Panorama, cephalometry, 3D upgrade

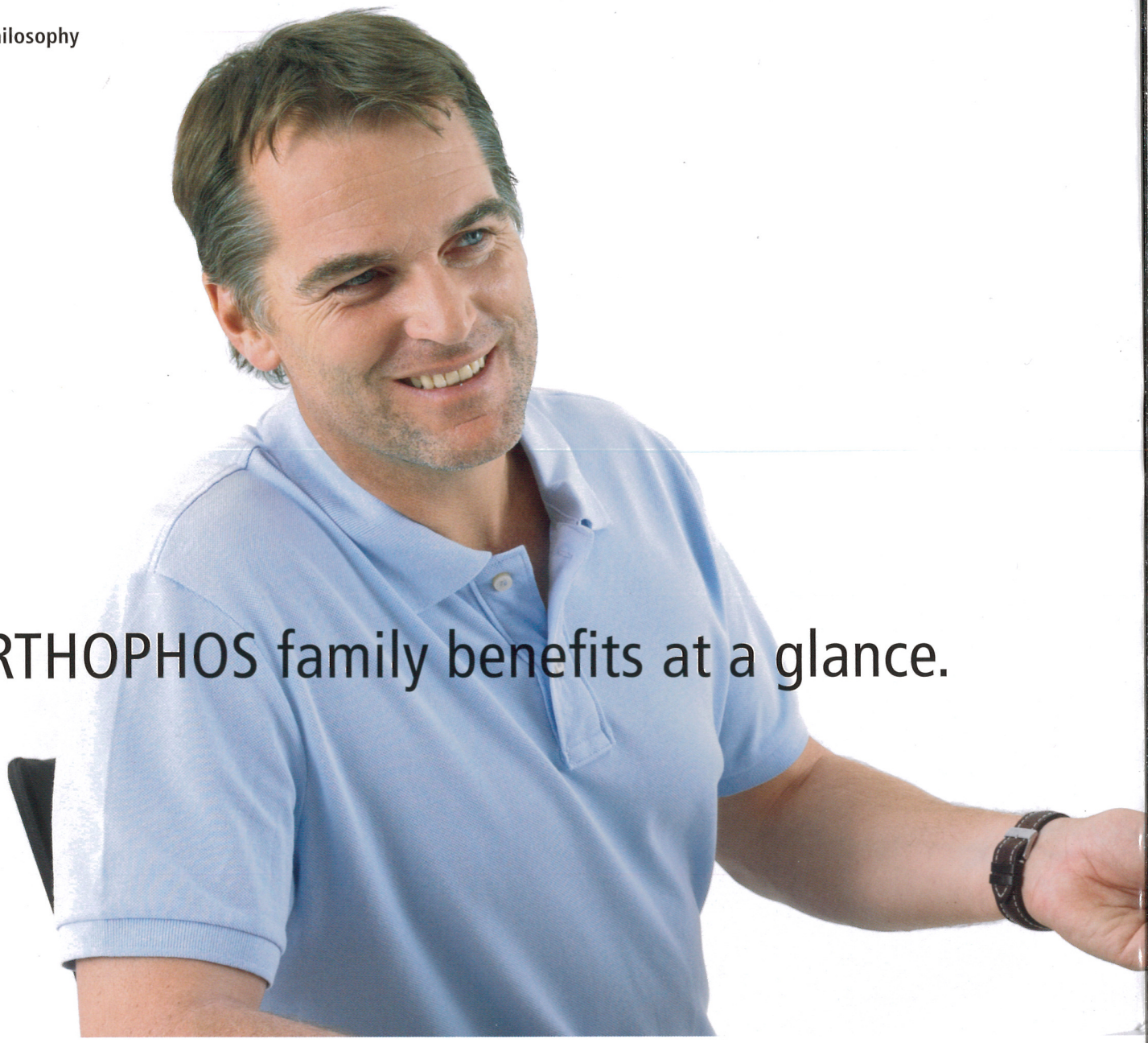
X-rays you can rely on: the ORTHOPHOS XG device family.

More than 20,000 dentists rely on ORTHOPHOS.

The right unit for every practice.
What kind of partner would you like to work with in your practice? An ideal candidate would have plenty of experience and be open-minded towards future developments. They could immediately incorporate their skills and abilities into your practice to help you meet your vision of the future. As a new partner in your practice, each member of the ORTHOPHOS XG family offers all these benefits and more: ORTHOPHOS XG: the x-ray unit you can trust. **Enjoy every day. With Sirona.**

- More than 100 years of Sirona x-ray experience
- Easy operation and intuitive software
- Perfect integration into the practice network
- Retrofitting options and upgrades available
- The right unit model for every need

ORTHOPHOS XG
Sirona
PAN
CEPH



ORTHOPHOS family benefits at a glance.

Benefits of ORTHOPHOS XG.

Each x-ray unit from our ORTHOPHOS XG family delivers the best image quality at the lowest dose and brings the perfect workflow into your practice . Thanks to a fully developed technology, your new x-ray partner provides you with maximum image information. Special programs reduce the radiation dose for your patients and provide the correct x-ray image option for every diagnostic task. With the help of efficient filters and analysis tools, SIDEXIS XG software gives you fast and reliable answers to your diagnostic questions. And because your x-ray unit is connected directly to the practice network, you can do all of this from any computer in your practice. The ORTHOPHOS XG smoothly exchanges data with practice administration programs and with DICOM environments. Using the x-ray images, you can advise your patients directly at the monitor of your Sirona treatment center.

Best image quality

- 3-point patient stabilization prevents motion blurring.
- Occlusal bite block automatically positions patients in the optimal "sharp slice" zone.
- Automatic adjustment to jaw width ensures high image sharpness.
- Automatic image preprocessing illustrates details in great detail.
- Automatic radiation management for differentiated image displays.

Lowest dose

- Specific orbits for targeted diagnostic information.
- Programs with reduced radiation dose, e.g. Ceph Quickshot, pediatric program.
- Sure positioning prevents errors and repeat imaging.

Perfect workflow

- Logical icons on the control panel help prevent operator errors.
- Efficient software filters and analysis tools assist in quick and clear diagnoses.
- Easy data exchange, e.g. with practice administration systems.

Your ORTHOPHOS XG will build patient confidence and increase treatment plan acceptance.

Reliable diagnoses and expert advice are visible on the monitor of your Sirona treatment center (highly beneficial for implant planning). Your patients will appreciate that the radiation dose of the ORTHOPHOS XG is lower than other units on the market. Find out which unit from the ORTHOPHOS XG family is the right one for you.

ORTHOPHOS XG 3

The ORTHOPHOS XG 3, with its outstanding price-performance ratio, delivers a practice-oriented, high-quality and reliable solution for digital x-rays

ORTHOPHOS XG 5

With temporomandibular joint, sinus, bite wing and pediatric panorama programs, ORTHOPHOS XG 5 allows for more specific diagnoses. The optional cephalometric arm fulfills all modern orthodontic requirements.

ORTHOPHOS XG 3D^{ready}

ORTHOPHOS XG 3D^{ready} meets the more demanding diagnosis requirements of endodontics, periodontics, implantology, orthodontics and surgery. This unit can also be upgraded with a 3D module making it the ideal choice for practices preparing for increased imaging demands in the future.

Optional 3D module

The optional 3D module for the ORTHOPHOS XG 3D^{ready} improves clinical safety in the fields of implantology, endodontics and orthodontics, and opens up new possibilities in the field of implantology in connection with CEREC.

Which unit is the one for you?

Unit	ORTHOPHOS XG 3	ORTHOPHOS XG 5	ORTHOPHOS XG 3D^{ready}	3D module for ORTHOPHOS XG 3D^{ready}
	6 programs	11 programs	17 programs Easypad control panel Automatic positioning	3D x-ray with ideal FoV
General dentist	X	X	X	X
Orthodontist	–	X Optional ceph arm left	X Optional ceph arm right/left	X
Oral surgeon	–	–	X	X
Specialized dentist	–	X	X	X
Implantologist	–	X	X	X
CEREC user	–	–	–	X

ORTHOPHOS XG
sirona
sirona
Prog.
s
kV
mA

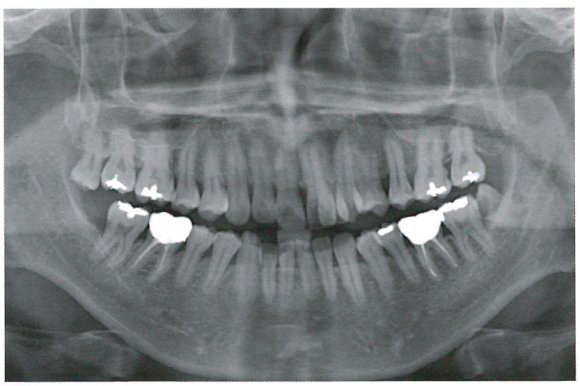
The foundation of the XG Family: The proven standard for practice-oriented x-rays.

ORTHOPHOS XG 3

High quality, durable, and safe, the ORTHOPHOS XG 3 is the perfect choice to initially equip the general dentist for 2D imaging. The x-ray unit's easy operation and smooth integration into your daily practice routines will save you valuable time. The high image quality and proven SIDEXIS XG software guide you to diagnosis quickly and easily. Parameters such as the bite block height are saved with the image data allowing you to reproduce the positioning easily for test exposures. .

Programs

- (P1) Standard panorama with orthoradial beam direction (for basic diagnosis).
- (P1L) (P1R) Standard panorama half-sides left and right (for test exposures).
- (P1C) Panorama with a constant magnification of 1.25 (for length measurements using a reference object).
- (P1A) Panorama with artifact reduction (for patients with multiple metal fillings).
- (TM1) Lateral temporomandibular joint with closed or open occlusion (for functional diagnostics).



Easy operation

The Multipad is intuitively operated. Exposure parameters, for example, are selected via a patient symbol.

Sure positioning

Only 2 light localizers are required for ideal positioning in the sharp slice. The motorized forehead and temple supports stabilize the patient's head and prevent motion blurring.

Best image quality

The x-ray image is captured at 16 bits and then automatically preprocessed to obtain a maximum of information.

ORTHOPHOS XG

The Professional model: Additional programs ensure optimal result.

ORTHOPHOS XG 5

Easy operation. Variable equipment: ORTHOPHOS XG 5 is the perfect partner for general dentists and orthodontists. In addition to the benefits of the ORTHOPHOS XG 3, the XG 5 includes additional programs and enhanced diagnostic capabilities. All rotation curves are adapted to specific diagnostic tasks, returning only the information you need. The horizontally and vertically superimposed pediatric panorama program offers the best image quality with the lowest dose (ideal for pediatric practices and family dentistry.

Optional ceph arm

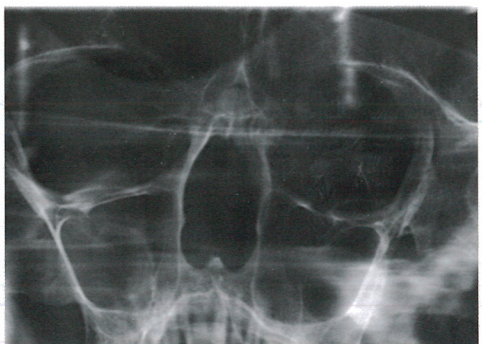
The cephalometric extension captures the images required by the orthodontist. If you, as a general dentist, later wish to develop your practice further, you can also upgrade the ORTHOPHOS XG 5 with a ceph arm at a later point in time.

Additional programs

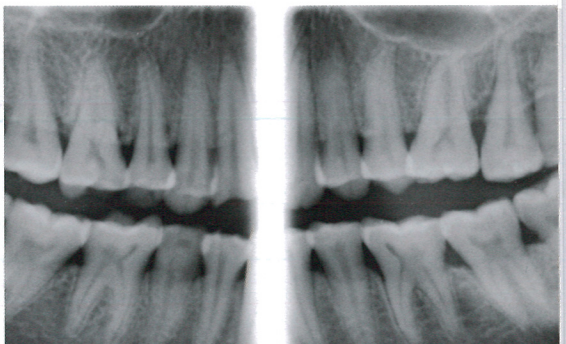
- (P10) Pediatric panorama with a beam field reduced in height and length to protect the lens of the eye.
- (P12) Thick slice in the anterior tooth region for extreme anomalies.
- (S1) Sinus program for the imaging of paranasal sinuses.
- (MS1) Multislice in the posterior tooth region, e.g. for the determination of displaced molars.
- (BW1) Bite wing exposure for the posterior tooth region.

Pediatric panorama

Sinus program



Bite wing exposure in the posterior tooth region.



Even more support:
The extended arm for orthodontics.

ORTHOPHOS XG 5 or ORTHOPHOS XG 3D[ready]? As an Orthodontist, this question especially applies to you! Both units can be extended with a ceph arm, thus providing you with all the relevant cephalometric images. The scan technique combines high resolution with low dose. The image width can be selected: 28 cm or 18 cm. In addition to the usual programs for lateral, symmetric (p.a. or a.p.) and carpus images, a variety of special projections are possible, such as the half-axial or the Clementschitsch exposures. Patients up to approx. 1.90 m in height can be scanned in standing position.
In addition, the ORTHOPHOS XG 3D[ready] also offers important additional functions, such as the Quickshot mode for quicker exposure cycles and shadowing of the upper head. If desired, your ORTHOPHOS XG can also be operated with two sensors. This means that you do not have to change sensors when transferring from panorama to ceph and that there is no risk as there is with manual changing.

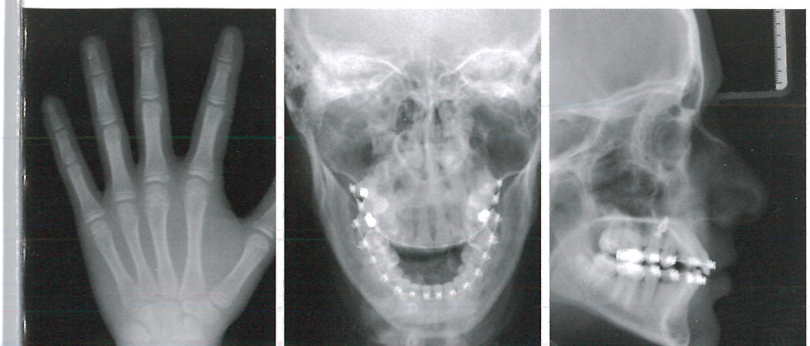
Programs

- (C1) Symmetric p.a.
- (C2) Symmetric a.p.
- (C3) Asymmetric, adjustable image size
  23 H x 18 W or 23 H x 28 W
- (C4) Carpus images
- Special projections, e.g. half-axial, Clementschitsch

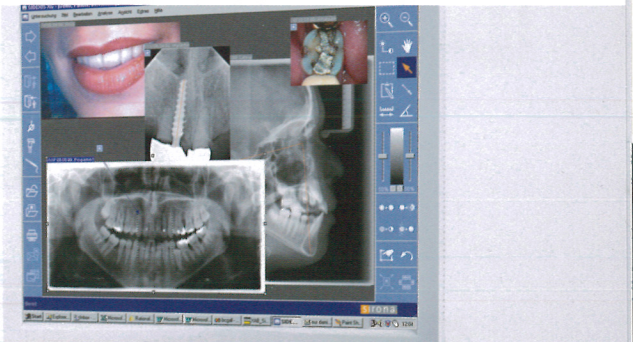
Also with ORTHOPHOS XG 3D[ready]

- Anterior jaw shape available
- Quickshot mode for shorter exposure cycles
- Adjustable upper head shadowing for dose reduction
- Switchable image size (only by technician for XG 5)
- Orthodontic image series with shorter cooling periods

The scan technique combines high resolution with low dose.



SIDEXIS XG is compatible with common orthodontic analysis programs.



The Advanced model: The upgradeable solution for all those who want more – now, and in the future.

ORTHOPHOS XG 3D[ready]

Now you can provide your patients with first-class treatments at a reduced radiation dose, and expand your services. The ORTHOPHOS XG 3D[ready] is an ideal partner for dentists and group practices that want to actively plan and design their future. The unit's wide range of programs prepare you to meet the challenge of any diagnostic situation. You will appreciate the easy operation using the Easypad and automatic patient positioning with the occlusal bite block. You can also expand the performance spectrum of your ORTHOPHOS XG 3D[ready] at any time by adding a 3D volume of 8 cm x 8 cm. The 3D module increases diagnosis confidence in challenging cases and opens up new possibilities in implantology in connection with CEREC.

Additional programs

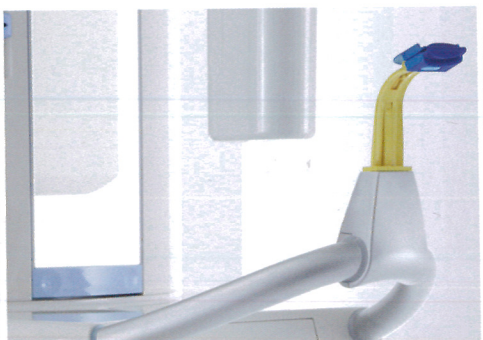
- (P2) Standard panorama without ascending rami
- Additional versions with panorama programs:
  - Individual quadrants
  - All artifacts reduced with constant magnification
  - Quickshot for all panorama programs
  - Automatic adjustment of the rotation curve to the jaw width
  - Automatic positioning with the occlusal bite block
- (TM2–T6; TM1–2 with adjustable radiation angle)
  - Lateral with optional panning
    Temporomandibular joint lateral/axial:
  - With open and closed occlusion
  - With a slice position
- (BW2) Bite wing program for the anterior tooth region
- Additional versions with the bite wing programs:
  - Optional panning left/right with BW1
- (S2–S4) Sinus programs
  - Maxillary sinuses in one/two image(s)
  - Maxillary sinuses in one/two image(s) (linear)

Automatic positioning reduces incorrect exposures

The patient bites on the patented occlusal bite block, which measures the inclination of the bite block plane. The direction of travel is displayed and the unit automatically stops in a programmable plane (for example the occlusal plane).

Convenient operation

Your assistant quickly and easily detects the desired functions on the Easypad. A preview image appears directly after exposure.



ORTHOPHOS XG

Look toward the future with the ORTHOPHOS XG.

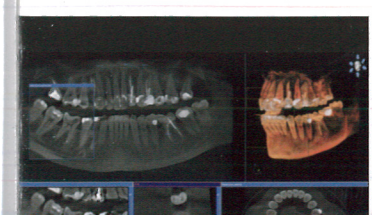
Flexibility for today and tomorrow.
The easy workflows of the ORTHOPHOS XG save you valuable time and expense today. And you can feel confident about the future knowing Sirona's proven dedication to continuous improvement of our units and software (SIDEXIS XG and our user interfaces will all be adapted to future developments to ensure compatability).
ORTHOPHOS XG 3D^{ready} grows with your requirements – the ceph arm and the 3D module can be integrated at any time. All ORTHOPHOS XG units are exceptionally high in quality and durability, and can be equipped with a five year warranty for the tube assembly and sensors.

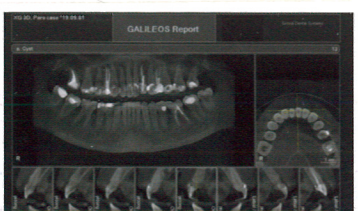
If you have any questions or comments, our customer service center would be happy to assist you; they are available from 7:30 AM to 5:30 PM.

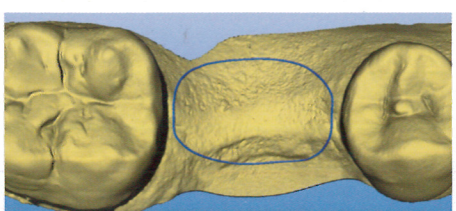
3D module – Step into a new dimension.
Three-dimensional images guide your patients to a better understanding of your diagnoses, increasing their trust in you and increasing treatment plan acceptance. Even with very restrictive diagnoses, more than 25% of all patients are candidates for 3D: the optional 3D module allows you to access 3D x-rays in the cases of challenging diagnostic situations and gain the required confidence to place more implants in your practice.

Your workflow-plus with 3D
The GALAXIS and REPORTER software enable you to save your findings directly in the x-ray image and quickly and easily create radiological reports from these documents.

Integrated implantology
GALILEOS Implant integrates the prosthetic proposal from the CEREC software into the 3D x-ray image. This ensures enhanced safety, fewer work steps and optimal results regarding surgery and esthetics.





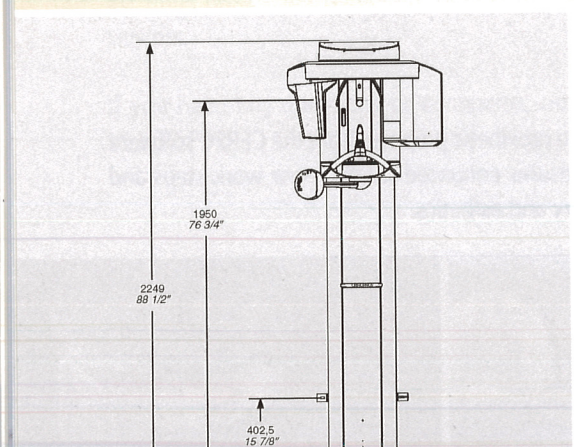


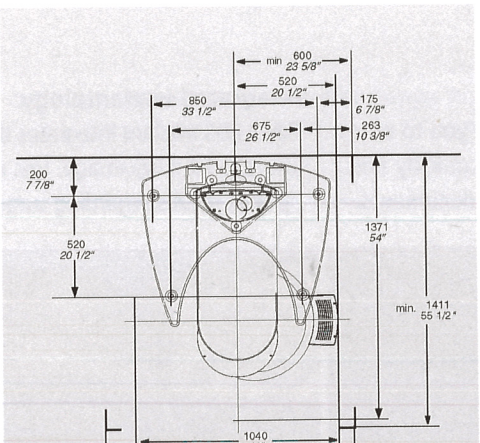
Technical characteristics from XG 3 to XG 3D^{ready}.

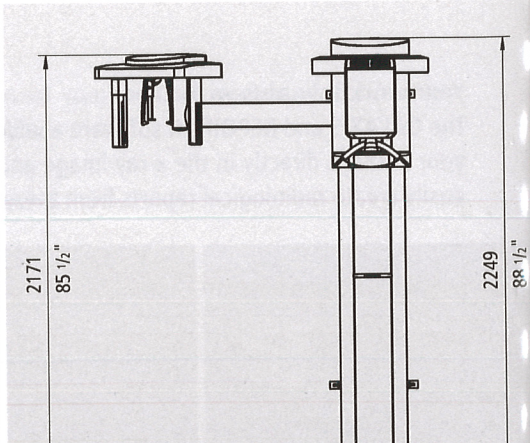
	ORTHOPHOS XG 3	ORTHOPHOS XG 5/Ceph	ORTHOPHOS XG 3D^{ready}/Ceph
Programs			
Standard panoramic overview	P1	P1, P10	P1, P2, P10
Image detail of left or right-hand side	P1L, P1R	P1L, P1R	P1L, P1R, P2L, P2R, P10L, P10R
Image detail of individual quadrants	–	–	P1, P2, P10, P1C, P1A
Image detail of upper or lower jaw	–	–	P1, P2, P10
Constant magnification	P1C	P1C	P1C, P2C, P10C
Artefact-reduced images	P1A	P1A	P1A, P2A, P10A
Thick-layer images of anterior region	–	P12	P12
Thick-layer images of anterior teeth, both jaws	–	–	P12
Image detail upper or lower jaw, quadrants	–	–	■
Sinus images	–	S1	S1, S2, S3, S4
Multi-layer images of premolars	–	MS1	MS1
TMJ	TM1	TM1	TM1–TM6
Bitewing image	–	BW 1	BW1, BW1L, BW1R, BW2
Technical Specifications			
User interface	MultiPad	MultiPad	EasyPad
5-year warranty (2D/3D) for generator and sensor	optional	optional	optional
Ceph-arm (18 cm x 23 cm and 28 cm x 23 cm)	–	left	left or right
Ceph-unit with 2 sensors	–	optional	optional
Quickshot	–	–	■
Selectable anterior jaw shape	–	–	■
Anomaly compensation	–	–	■
Automatic detection of jaw width	–	–	■
Orthodontic program group	–	–	■
Retrofit options	–	Ceph	Ceph/3D
Image preview on user interface	–	–	■
Hardware ready for subsequent upgrades	–	Ceph	Ceph/3D
90-kV-high frequency generator	■	■	■
Automatic patient positioning: occlusal bite	–	–	■
Generator	60–90 kV, 3–16 mA	60–90 kV, 3–16 mA	60–90 kV, 3–16 mA
Panoramic exposure time	14 s P1	14 s P1	14 s P1 Standard/9 s P1 Quickshot
Patient positioning	standing/seated	standing/seated	standing/seated
Exposure time Ceph 18 cm x 24 cm	–	9,4 s Standard/4,7 s Quickshot	9,4 s Standard/4,7 s Quickshot
Door width	66 cm	66 cm	66 cm
Weight	approx. 110 kg	approx. 110 kg	approx. 110 kg
Floor stand	optional	optional	optional
wheelchair accessible	■	■	■
Remote control	optional	optional	optional

Space requirements min. 1,280 mm x 1,411 mm

With ceph arm min. 2,155 mm x 1,411 mm



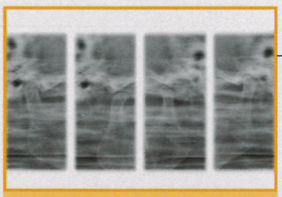




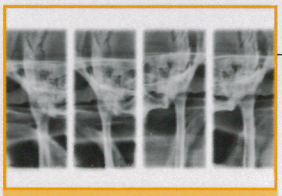
Programs at a glance

This overview shows all the programs for the ORTHOPHOS XG 3D[ready]. You can find out which of these programs are also available for ORTHOPHOS XG 3 or ORTHOPHOS XG 5 from the technical characteristics table.

Temporomandibular joint



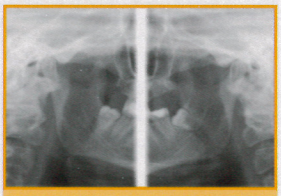
TM1 lateral



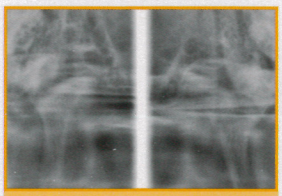
TM2 axial

Adjustable radiation angle

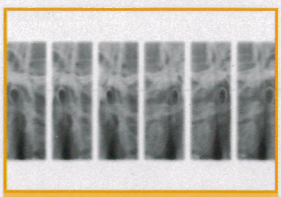
- with open and closed occlusion
- with a slice position



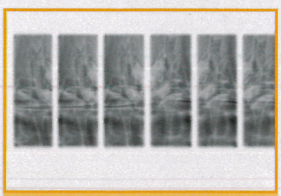
TM3



TM4



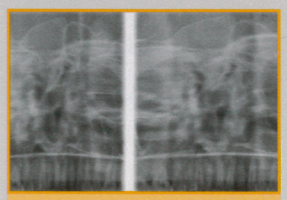
TM5



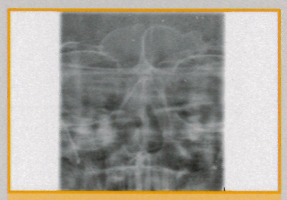
TM6

Sinus

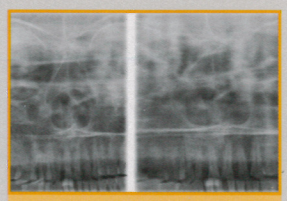
S1 maxillary sinuses in one image



S2 maxillary sinuses in two images

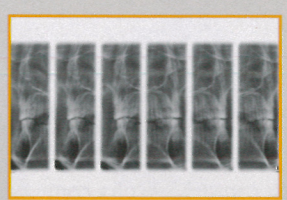


S3 maxillary sinuses in one image (linear)



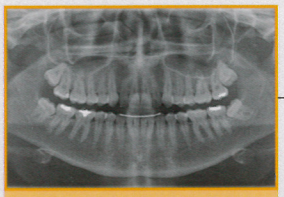
S4 maxillary sinuses in two images (linear)

Multislice in posterior tooth region

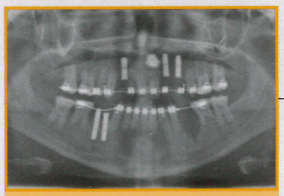


MS1

Panorama



P1 orthoradial radiation

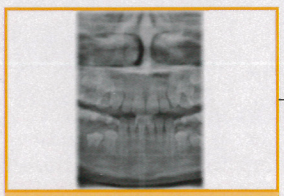


P2 without ascending rami

P10 pediatric panorama, beam field reduced in height and length

- Standard exposure
- with a constant magnification of 1.25
- with artifact reduction

Optional panning:
- UJ
- LJ
- right
- left
- Individual quadrants



P12 thick slice in anterior tooth region

Optional panning:
- UJ
- LJ

- ■ Quickshot option for all PAN programs
- ■ Automatic adjustment of the rotation curve to the jaw width
- ■ Automatic positioning with occlusal bite block

Bite wing

BW1

Optional panning:
- right
- left

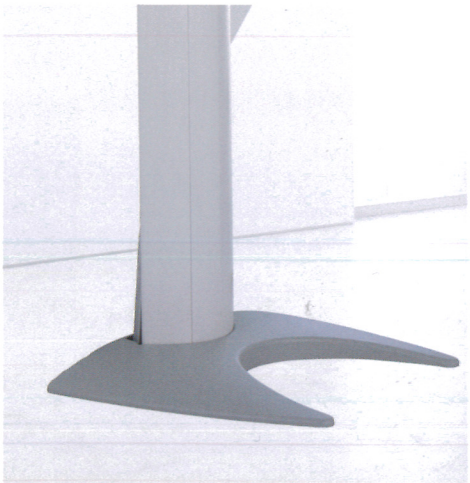
BW2 anterior tooth region

Easy operation.
Numerous diagnostic options.

All ORTHOPHOS XG 3D^{ready} programs at a glance.

Individually adjustable, even for patients in wheelchairs.

Stable floor stand for standalone mounting.



Remote control with exposure parameter display included in the scope of supply.

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