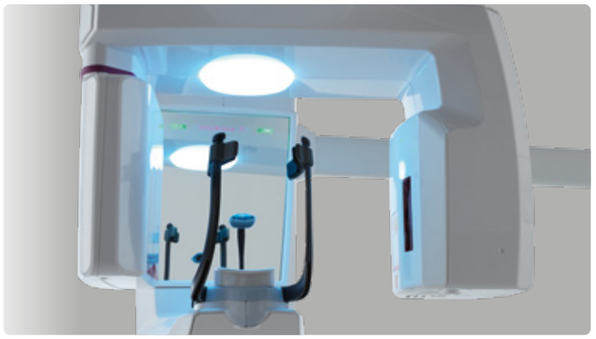
To adapt perfectly to the available space, the control panel is positioned according to your usage preferences, while the ceph arm can be installed both on the left or right of the column.

AIRgonomics version

An exclusive wall-mounted installation without any floor obstacles not only saves space but also facilitates access for patients.

Patient Relaxing lighting system

Gives your practice a distinctive atmosphere and puts patients at ease throughout the positioning and imaging process.



Smart Mirror lighting system

Integrated in the mirror, this system has 5 different colours that provide clear, immediate information on device status at all times.

- Waiting
- Ready for examination
- X-ray emission in progress
- Error detected
- Reset in progress

Touch-sensitive keypads

These simplify adjustment of the height of the column and the laser guides and make post-use cleaning and sanitisation easier. Configurable on the right or left of the device.

THE PLEASURE OF WORKING IN A COMFORT ZONE

Full-touch 7” on-board control panel

Featuring modern, ultra-compact design, the integrated 7” full-touch control panel guides you - simply and intuitively - through every stage of positioning and image acquisition. Depending on whether the 2D or 3D protocol is selected, the new graphic interface provides precise instructions on how to position the patient and which accessories to use. **ProXIma X6** maximises operational flexibility: control panel positioning and tilt can be adapted to the different needs of both the patients and the dentists who interact on the machine.

Virtual control panel

The user-friendly graphic interface guides you through the process step by step: from selection of the exam to execution of the scan, providing direct access to all device functions via PC.

Integrated cooling system

Greatly increases the number of examinations you can perform each working day, ensuring images remain accurate and high-quality.

Remote Reality View

Remote monitoring system consisting of front-facing camera and microphone to ensure correct positioning of patient, also remotely. The system improves communication and cooperation between patient and dentist, who can provide instructions remotely.

Patient positioning/securing tools

The ergonomic head support adapts to the shape of individual patients' heads and, together with the two supplied bites, ensures proper positioning of the arches, a high-quality final result and diagnostic repeatability of exams, even with edentulous persons, children or patients without incisors.

Two sub-nasal supports are also provided for examinations of the maxillary sinuses and temporomandibular joints.

Lasers

The three integrated lasers form an essential guide for correct anatomical alignment of the patient: this reduces the risk of clinically ineffective images and minimises the likelihood of having to repeat the test and expose patients to additional radiation.

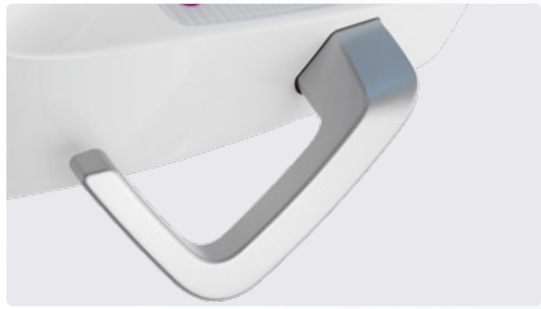
RAY OF SOLUTIONS

Patient foot positioning

A laser beam is projected onto the floor, remaining correctly aligned even if the column is moved: with this, positioning of the patient's feet minimises any human error, optimises image quality and makes the examination easily repeatable.

Ergonomic handles

Ergonomically designed handles aid patient stability, ensuring patient posture is comfortable, safe and stable during an examination.



Retractable storage compartment

Integrated under the central arm, allows easy storage of patients' personal items or positioning accessories.

YOUR PATIENTS FIRST AND FOREMOST

ProXIma X6 has been designed to reduce X-ray emissions while maintaining ultra-high image quality. This is possible thanks to automatisms, functions and accessories that calibrate X-ray doses according to the patient's actual needs and their anatomy, protecting the most sensitive areas.

Cutting-edge protocols

Available for both **2D** (QuickPAN and QuickCEPH) and **3D** (QuickSCAN) examinations, these provide accurate images but with lower doses than standard acquisitions.

These are particularly useful for post-surgical follow-ups or identifying any macro-structures, such as impacted teeth or agenesis.

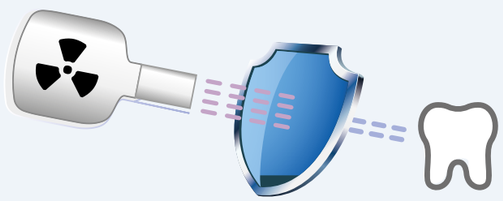
In paediatric cephalometric examinations, combining the protocol with the elongated ear pads protects the thyroid from exposure and minimizes the X-ray exposure for the child.

MRT technology

Allows fully automatic calibration of the emitted dose according to the density of the anatomical area under examination and the physical characteristics of the patient, ensuring sharp, uniform images at all times.

MRT

(Patented)



Dose Saver configurations

Two pre-settable MRT panoramic imaging modes ("80" and "100") lower the dose received by the patient significantly, with a delta of 20%.

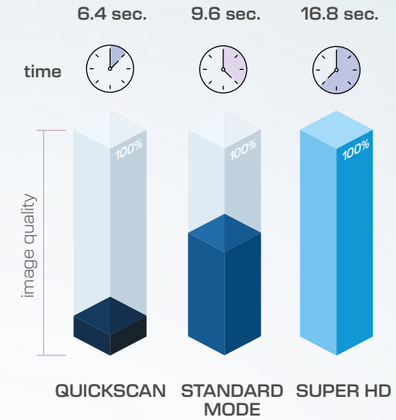
DISCOVER THE DEPTH OF 3D

MultiFOV performance

ProXIma X6 overcomes the limits of traditional 3D radiology thanks to its MultiFOV capability. This adapts the field of view to the patient's morphology and diagnostic needs, limiting the irradiated anatomical region to the area of actual interest. Increasingly targeted exams and precise analysis in all key diagnostic areas: from implantology to measuring the volumes of the maxillary sinuses or TMJs, from endodontics to oral surgery.

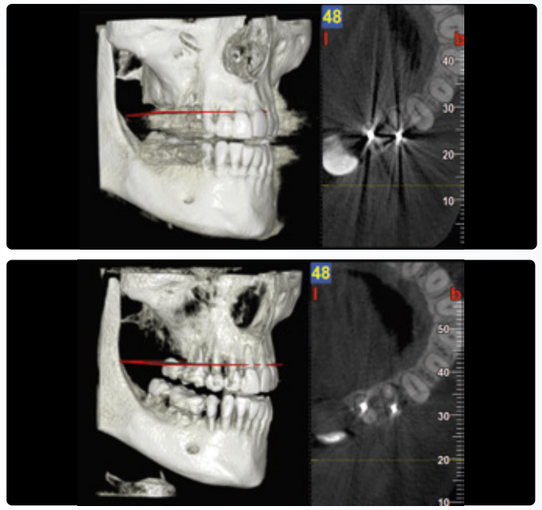
Optimised 3D scanning protocols

Each FOV has three execution modes to adapt to all clinical needs, ensuring exams are performed according to real needs with extreme ease.



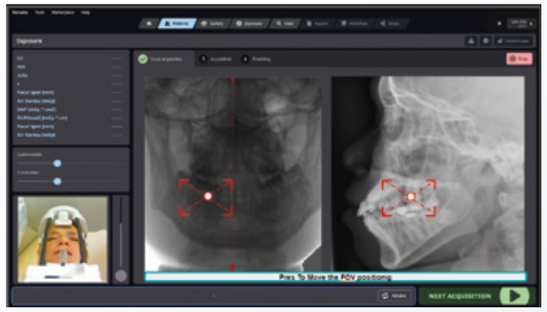
3D SMART (Streak Metal Artifacts Reduction Technology)

Automatically ensures anatomical structures remain sharp even where there are metal objects (amalgam or implants) that might compromise the quality of the 3D image.



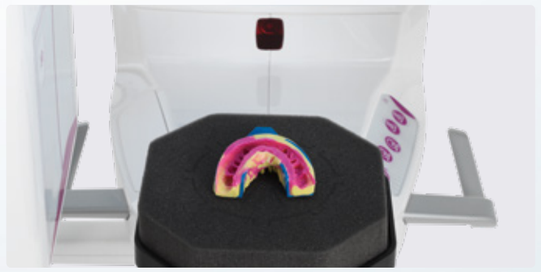
Scout View system

By viewing two images of the patient, one lateral and one frontal obtained with a very low radiation dose, you can align the 3D volume on the area of interest directly from the PC while keeping the patient comfortably on the machine.



Model scanning

A dedicated support and protocol are also available for fast scanning of prostheses, radiological templates, models and impressions.

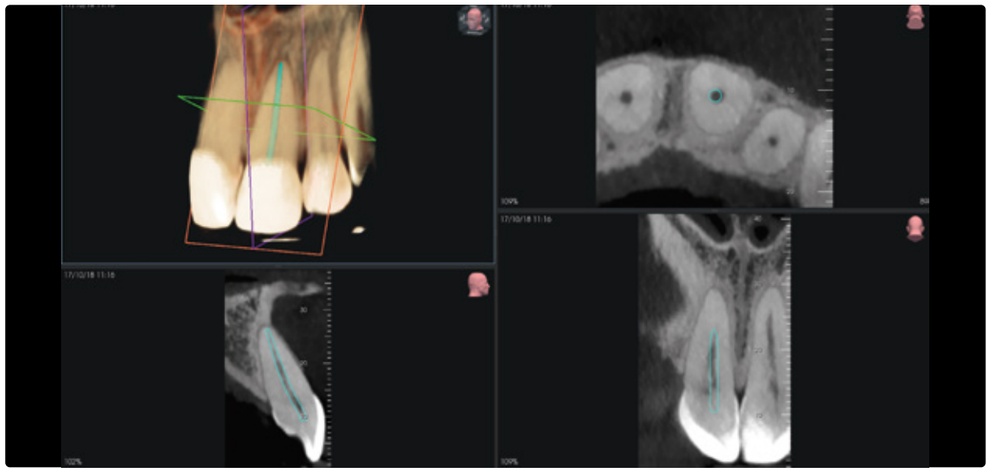


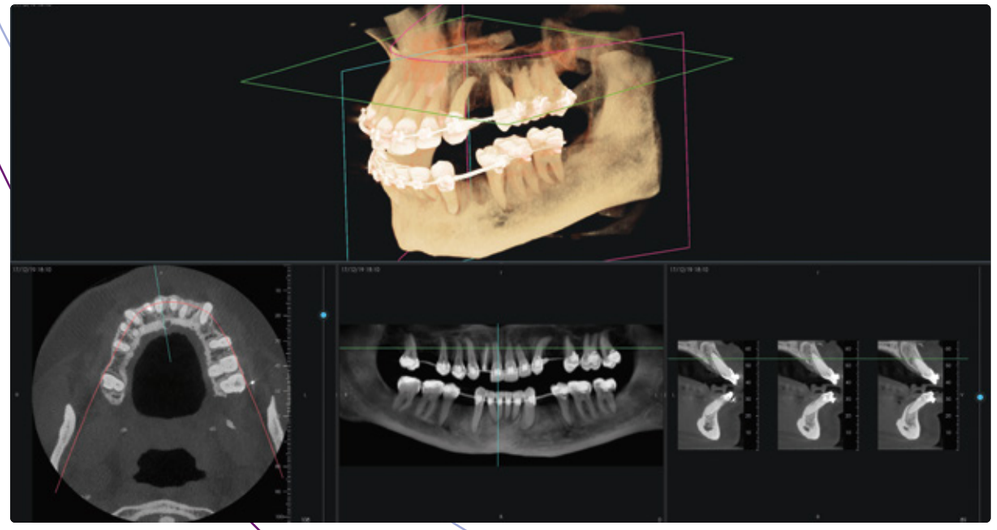
3D dental exams

Sectoral tomographic images of complete or partial dentition, individual arches, maxillary or mandibular or both, also including upper airways (nose, throat, sinuses). Versatile fields of view let you perform post-surgical checks, plan implants and analyse any dysmorphisms, lesions, fractures or cysts. They also let you analyse impacted teeth in relation to the mandibular canal and other surrounding structures.

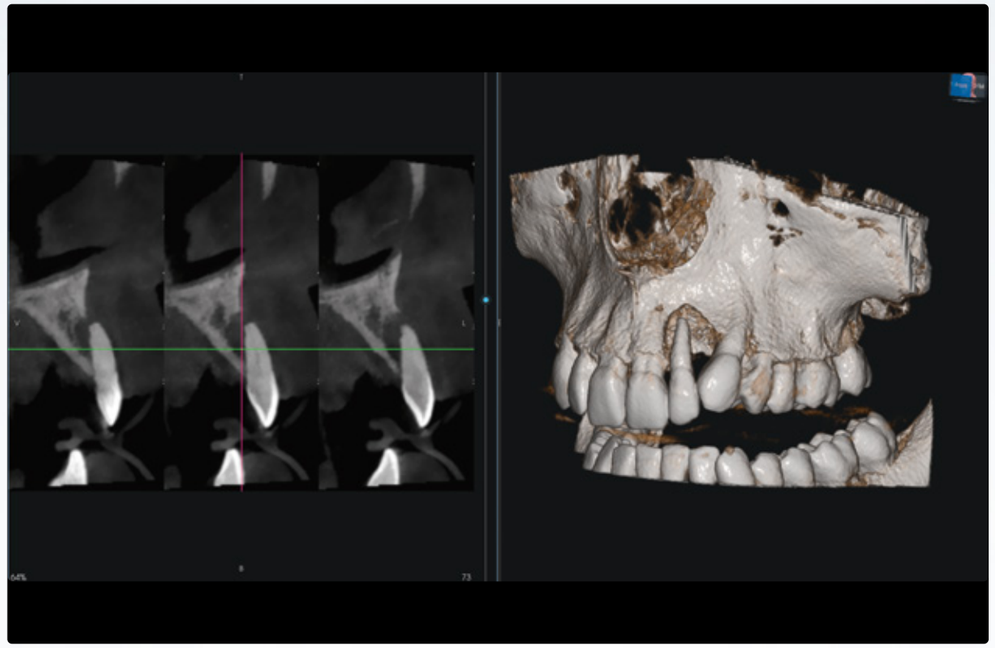
- Typical FOVs for dental exams on adult or paediatric patients:

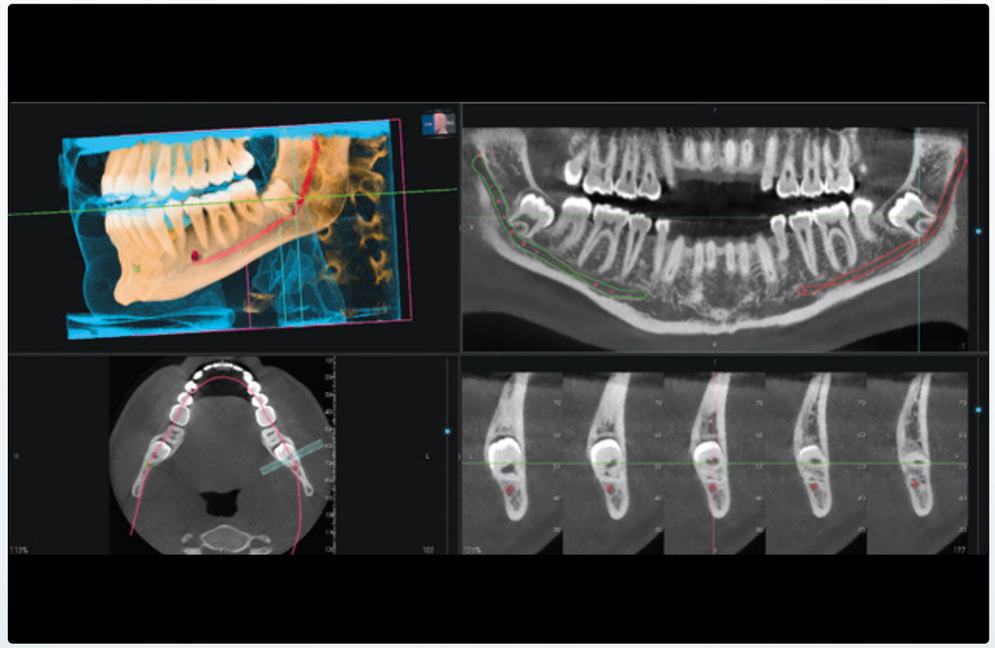
6x6, 8x6, 8x8, 11x6, 11x8, 11x11





RAY OF SOLUTIONS

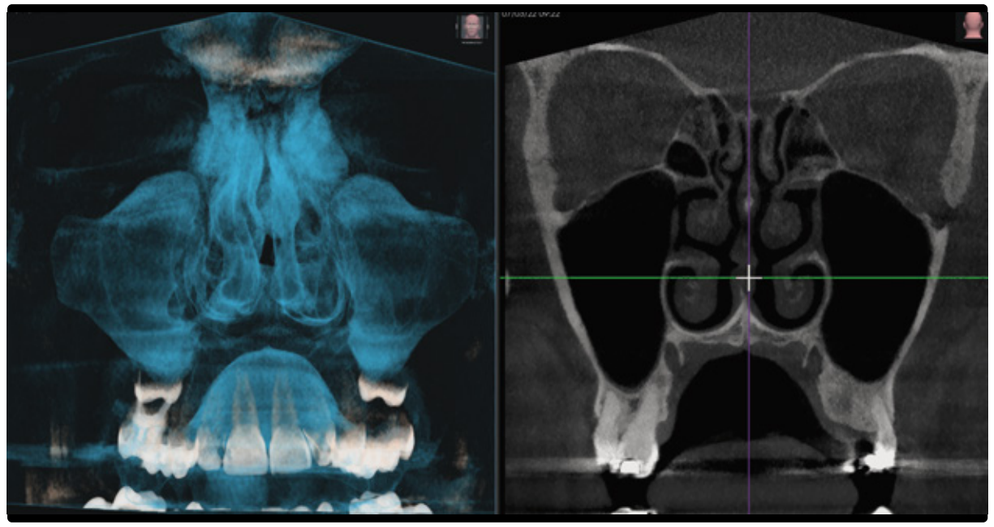


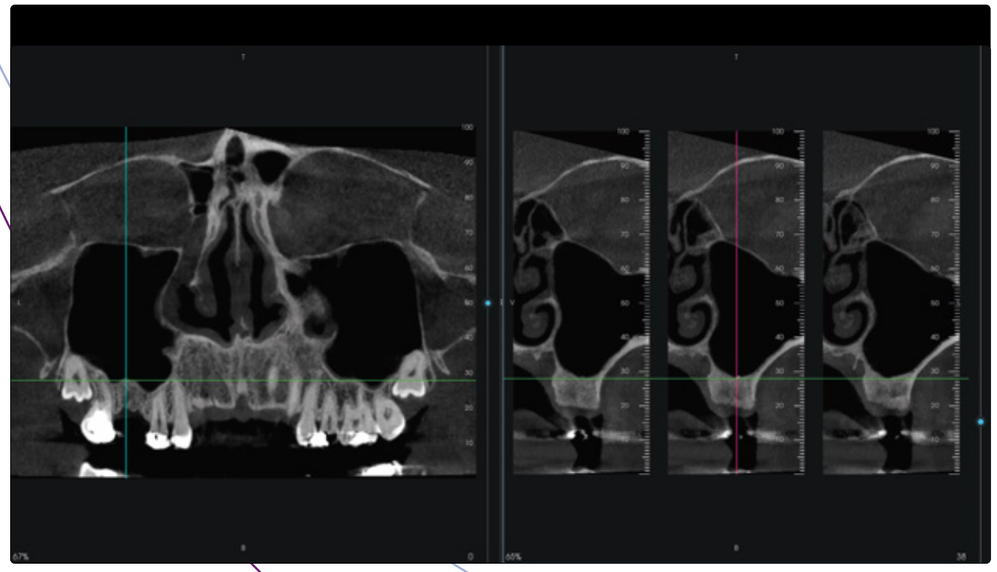


3D sinus exams

Three-dimensional images of the maxillary sinus region, including nose and a portion of the cheekbone area or the maxillary sinuses area depending on the patient's build. Useful for verifying morphology or anomalies and pathologies such as sinusitis, tumours, obstructions, genetic malformations, opening of the middle meatus.

• Typical FOVs for sinus exams on adult or paediatric patients: 8x8, 11x8, 11x11

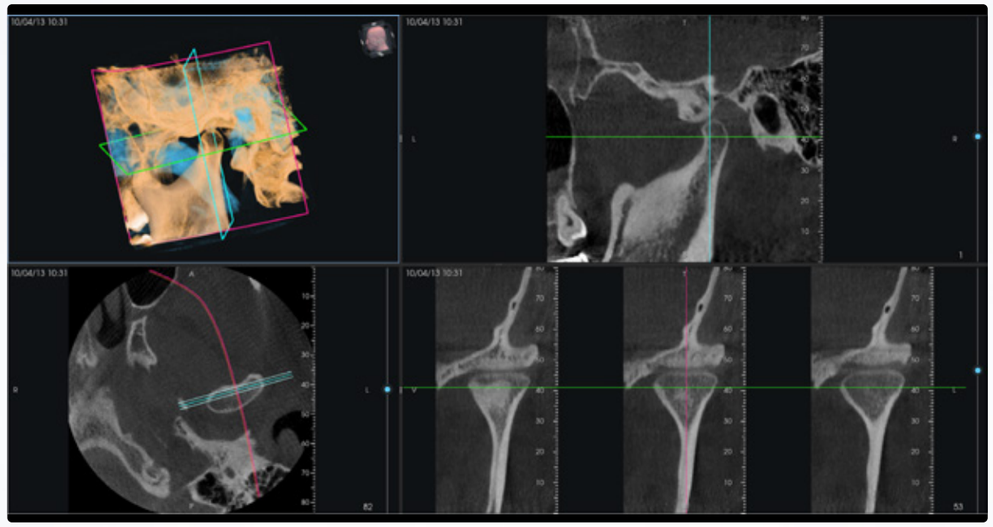


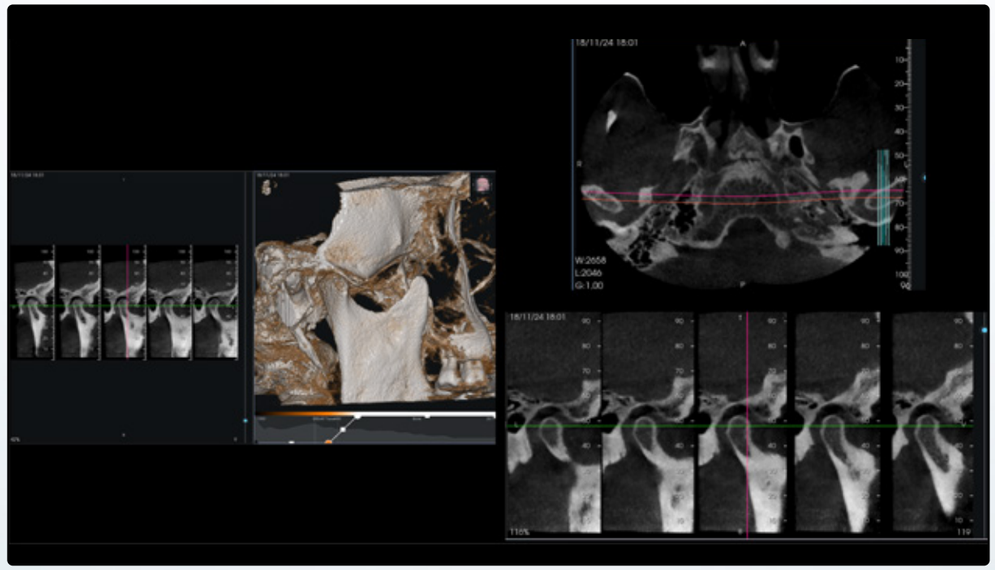


3D temporomandibular joint exams

Ability to capture both temporomandibular joints, verify the morphology of the relative bone structures, diagnose fractures or traumas and assess condylar translation to study joint functionality. The available set of FOVs allows for acquisition of the entire ascending mandibular rami, third molars included, even in highly complex cases..

• Typical FOVs for TMJ exams on adult or paediatric patients: 11x6, 11x11 (single-scan-fields) - 13x6, 13x10, 15x6, 15x11 (double-scan fields)





2D IMAGING THAT'S A MUST-HAVE

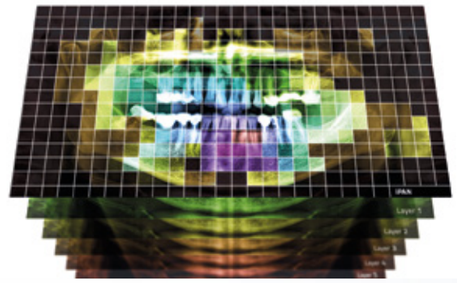
RAY OF SOLUTIONS

MultiPAN function

With just a single scan - and a dose equal to that of a single traditional panoramic X-ray - 5 different focus layers can be obtained. You can then select the one that best highlights the diagnostic detail of interest.

iPAN function (Focus-Free)

Lets you obtain a single panoramic image automatically by merging the layers generated by the MultiPAN function and selecting the most in-focus portions of each of them.



2D PiE (Picture image Enhancer) filters on PAN Focus-Free function

These automatically optimise each layer captured with the MultiPAN function thanks to self-adaptive filters that act on the sharpness and detail of the different anatomical areas according to user-applied settings.

Standard Panoramic

Allows a complete, accurate view of the dental arches, maxillary sinuses and temporomandibular joints.

Orthogonal panoramic

Compared to a standard panoramic image, this highlights interproximal spaces perfectly; the entire root structure is free from any overlapping.

Paediatric panoramic

Panoramic imaging FOV and exposure are adapted to the build of paediatric patients.

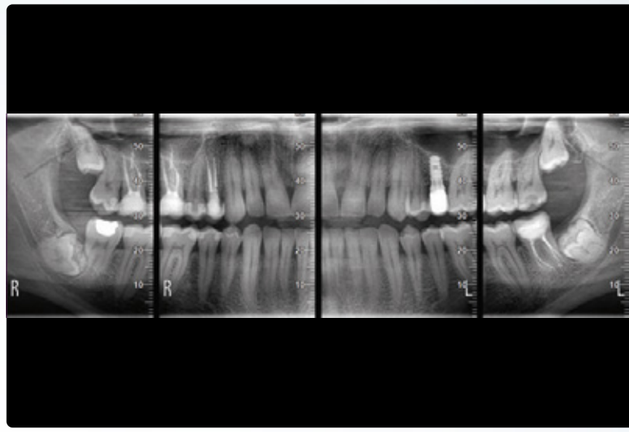
Dentition

Provides clear, detailed images that are limited to the dentition area, in whole or in part: their orthogonality and definition are perfect for periodontal assessments.

RAY OF SOLUTIONS

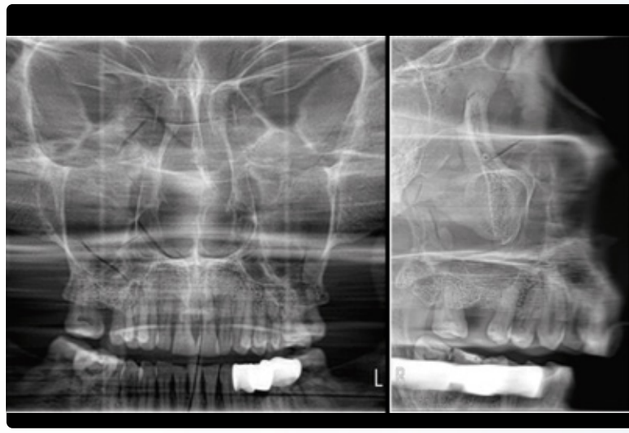
Bitewings

Optimised collimated interproximal projection with a low dose to investigate dental crowns. An alternative to intraoral bitewings, with a less invasive and more comfortable procedure.



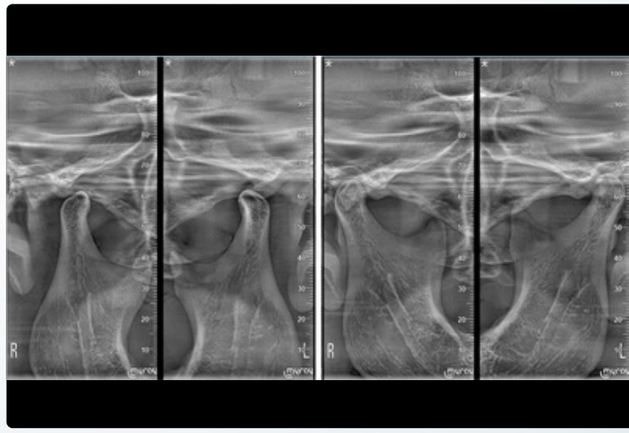
Maxillary Sinuses (frontal and lateral)

Creates an image that allows dentists to assess the health of the maxillary sinuses. To be effected with dedicated sub-nasal support.



Temporomandibular joint (frontal and lateral)

Generates lateral or postero-anterior projections, with mouth open or closed. To be effected with dedicated sub-nasal support.



OBTAIN MORE WITH THE CEPH ARM

Cephalometric arm

Equipped with a latest-generation 2D sensor, the cephalometric examination arm is compact and can be installed on both the right and left of the column. Maximum versatility to meet every possible installation requirement.The modular design of **ProXIma X6** also allows the arm to be added, in CEPH Ready configurations, at a later date.
The head support provides patient comfort thanks to a height-adjustable forehead support and side rods available in two sizes: standard for adults and long for children.

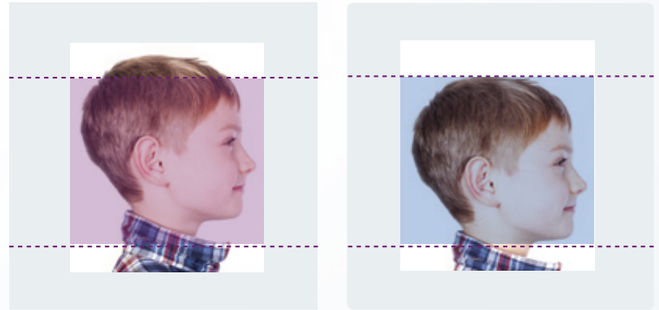
RAY OF SOLUTIONS

Repositionable 2D PAN/CEPH sensor

ProXIma X6 allows you to perform both panoramic and cephalometric exams using the the same sensor, which can be repositioned in the two slots used for 2D exams. Outstanding efficiency and versatility.

TOP CEPH positioning

TOP CEPH positioning for paediatric patients reduces thyroid exposure and prevents sensor-shoulder contact, allowing inclusion, if necessary, of the skullcap.



Support for carpal analysis

Dedicated carpal analysis accessory for the assessment of residual growth; particularly useful with paediatric patients to compare it with development of maxillary and mandibular bones.

Lateral skull teleradiography – Full Standard

Full Standard latero-lateral view of the skull provide images that show bone structures in detail and highlight soft tissues, providing essential data for cephalometric studies.

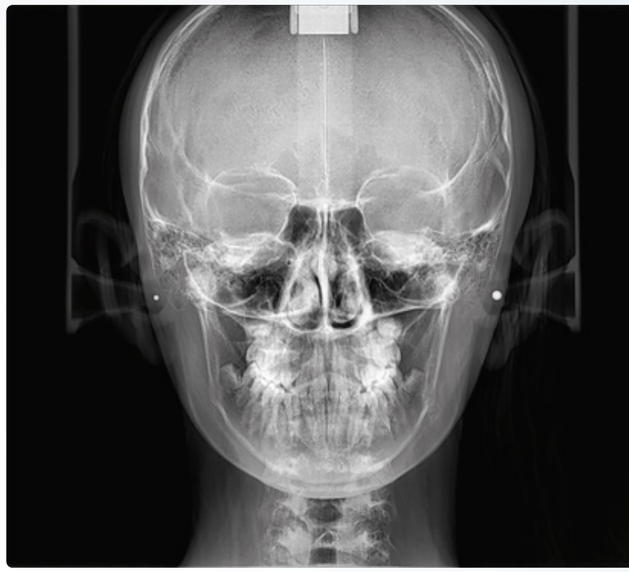
Lateral skull teleradiography – Full Long

Compared to the Full Standard exam, the Full Long mode allows the maximum extension of the selected field of view, including areas from the temporal bone to the occipital bone and the upper area of the skullcap.

RAY OF SOLUTIONS

Frontal skull teleradiography

The Antero-Posterior (AP) or Postero-Anterior (PA) frontal projections produce a frontal-view image of the patient's maxillofacial area that allows investigation of possible asymmetries and malocclusions.



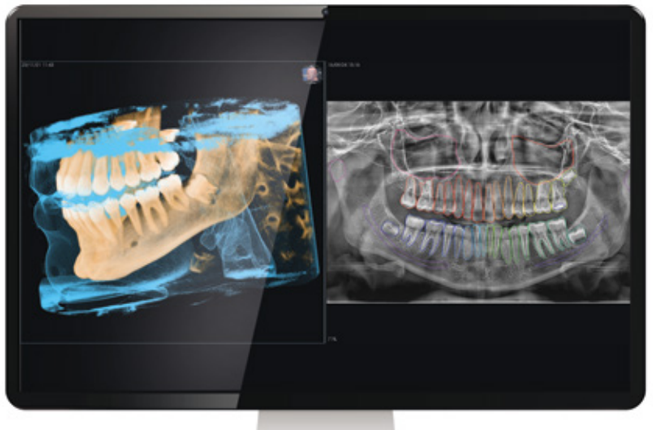
Carpal teleradiography

Allows you to view the carpal bones of the non-dominant hand; typically used to determine the patient's skeletal age.

RAY OF SOLUTIONS

YOUR DIGITAL ASSISTANT

NeoWise Imaging software is designed around you and your patients. It allows you to manage/process 2D and 3D images in order to make accurate diagnoses and streamline communication with the patient. Simple and effective, with advanced diagnosis/planning tools and filters.



Optimised workflow
Automating processes such as image segmentation and classification reduces operating times, making the practice more efficient.

Smooth dentist-patient communication
Advanced diagnostic tools make it easier to explain treatment plans to patients, improving their understanding and their level of engagement.

User-friendly interface
Designed to improve the user experience and reduce learning times. Using the various functions has never been easier or more personalised.

Multi-image support
The software lets you view and compare 2D and 3D images simultaneously, making it easier to compare clinical information and improve diagnostic capacity.

Real-time 3D rendering
Advanced rendering algorithms allow real-time display and management of 3D images for consistently detailed diagnosis.

Simulation of clinical analyses and treatments
This function can be used to view the expected outcomes of practices such as implant positioning; for example, it allows assessment of the insertion angle and can predict of aesthetic results with dental crowns.

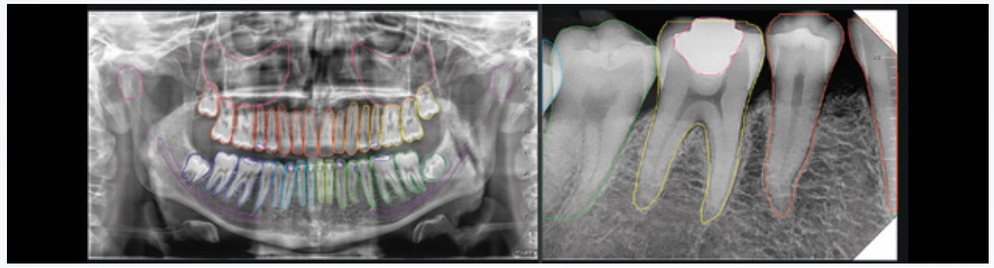
Centralised image management
Access all patient scans quickly via a single interface to simplify consultation and streamline cooperation between teams from different departments.

Guaranteed compatibility
Key communication protocols such as DICOM, RIS/PACS and TWAIN are supported, ensuring secure transmission and storage of medical images.

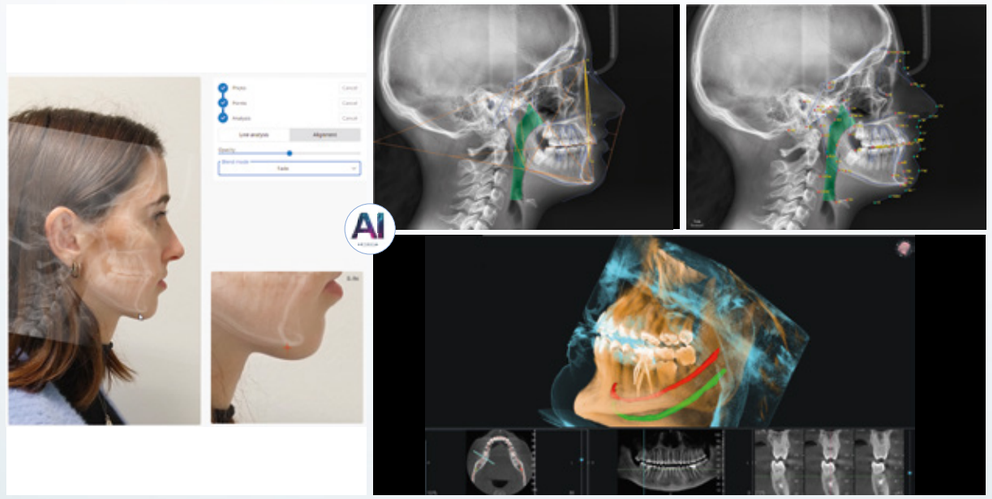
RAY OF SOLUTIONS

CLINICAL INNOVATION AT YOUR SERVICE

NeoWise integrates automated AI-powered features that improve diagnoses, raise operational efficiency and make treatment more personalised for each patient, making your work more precise and finely targeted than ever.



- Classification of 2D and 3D photographic images
- Anatomical and pathological analysis for 2D intraoral and panoramic exams
- Segmentation of 3D anatomical structures
- Detection of panoramic curves on CBCT exams
- Identification of inferior alveolar nerve in volumetric exams
- Alignment and combination of CBCT exams with optical impressions
- Detection of cephalometric points and creation of tracings
- Identification of airways for diagnosis of OSAS pathologies
- Latero-lateral teleradiography alignment with photo of patient
- Smile Design module to simulate aesthetic treatments in frontal sectors



RAY OF SOLUTIONS

OPTIMISES YOUR WORK

User profiling

Customise permissions and functions according to the role and preferences of the various users in your practice.

01

Data import

Automatically import examinations and images from iRYS and the other main dental imaging software tools.

02

Database management

Create patient records with the utmost ease and security to ensure clear, accessible consultation at all times.

03

Device configuration

View and configure all devices registered and enabled on your workstation according to your needs.

04

Image processing

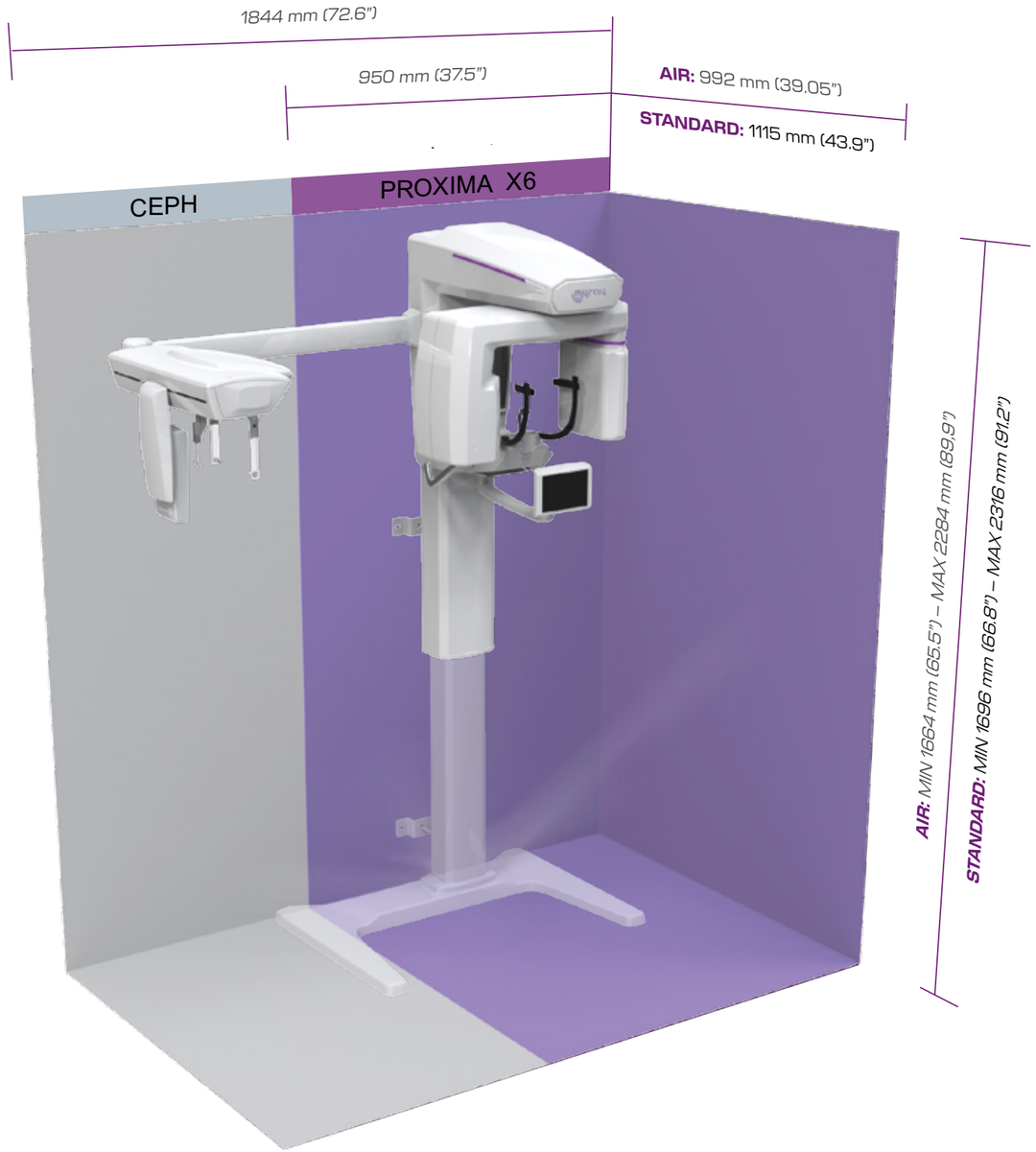
Maximise the user experience thanks to the user-friendly tools menu and a range of views designed to match your clinical needs.

05

Sharing treatment

Create personalised reports on the patient's health and illustrate the treatment plan clearly.

06



RAY OF SOLUTIONS

IMAGES	2D	3D
Type	Pan (adult, child, ortho), QuickPAN, MultiPAN, Dent, Bitewing, Sin (front, L, R), TMJ (front, lat, both), CEPH (LL, AP- PA, Carpus)	Dent, Sin, TMJ, Model Examinations limited to region of interest
(Maximum) theoretical resolution on the patient plan	PAN: 5.7 lp/mm (pixel 78 µm) BW: 6.6 lp/mm (pixel 77 µm) CEPH: 5.7 lp/mm (pixel 88 µm)	PAN: 5.1 lp/mm (pixel 77 µm) BW: 6.6 lp/mm (pixel 75 µm) CEPH: 5.7 lp/mm (pixel 88 µm) CBCT: 6.25 lp/mm (voxel 80 µm)
Fields of view on patient (adult and child) (L) x (H) in cm	PAN STD: 27x15.2 - PAN CHILD: 23.5x15.2 DENT (Full): 26.48x15.2 BITEWING: 22.98X15.2 CEPH LL (full skull): 29.98x22.72	DENT: 6x6, 8x6, 8x8, 11x6, 11x8, 11x11 SIN: 8x8, 11x8, 11x11 TMJ: 11x6, 11x11, 13x6, 13x10, 15x6, 15x11 MODEL: 8x8, 11x6, 11x8, 11x11
Scan time	PAN: 13.7 s (Ortho); 12.3 s (STD); 6.8 s (Quickscan); 3.2 CEPH: 9.9 s (STD) 3.8 s (Quickscan)	Super HD: 16.8 s (Best Quality - single scan) Standard: 9.6 s (Regular - single scan) QuickScan: 6.4 s (Low Dose - single scan)
INSTALLATION		
Weight (kg)	2D basic machine: 51 Kg 3D basic machine: 56 Kg CEPH arm with sensor: 21 Kg	
X-RAY GENERATOR	**2D**	**2D/3D**
Generator type	Constant potential DC	Constant potential DC
Anode voltage and current	2D: 60-90 kV (continuous emission); 4 – 15 mA	2D PAN: 70 kV (continuous emission); 4 – 15 mA 2D: 60-90 kV (continuous emission); 4 – 15 mA 3D: 90 kV (pulsed emission); 2 – 16 mA
Focal spot	0.5 mm (IEC 60336)	0.6 mm (IEC 60336)
POWER SUPPLY	**2D**	**2D/3D**
Voltage and frequency	115 – 240 V Single-phase 50 / 60 Hz	115 – 240 V Single-phase 50 / 60 Hz
Maximum current absorbed in working conditions	20 A at 115 V; 12 A at 240 V	20 A at 115 V; 12 A at 240 V
Current absorption in standby mode	1 A at 240 V; 2 A at 115 V	1 A at 240 V; 2 A at 115 V
Adjustment method	Automatic voltage/frequency adaptation	Automatic voltage/frequency adaptation
DETECTOR	**2D PAN & CEPH**	**3D/PAN**
Detector type	CMOS (CsI)	IGZO
ERGONOMICS		
Patient positioning	Suggestion from virtual control panel - Servo-assisted alignment, 3 laser guides (Class 1 - IEC 60825-1) - 3D Scout View	

CE 0051

myray
new comfort
in digital imaging

cefla
Making Your Life Better.

MX6PGB241500 1172024

PLANT
Via Bicocca, 14/c - 40026 Imola - Bo (Italy)
tel. +39 0542 653441 - fax +39 0542 653555

HEADQUARTERS
Cefla s.c.
Cefla s.c. Via Selice Provinciale, 23/a - 40026 Imola - Bo (Italy)
tel. +39 0542 653111 - fax +39 0542 653344

CEFLA NORTH AMERICA
Inc. 6125 Harris Technology Blvd. Charlotte, NC 28269 - U.S.A.
Toll Free: (+1) 800.416.3078 Fax: (+1) 704.631.4609