

World of digital imaging



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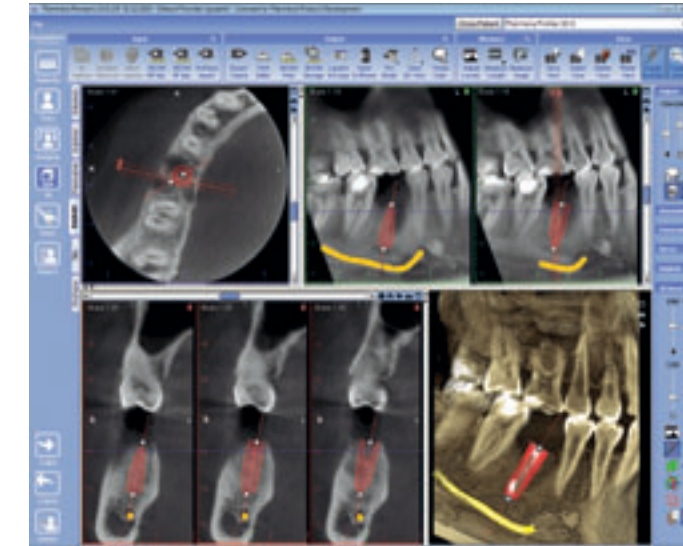


3D imaging

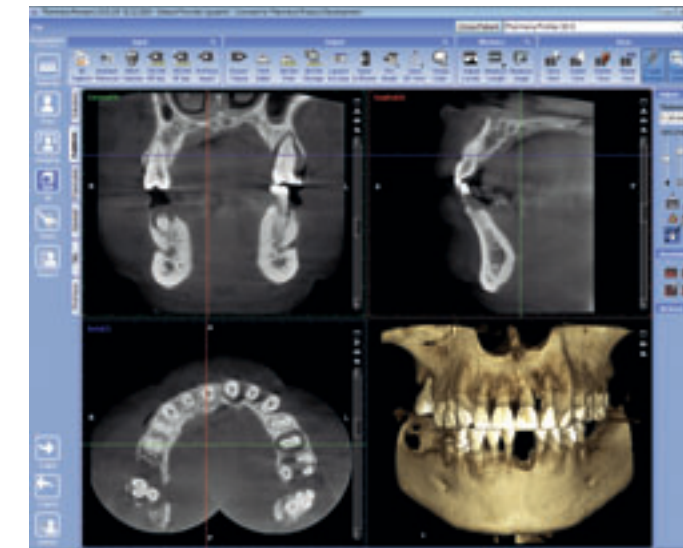


Planmeca ProMax 3D s

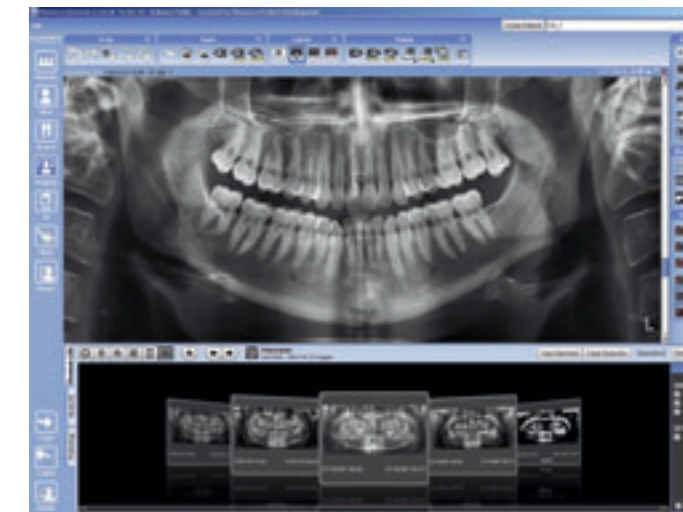
Planmeca ProMax 3D s is an ideal 3D unit for imaging of small details and thus perfect for single implant and wisdom tooth cases. It is a genuine all-in-one unit, providing digital panoramic, cephalometric and 3D imaging, as well as advanced imaging software tools. The unit is a Cone Beam Volumetric Tomography unit, supplying clear imaging with a limited radiation dose, and is based on the Planmeca ProMax platform utilising SCARA technology.



Implant case



Large View image



SmartPan image

FOR IMAGING OF SMALL DETAILS

Planmeca ProMax 3D s is ideal for imaging with a smaller Field of View. The volume size varies between $\varnothing 42 \times 42$ mm and $\varnothing 50 \times 80$ mm, and the image can be taken anywhere within the maxillofacial region. The imaging size is optimal for single implant and wisdom tooth cases, for example, as well as for implant surgery and orthodontic and periodontal treatment. The basic volumes can also be stitched together to generate a larger view of patient anatomy.

SMALL RADIATION DOSE

Planmeca ProMax 3D s utilises Cone Beam Volumetric Tomography (CBVT) technology. It is ideal for dedicated imaging of the maxillofacial complex as it uses a pyramid-shaped beam to scan the entire region of interest in a single semicircle scan, as opposed to a medical CT that takes multiple axial slices in multiple full circle scans. During the scan, each image is generated using a short X-ray pulse instead of continuous radiation. The total scanning time is 18 seconds for one volume, but the actual exposure time is only 3 seconds at the shortest.

DETAILED IMAGES

Planmeca's proprietary 3D reconstruction algorithm converts the original 2D transillumination images to a 3D study, making it the core component for high-quality 3D imaging. The algorithm handles high-contrast objects, like amalgam fillings, in a special way to produce undisturbed study views. The reconstructed image volume consists of millions of voxels. These voxels are isotropic, enabling accurate 1:1 measurements and ensuring geometric relations throughout the image. The extremely small voxels produce detailed high-resolution images without artefacts.

SMARTPAN

A unique SmartPan imaging system uses the same 3D sensor also for panoramic imaging. This eliminates the need to change sensors, making the workflow faster and safer. SmartPan also allows the user to select the most optimal panoramic layer after the exposure.

UNEQUALLED IMAGING PROGRAMS

Planmeca ProMax 3D s complies with a multitude of diagnostic requirements: those of implantology, endodontics, periodontics, orthodontics, as well as dental and maxillofacial surgery, and TMJ analysis. It makes all anatomical structures, angles and orientations clearly visible and produces high-resolution volumetric studies of mandible and maxilla, full visualisation of all classes of orthodontic malocclusion, and accurate TMJ studies.

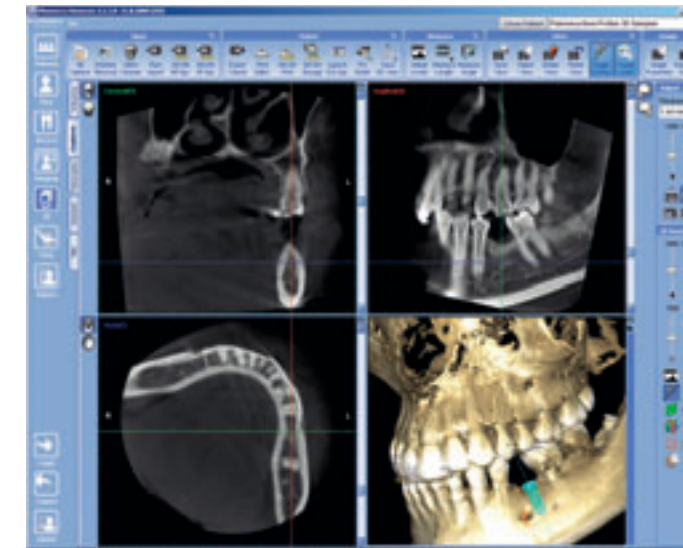
VOLUME SIZES

Standard volumes $\varnothing 50 \times 80$ mm (child mode $\varnothing 42 \times 68$ mm), and $\varnothing 50 \times 50$ mm (child mode $\varnothing 42 \times 42$ mm). Stitched volume $90 \times 60 \times 130$ mm



Planmeca ProMax 3D

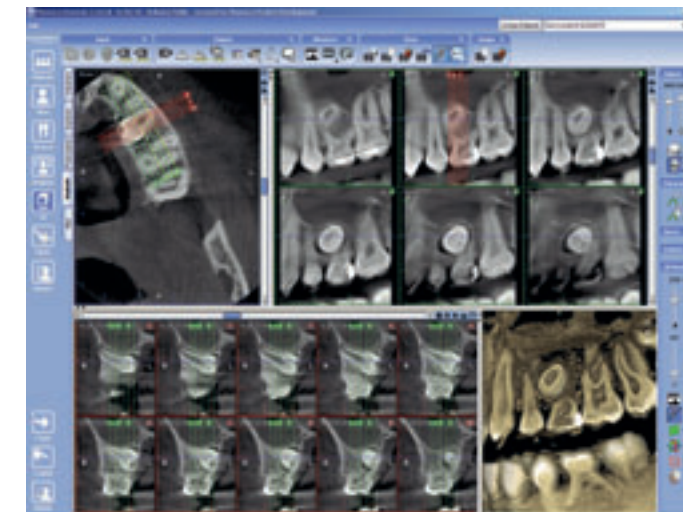
As the imaging sensor of Planmeca ProMax 3D covers the whole dentition area, the unit gives a clear view of the mandible and maxilla. It is a genuine all-in-one unit, providing digital panoramic, cephalometric and 3D imaging, as well as advanced imaging software tools. The unit is a Cone Beam Volumetric Tomography unit, supplying clear imaging with a limited radiation dose, and it is based on the Planmeca ProMax platform utilising SCARA technology.



Implant case



Large View



Impacted tooth

VERSATILE 3D DIAGNOSTICS

With Planmeca ProMax 3D, study volume sizes can be selected to meet diagnostic needs without excess radiation outside the area of interest. The $\varnothing 80 \times 80$ mm image size is optimal for most diagnostic applications that require whole dentition, mandible and maxilla in the same study volume. The $\varnothing 80 \times 50$ mm volume can be used for single views of the mandible or maxilla, and the small $\varnothing 34 \times 42$ mm volume is intended for molar area studies or for planning 3rd molar extractions. The basic volumes can also be stitched together to generate a larger view of patient anatomy.

SMALL RADIATION DOSE

Planmeca ProMax 3D utilises Cone Beam Volumetric Tomography (CBVT) technology. It is ideal for dedicated imaging of the maxillo-facial complex as it uses a pyramid-shaped beam to scan the entire region of interest in a single semicircle scan, as opposed to a medical CT that takes multiple axial slices in multiple full circle scans. During the scan, each image is generated using a short X-ray pulse instead of continuous radiation. The total scanning time is 18 seconds for one volume, but the actual exposure time is only 3 seconds at the shortest.

DETAILED IMAGES

Planmeca's proprietary 3D reconstruction algorithm converts the original 2D transillumination images to a 3D study, making it the core component for high-quality 3D imaging. The algorithm handles high-contrast objects, like amalgam fillings, in a special way to produce undisturbed study views. The reconstructed image volume consists of millions of voxels. These voxels are isotropic, enabling accurate 1:1 measurements and ensuring geometric relations throughout the image. The extremely small voxels produce detailed high-resolution images without artefacts.

SMARTPAN

A unique SmartPan imaging system uses the same 3D sensor also for panoramic imaging. This eliminates the need to change sensors, making the workflow faster and safer. SmartPan also allows the user to select the most optimal panoramic layer after the exposure.

UNEQUALLED IMAGING PROGRAMS

Planmeca ProMax 3D complies with a multitude of diagnostic requirements: those of implantology, endodontics, periodontics, orthodontics, as well as dental and maxillofacial surgery, and TMJ analysis. It makes all anatomical structures, angles and orientations clearly visible and produces high-resolution volumetric studies of mandible and maxilla, full visualisation of all classes of orthodontic malocclusion, and accurate TMJ studies.

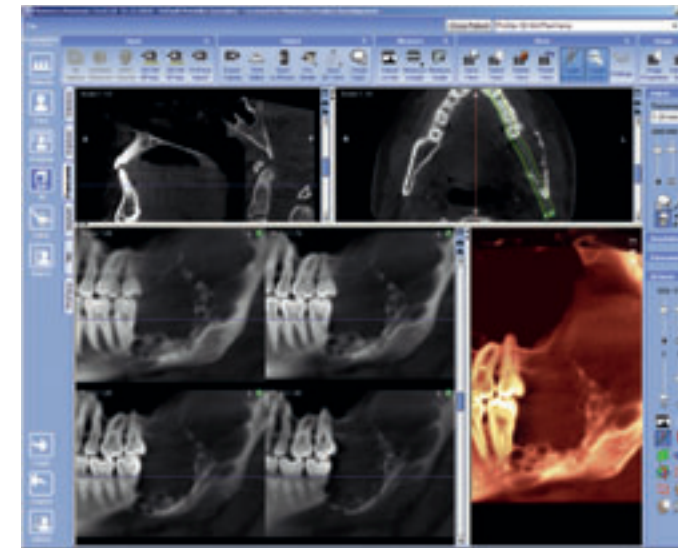
VOLUME SIZES

Standard volumes $\varnothing 80 \times 80$ mm (child mode $\varnothing 68 \times 68$ mm), $\varnothing 80 \times 50$ mm (child mode $\varnothing 68 \times 42$ mm), $\varnothing 40 \times 80$ mm (child mode $\varnothing 34 \times 68$ mm), and $\varnothing 40 \times 50$ mm (child mode $\varnothing 34 \times 42$ mm). Stitched volume $140 \times 105 \times 130$ mm

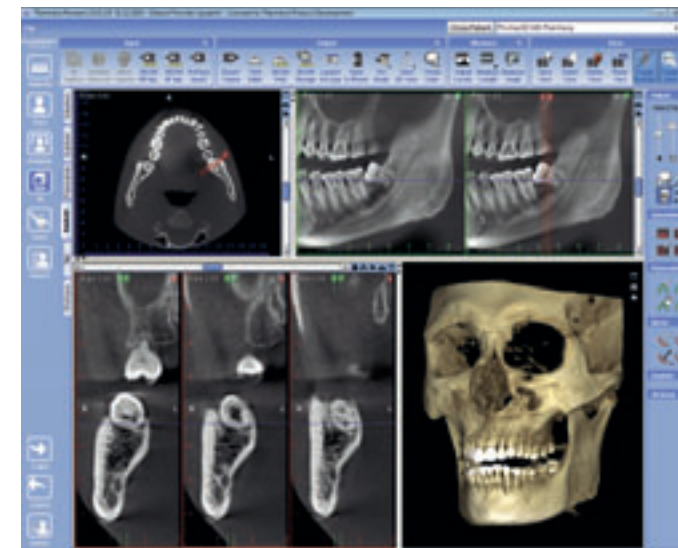


Planmeca ProMax 3D Mid

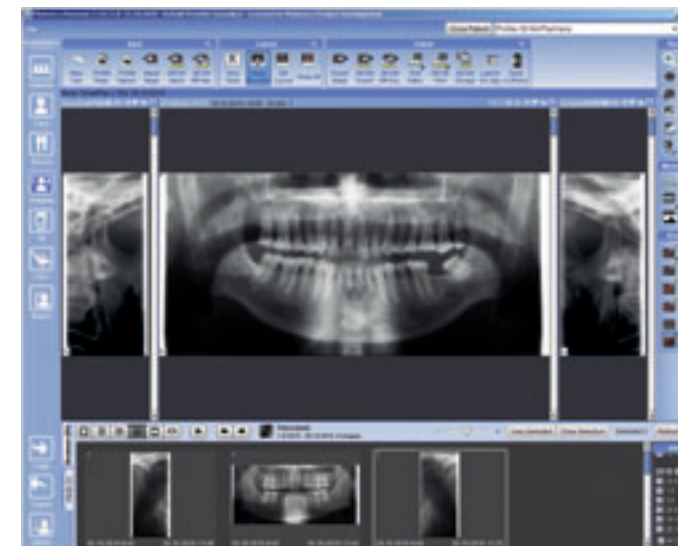
Thanks to the wide volume size range Planmeca ProMax 3D Mid produces, the unit handles the most versatile diagnostic tasks without compromising best practices. It is a genuine all-in-one unit, providing digital panoramic, cephalometric and 3D imaging, as well as advanced imaging software tools. The unit is a Cone Beam Volumetric Tomography unit, supplying clear imaging with a limited radiation dose, and is based on the Planmeca ProMax platform utilising SCARA technology.



Large tumor in mandible



Wisdom tooth case



SmartPan + TMJ

WIDE VARIETY OF VOLUME SIZES

Planmeca ProMax 3D Mid offers the widest selection of volume sizes, including everything from small size ($\varnothing 34 \times 42$ mm) for single-tooth imaging to maxillofacial image size ($\varnothing 160 \times 160$ mm). An optimal volume size can be found for all applications, e.g. for endodontics requiring high resolution, for implantology requiring images with a smaller field of view, and for orthodontics requiring large image sizes. The basic volumes can also be stitched together to generate a larger view of patient anatomy.

SMALL RADIATION DOSE

Planmeca ProMax 3D Mid utilises Cone Beam Volumetric Tomography (CBVT) technology. It is ideal for dedicated imaging of the maxillofacial complex as it uses a pyramid-shaped beam to scan the entire region of interest in a single semicircle scan, as opposed to a medical CT that takes multiple axial slices in multiple full circle scans. During the scan, each image is generated using a short X-ray pulse instead of continuous radiation. The total scanning time is 18 seconds for one volume, but the actual exposure time is only 3 seconds at the shortest.

DETAILED IMAGES

Planmeca's proprietary 3D reconstruction algorithm converts the original 2D transillumination images to a 3D study, making it the core component for high-quality 3D imaging. The algorithm handles high-contrast objects, like amalgam fillings, in a special way to produce undisturbed study views. The reconstructed image volume consists of millions of voxels. These voxels are isotropic, enabling accurate 1:1 measurements and ensuring geometric relations throughout the image. The extremely small voxels produce detailed high-resolution images without artefacts.

SMARTPAN

A unique SmartPan imaging system uses the same 3D sensor also for panoramic imaging. This eliminates the need to change sensors, making the workflow faster and safer. SmartPan also allows the user to select the most optimal panoramic layer after the exposure.

UNEQUALLED IMAGING PROGRAMS

Planmeca ProMax 3D Mid complies with a multitude of diagnostic requirements: those of implantology, endodontics, periodontics, orthodontics, as well as dental and maxillofacial surgery, and TMJ analysis. It makes all anatomical structures, angles and orientations clearly visible and produces high-resolution volumetric studies of mandible and maxilla, full visualisation of all classes of orthodontic malocclusion, and accurate TMJ studies.

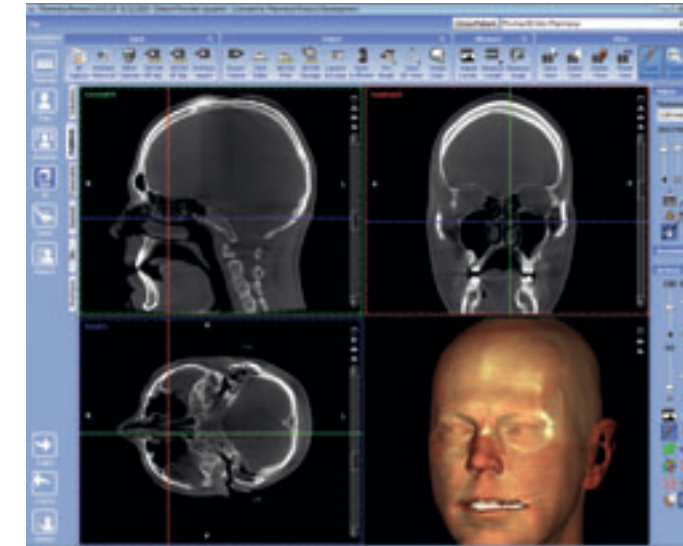
VOLUME SIZES

Standard volumes $\varnothing 160 \times 90$ mm (child mode $\varnothing 160 \times 90$ mm), $\varnothing 160 \times 50$ mm (child mode $\varnothing 160 \times 50$ mm), $\varnothing 90 \times 90$ mm (child mode $\varnothing 75 \times 75$ mm), $\varnothing 90 \times 50$ mm (child mode $\varnothing 75 \times 42$ mm), $\varnothing 70 \times 70$ mm (child mode $\varnothing 60 \times 60$ mm), $\varnothing 70 \times 50$ mm (child mode $\varnothing 60 \times 42$ mm), $\varnothing 40 \times 70$ mm (child mode $\varnothing 34 \times 60$ mm), and $\varnothing 40 \times 50$ mm (child mode $\varnothing 34 \times 42$ mm). Stitched volume $\varnothing 160 \times 160$ mm (child mode $\varnothing 160 \times 160$ mm).

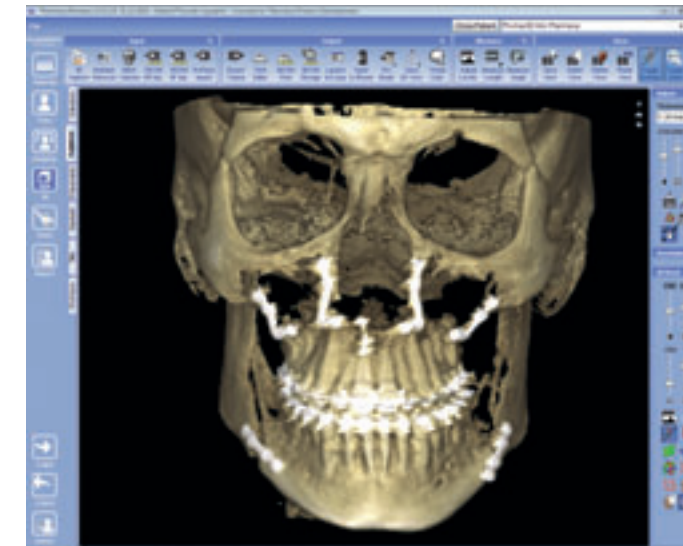


Planmeca ProMax 3D Max

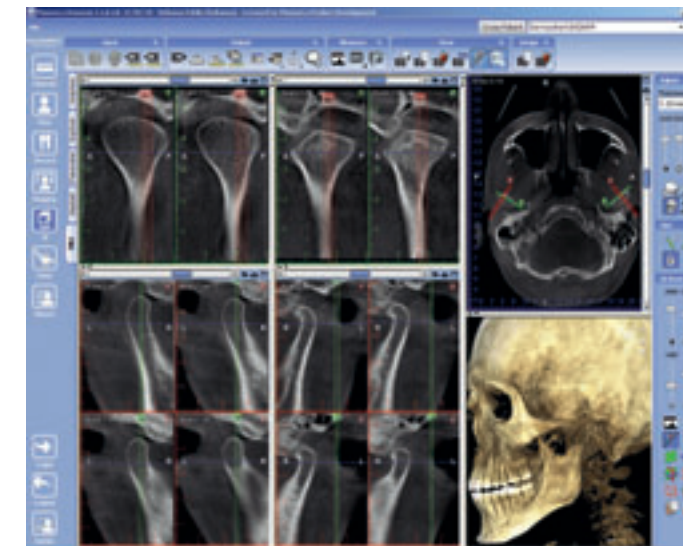
Planmeca ProMax 3D Max, a dedicated 3D imaging device, produces all the volume sizes required when diagnosing the maxillofacial region: a suitable volume size is available from the smallest special cases to whole-head images. The unit is a Cone Beam Volumetric Tomography unit supplying clear 3D imaging with a limited radiation dose, and is based on the Planmeca ProMax platform utilising SCARA technology.



Full skull



Class III Malocclusion



TMJ case

MAXIMISED 3D DIAGNOSTICS

With Planmeca ProMax 3D Max, imaging any region of interest in the maxillofacial region is effortless, as the volume sizes include everything from full maxillofacial image size (Ø230 x 260 mm) to the smallest size (Ø42 x 50 mm) intended for single-tooth imaging. Thanks to this wide image size variety, the system completely fulfils the ALARA principle in all diagnostic tasks.

SMALL RADIATION DOSE

Planmeca ProMax 3D Max utilises Cone Beam Volumetric Tomography (CBVT) technology. It is ideal for dedicated imaging of the maxillofacial complex as it uses a pyramid-shaped beam to scan the entire region of interest in a single semicircle scan, as opposed to a medical CT that takes multiple axial slices in multiple full circle scans. During the scan, each image is generated using a short X-ray pulse instead of continuous radiation. The total scanning time is 18 seconds for one volume, but the actual exposure time is only 3 seconds at the shortest.

DETAILED IMAGES

Planmeca's proprietary 3D reconstruction algorithm converts the original 2D transillumination images to a 3D study, making it the core component for high-quality 3D imaging. The algorithm handles high-contrast objects, like amalgam fillings, in a special way to produce undisturbed study views. The reconstructed image volume consists of millions of voxels. These voxels are isotropic, enabling accurate 1:1 measurements and ensuring geometric relations throughout the image. The extremely small voxels produce detailed high-resolution images without artefacts.

UNEQUALLED IMAGING PROGRAMS

Planmeca ProMax 3D Max complies with a multitude of diagnostic requirements: those of implantology, endodontics, periodontics, orthodontics, as well as dental and maxillofacial surgery, and TMJ analysis. It makes all anatomical structures, angles and orientations clearly visible and produces high-resolution volumetric studies of mandible and maxilla, full visualisation of all classes of orthodontic malocclusion, and accurate TMJ studies.

VOLUME SIZES

Standard volumes Ø230 x 160 mm (child mode Ø230 x 160 mm), Ø130 x 160 mm (child mode Ø110 x 136 mm), Ø130 x 130 mm (child mode Ø110 x 110 mm), Ø130 x 90 mm (child mode Ø110 x 75 mm), Ø130 x 55 mm (child mode Ø110 x 50 mm), Ø100 x 130 mm (child mode Ø85 x 110 mm), Ø100 x 90 mm (child mode Ø85 x 75 mm), Ø100 x 55 mm (child mode Ø85 x 50 mm), and Ø50 x 55 mm (child mode Ø42 x 50 mm). Stitched volume Ø230 x 260 mm (child mode Ø230 x 260 mm)



Planmeca ProMax 3D ProFace

Planmeca ProMax 3D ProFace is a Cone Beam Volumetric Tomography (CBVT) imaging device with a unique combination of 3D images: it produces a realistic 3D face photo in addition to traditional maxillofacial 2D and 3D radiography. The 3D face photo is acquired in a radiation-free process. Combined with the patient's CBVT image, the 3D photo is a valuable asset for both pre-operative planning and treatment follow-up. Planmeca ProMax 3D ProFace unit is based on the Planmeca ProMax platform utilising the acknowledged SCARA technology delivering clear 3D imaging with a limited radiation dose.



3D FACE PHOTO IS RADIATION-FREE

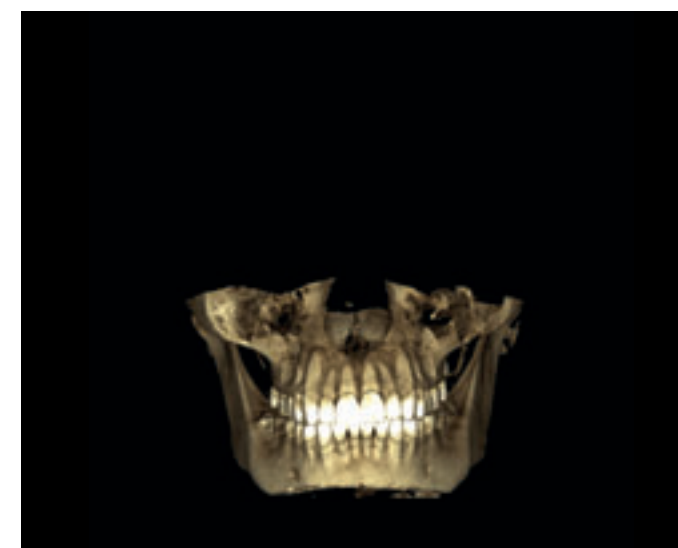
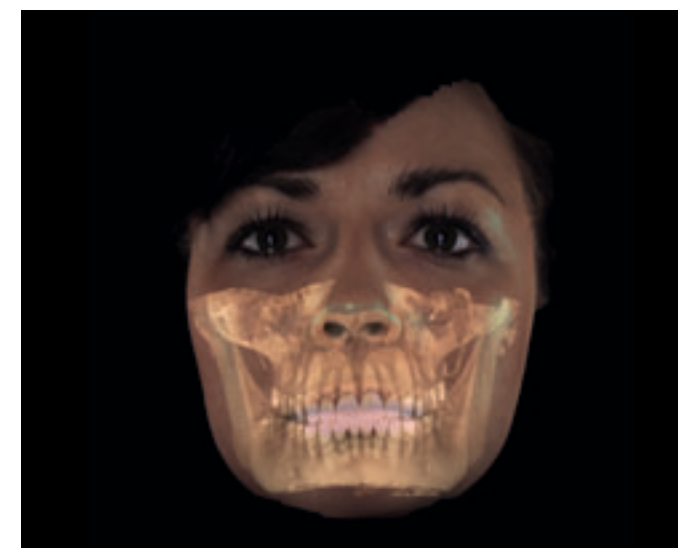
Acquiring a 3D face photo requires no additional steps in the workflow: the unit acquires both a 3D photo and a CBVT image in one rotation. Alternatively, the 3D photo can be acquired separately. The 3D photo is a result of a completely radiation-free process: lasers scan the facial geometry, and digital cameras capture the colour texture of the face. The Planmeca Romexis software then combines the information into a 3D photo that can be analysed as a separate image or as part of a CBVT image.

ADVANTAGES OF 3D PHOTO

The 3D photo visualises soft tissue in relation to facial bones and dentine, making it a safe and effective follow-up tool for orthodontic, maxillofacial and aesthetic operations. As Planmeca ProMax 3D ProFace acquires both a CBVT image and a 3D photo in single scan, the patient position, facial expression, and muscle position remain unchanged, resulting in perfectly compatible images. 3D photo makes comparing the pre- and postoperative 3D photos easy for visualizing the aesthetic results, and is thus a great tool for preoperative planning and treatment follow-up. Furthermore, the medical professionals can study the facial anatomy more carefully to facilitate a more detailed operation and improved outcomes.

BASED ON PLANMECA PROMAX PLATFORM

Planmeca ProMax 3D ProFace also functions as a Planmeca ProMax 3D CBVT unit. In addition to 3D photos, it is ideal for acquiring panoramic, cephalometric and CBVT images. Thus the unit meets the increasingly demanding requirements within dentistry and maxillofacial surgery. The unique SmartPan imaging system uses the same 3D sensor for panoramic imaging. Therefore, no sensor changes are required yielding a faster and safer workflow.

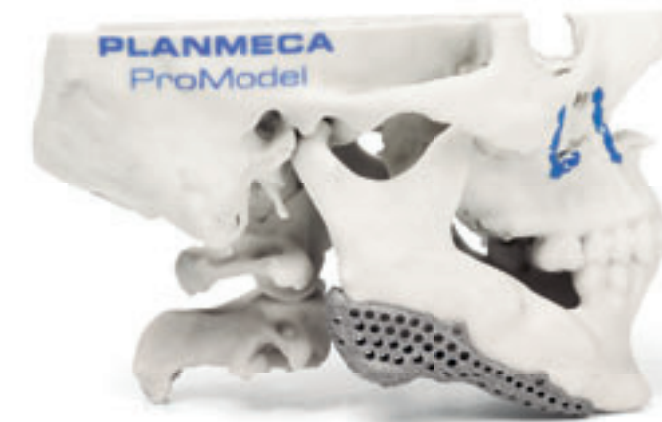
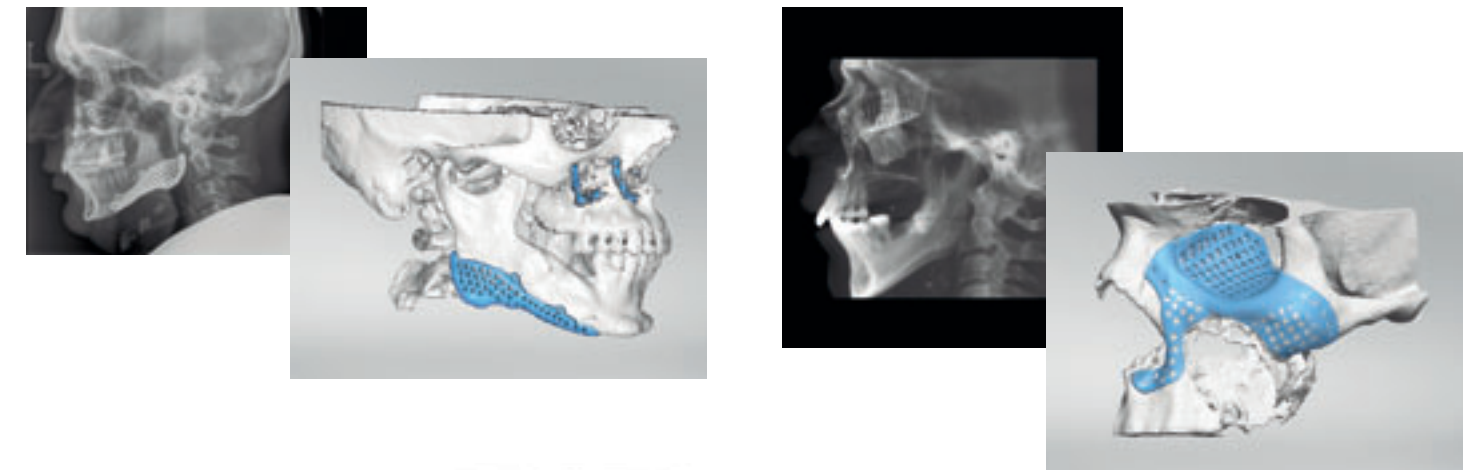




Planmeca ProModel



Planmeca ProModel service provides the physical model and individually designed implants for demanding maxillofacial surgery. The Planmeca ProModel physical model is created directly from the acquired Planmeca ProMax 3D volume. By reproducing the anatomy of the patient in real-size, Planmeca ProModel allows enhanced preoperative planning and thus accurate and fast surgery. The unique, patient-specific implant is designed by professional implant designers in cooperation with the surgeon. The perfectly fitting implant is easy to install and improves aesthetic result. Planmeca ProModel service adds exceptional value to the comprehensive treatment process.

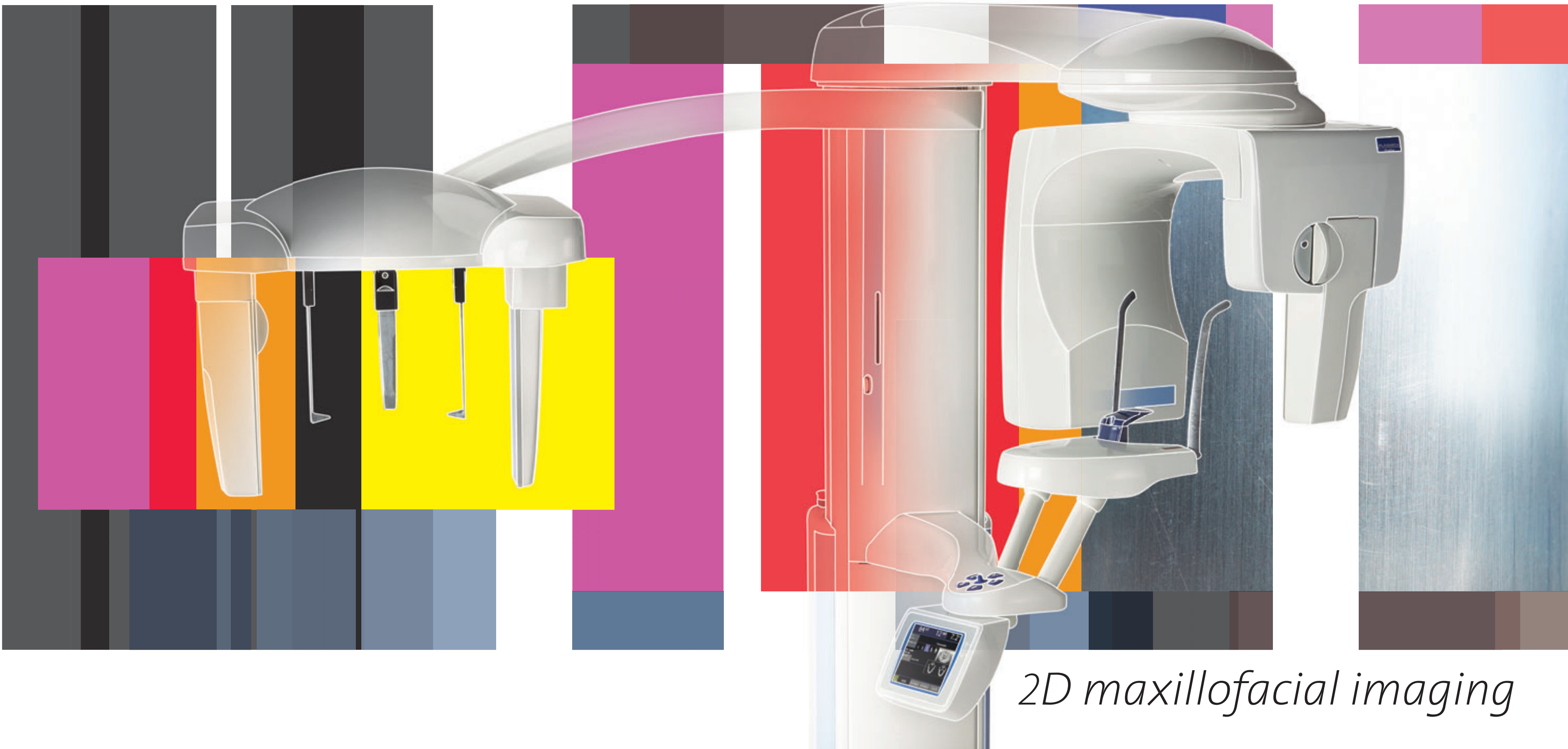


BULLET IN THE RIGHT MANDIBLE

Trauma caused by bullet in the right mandible. The first step of the treatment was orthognathic operation for occlusion reconstruction, after which an individual implant was designed for retrieving symmetry. The implant was designed in the shape of a pouch and filled with bioactive glass and patient's bone. The reconstructive operation resulted in symmetrical face.

LOW-GRADE FIBROSARCOMA

Patient diagnosed with low-grade fibrosarcoma on the left side of the face. The implant was designed according to the surgeon's instructions by utilising a virtual 3D model of the patient anatomy. After surgical tumour resection, the reconstruction of the extracranial part was conducted using a combined orbit-zygoma onlay implant.

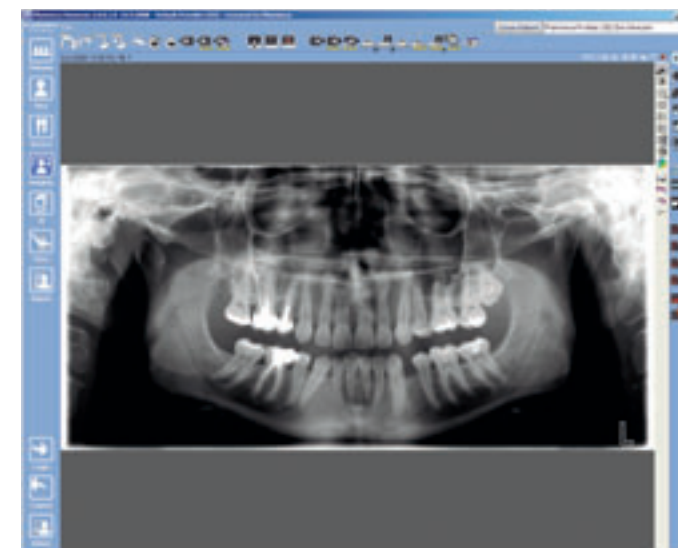


2D maxillofacial imaging

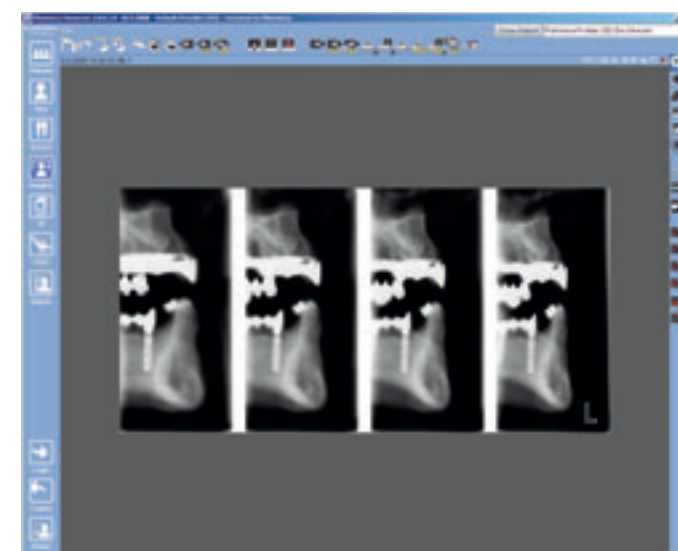


Planmeca ProMax

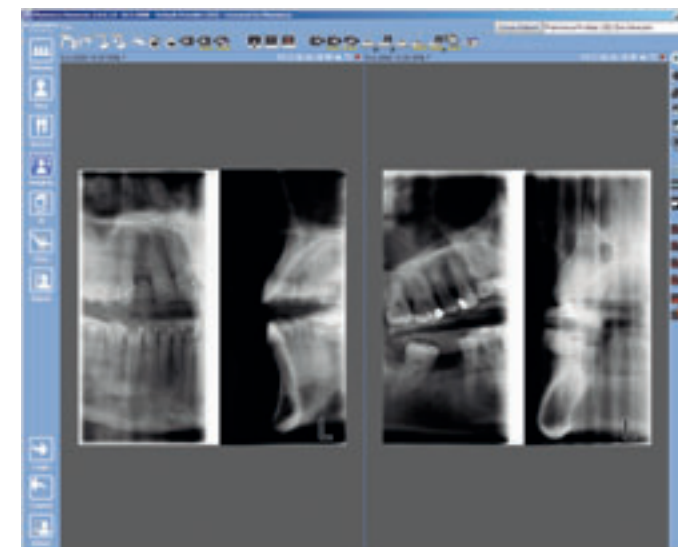
The revolutionary Planmeca ProMax X-ray unit provides a wide range of extraoral X-ray imaging modalities for the needs of modern dentistry: panoramic radiographs for imaging of the dental arch, jaw, the maxillary sinuses and the temporomandibular joints, as well as dental tomographic slices and cephalometric studies. Planmeca ProMax also features open patient positioning, a graphical user interface, focal layer optimisation and a wide a variety of imaging programs – characteristic of all Planmeca imaging devices.



Standard Panoramic



4 cross-sectional tomograms



Combined tomography

UNLIMITED MOVEMENT RANGE

Planmeca ProMax utilises unique SCARA technology (Selectively Compliant Articulated Robot Arm), which is an electro-mechanical construction providing the flexible, precise, and complex movements required in rotational maxillofacial radiography. SCARA technology is combined with real-time computation of dynamic rotation patterns. These enable optimised radiography of each patient's anatomy, meeting virtually any diagnostic requirement in maxillofacial dentistry.

OPTION FOR CEPHALOMETRY

Cephalometry performed with Planmeca ProMax is easier and more accurate than ever before. The unit automatically aligns itself, and changing the place of the digital sensor easily turns over the imaging modality to cephalometric imaging. The patient's head is scanned horizontally with a narrow X-ray beam, resulting in reduced scattered radiation.

NEW OPPORTUNITIES WITH TOMOGRAPHY

Planmeca ProMax tomography system produces clear tomographic slices of any part of the maxilla, mandible or temporomandibular joints. The tomogram can be cross-sectional or longitudinal, and it is adjustable to any specific angle. The tomographic imaging procedure is straightforward; the operator simply selects the target, the required view and the slice thickness on the graphical user interface. Additionally, several automatic programs are available.

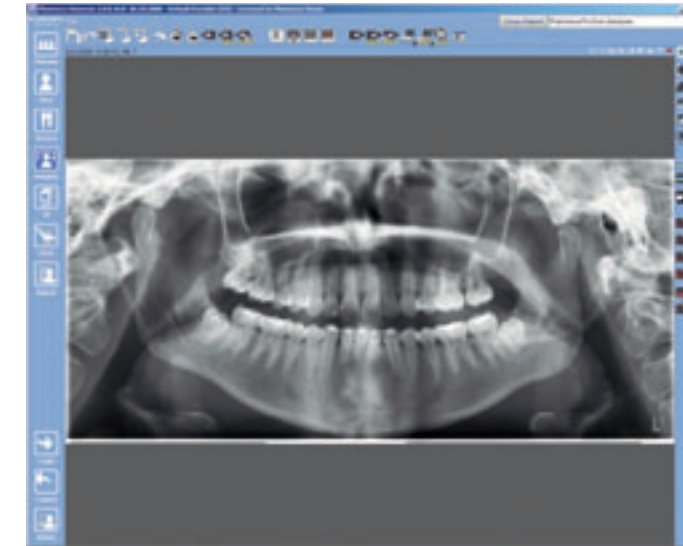
UPGRADEABILITY TO 3D

The Planmeca ProMax platform is unique in that it allows effortless upgradeability. Any Planmeca ProMax unit can be upgraded to a 3D Cone Beam Volumetric Tomography (CBVT) unit by simply changing the imaging sensor and uploading software upgrades. New imaging programs can also be added with software upgrades.

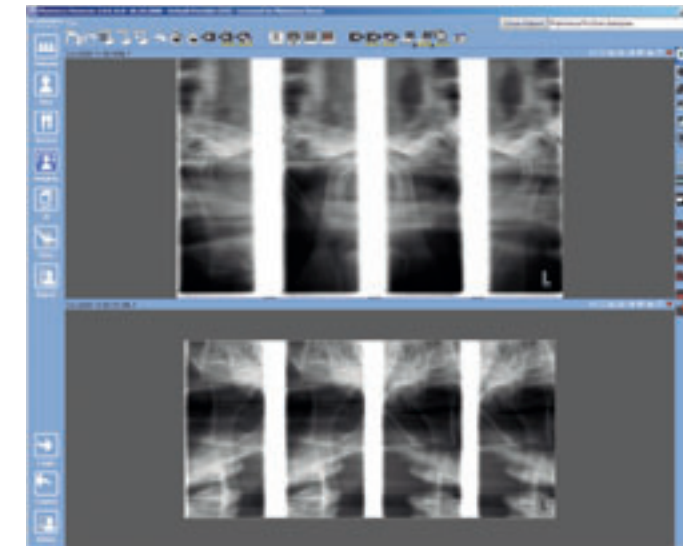


Planmeca ProOne

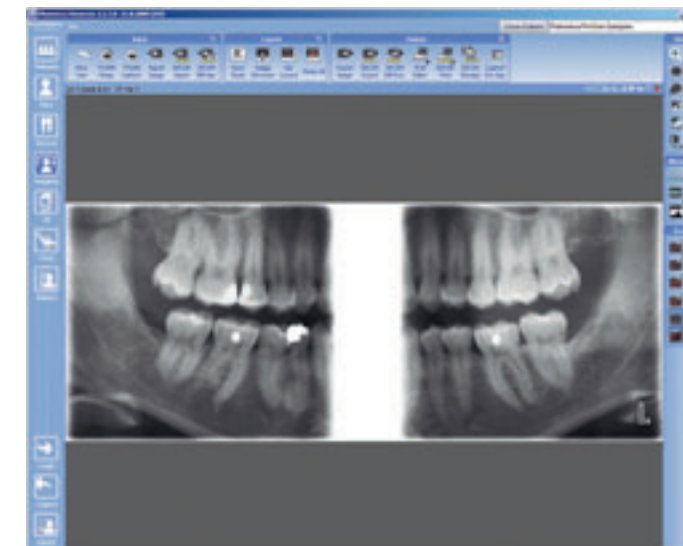
The fully digital Planmeca ProOne X-ray unit combines absolute ease of use with cutting-edge technology. The wide selection of exposure programs and parameters on the unit's graphical user interface ensures that all types of panoramic radiographic examinations are extremely rapid and effortless to perform. Thanks to its small size, Planmeca ProOne brings the benefits of digital imaging within the reach of every dentist the world over.



Standard Panoramic



Lateral Double TMJ



Bitewing

OPTIMAL IMAGING PROGRAMS

Planmeca ProOne provides a variety of all-round imaging programs for different radiographic needs. Besides the Standard Panoramic Program, the following programs are provided for more specific diagnostic needs: Improved Interproximal, Improved Orthogonal, Bitewing, Pediatric, Segmenting, Sinus, Double TMJ, and Cross-section programs. Selection of correct exposure formats minimises the radiation dose for all types of patients and diagnostic purposes.

USER INTERFACE PROVIDES GUIDANCE

The full colour TFT display has a graphical user interface that guides the operator with text and clear symbols. All settings are logically grouped and easy to understand, speeding up the imaging procedure and allowing the operator to focus fully on patient positioning and communication.

EASY PATIENT POSITIONING

The side entry and open patient positioning minimise errors caused by incorrect patient positioning, as the user can monitor the patient freely from the front and side. The side entry allows easy access for all patients; standing, seated, or even with the patient lying in a hospital bed. Patient positioning is assisted by a triple laser beam system indicating the correct anatomical positioning points.

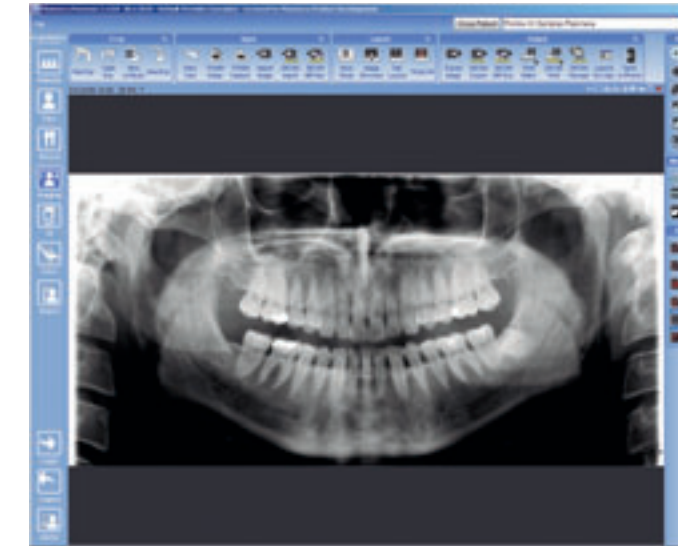
ERROR-FREE FOCAL LAYER POSITIONING

To produce accurate and undistorted radiographs, the form of the focal layer was designed to follow the scientifically defined shape of the human dental arch and jaw. Additionally, the user can further adjust the shape of the focal layer according to the anatomical characteristics of the patient, and the unique Autofocus feature automatically positions the focal layer using a brief scout exposure. These features make positioning practically error-free and reduce retakes remarkably.

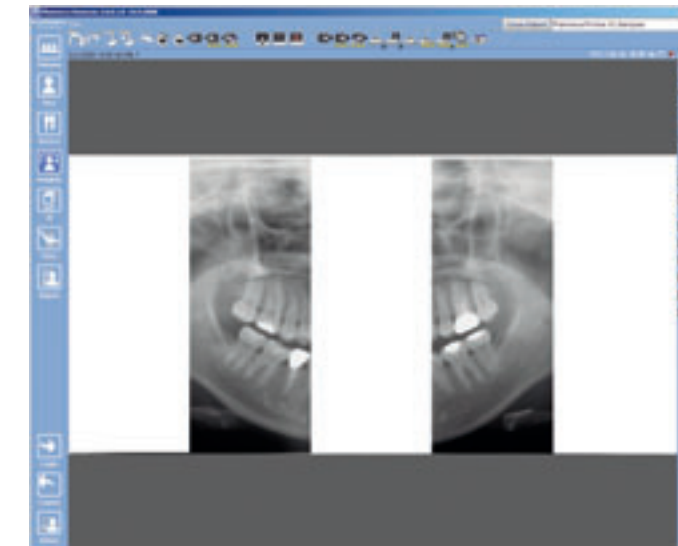


Planmeca Proline XC

Planmeca Proline XC provides well-proven panoramic imaging capabilities and ease of use for any dental practice. The unit features a full colour TFT display and a graphical user interface, versatile imaging programs, as well as side entry and open patient positioning. Anatomically correct imaging geometry results in accurate and undistorted images every time. Planmeca Proline XC is available in two versions: film-based and fully digital. A film unit can be digitalised at any time in the future.



Standard Panoramic



Standard Panoramic, segmented



Lateral cephalometric

OPTION FOR CEPHALOMETRY

A cephalometric system is available for the Planmeca Proline XC unit, either factory-installed or as a retrofit. The digital cephalostat scans the patient's head horizontally with a narrow X-ray beam, and Planmeca's unique design allows exceptional flexibility in image format. With digital imaging technique, soft tissue can be made visible by the Planmeca Romexis software. Cephalostat is also available for a film-based unit.

OPTIMAL IMAGING PROGRAMS

Planmeca Proline XC provides a variety of all-round imaging programs for different radiographic needs. Besides the Standard Panoramic program, the following programs are provided for more specific diagnostic needs: Pediatric, Vertical Segmenting, Sinus, Double TMJ, and True Profile TMJ program. Selection of correct exposure formats minimises the radiation dose for all types of patients and diagnostic purposes.

USER INTERFACE PROVIDES GUIDANCE

The full colour TFT display has a graphical user interface that guides the operator with text and clear symbols. All settings are logically grouped and easy to understand, speeding up the imaging procedure and allowing the operator to focus fully on patient positioning and communication.

EASY PATIENT POSITIONING

The side entry and open patient positioning minimise errors caused by incorrect patient positioning, as the user can monitor the patient freely from the front and side. The side entry allows easy access for all patients; standing, seated, or even with the patient lying in a hospital bed. Patient positioning is assisted by a triple laser beam system indicating the correct anatomical positioning points.

ERROR-FREE FOCAL LAYER POSITIONING

In Planmeca Proline XC, the form of the focal layer follows the scientifically defined shape of the human dental arch and jaw, which results in panoramic radiographs with clearly superior clinical quality. The unit's imaging geometry efficiently eliminates shadows and ghost images caused by objects outside the image layer, increasing the diagnostic value of the radiograph.

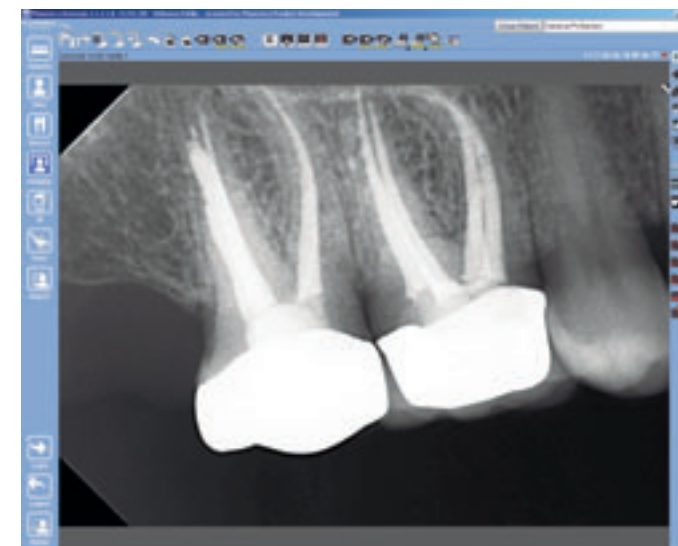


Intraoral imaging



Planmeca Intra

Advanced technology and practical design make the Planmeca Intra X-ray unit the premium choice for intraoral radiography. The freely selectable exposure parameters (kV, mA, exposure time) maximise the diagnostic value of intraoral radiography, and the pre-programmed quick settings make the operation fast and effortless. The non-symmetric design of the X-ray tube head makes aiming exceptionally easy and precise.



FOR EFFICIENT WORKFLOW

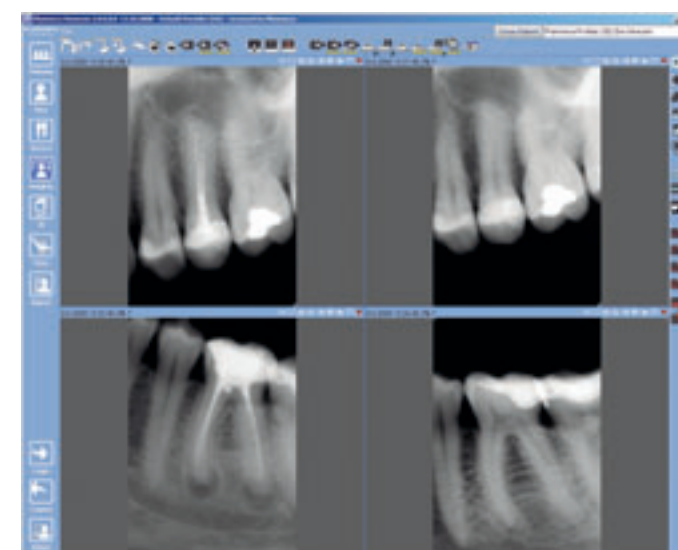
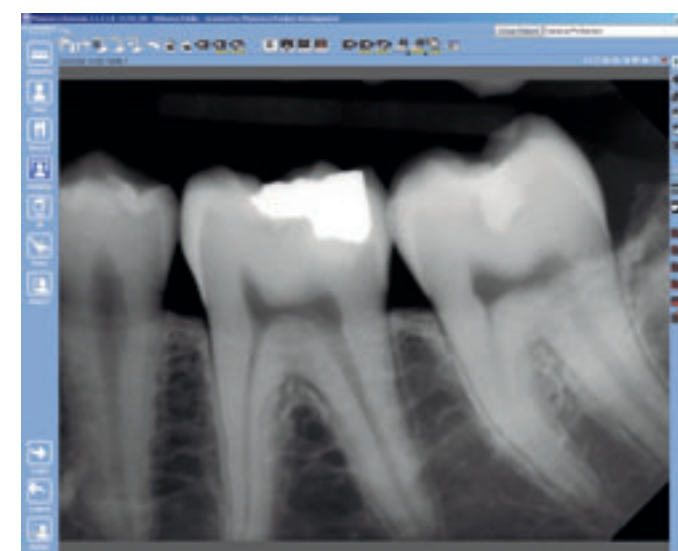
Planmeca Intra adapts to short cone as well as to long cone imaging techniques. Furthermore, an additional rectangular collimator can be adapted for the long cone for maximal radiation hygiene. The steady X-ray unit arm provides accurate and drift-free positioning of the lightweight tube head. With the unit's versatile installation options, the reach is amply sufficient for different practice designs.

QUICK SETTINGS FOR IMAGING PARAMETERS

Planmeca Intra is pre-programmed with 66 quick settings for different exposure value combinations. Imaging parameters are automatically retrieved according to the selected exposure region and the diagnostic need, and the values can also be manually adjusted if needed. A simple selection of the image receptor automatically adapts the pre-programmed settings to film, imaging plate or digital sensors, allowing fast transition to new imaging technologies without reprogramming.

COMBINE WITH DIGITAL IMAGING SENSOR

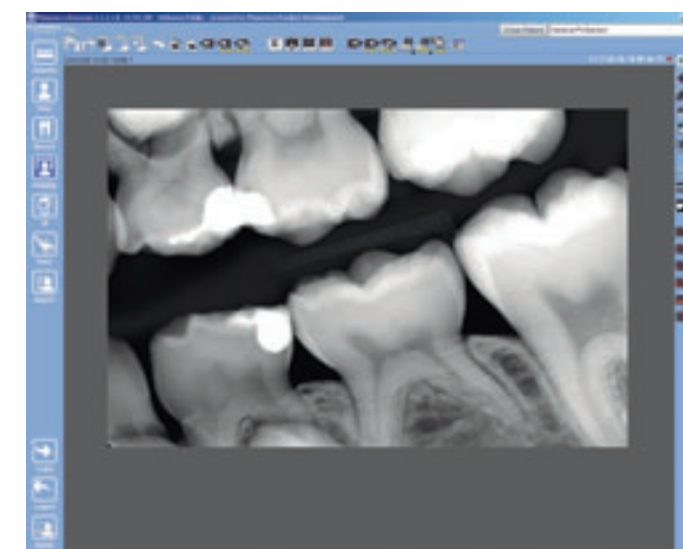
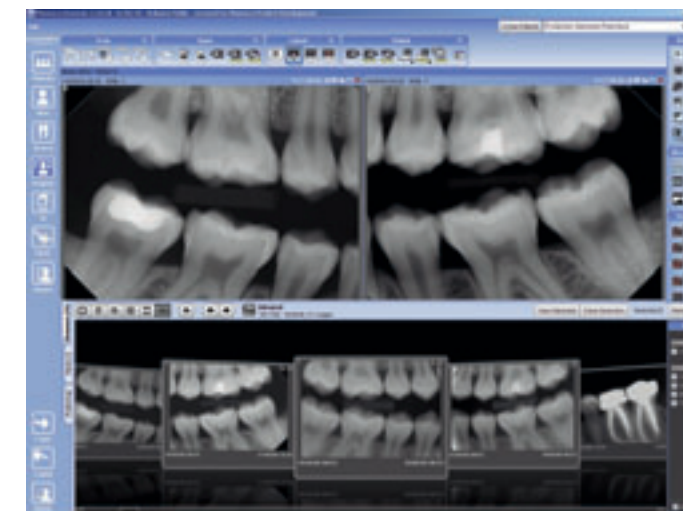
Ultimate user-friendliness is achieved when the unit is used together with the Planmeca ProSensor digital sensor system. After exposure, the image is displayed on the screen within seconds, shortening the time needed for an intraoral X-ray examination when compared with imaging plates or conventional film.





Planmeca ProSensor

Planmeca ProSensor intraoral sensor is a unique combination of high-end patient-centred design, usability and durability, ensuring smooth workflow and patient safety in all treatment situations. Intelligently designed sensor housing, revolutionary magnetic connector, robust and durable cable, and LED light on the control box indicating the state of the sensor system together with the cutting-edge technology guarantee success with every image.



ROBUST SENSOR

The intelligent sensor housing design with its rounded edges and extensive active imaging area maximises both patient comfort and imaging performance. Inside the sensor cable there are only two wires. Hermetically sealed, the sensor can be fully immersed in disinfectant for effective infection control and prevention.

MAGNETIC CONNECTOR

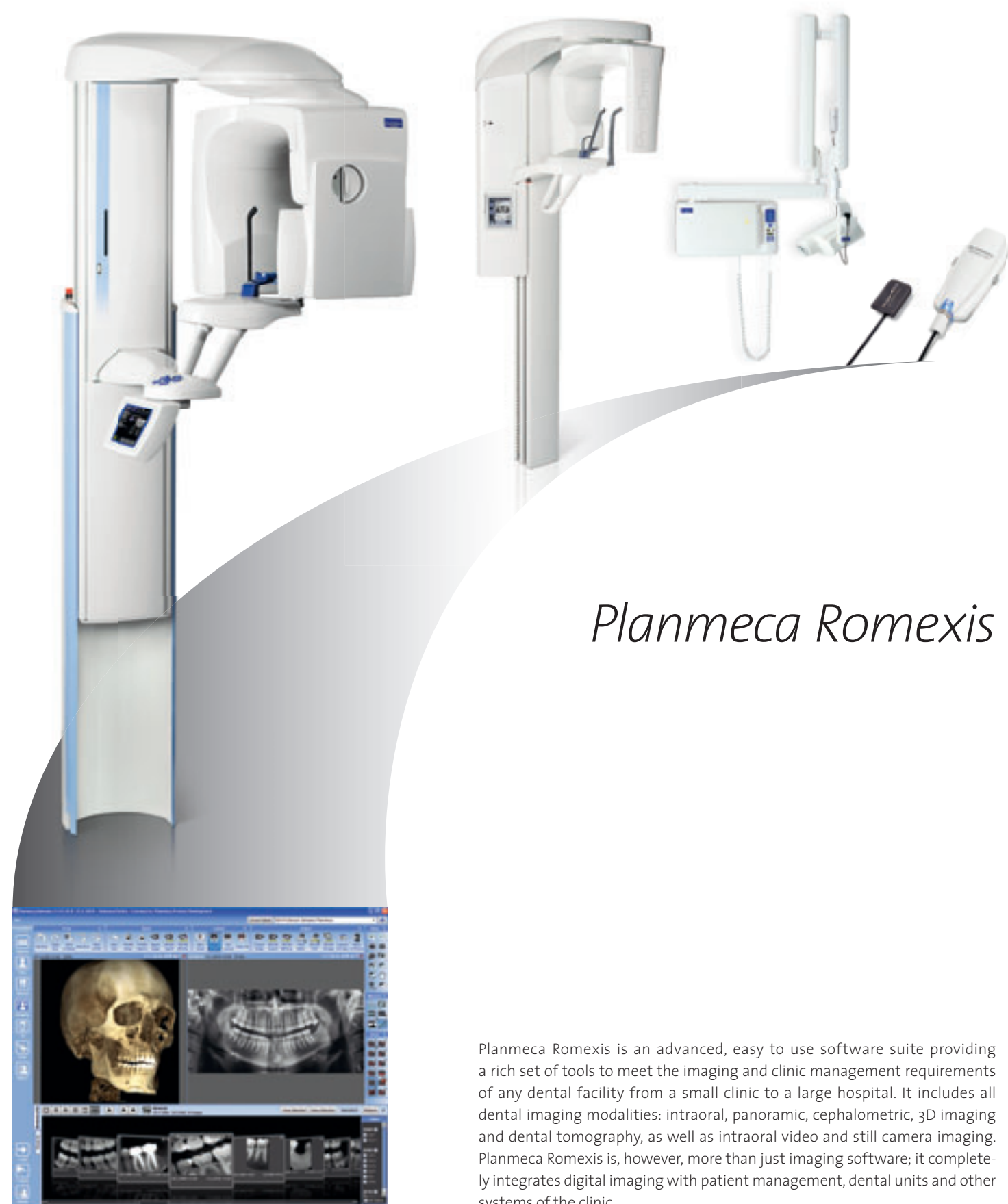
Planmeca ProSensor, with three sensor sizes, makes no compromises when it comes to usability. The magnetic connector between the sensor and the control box allows easy connection and convenient one-hand operation ensuring the sensor is always correctly inserted. Moreover, it also enhances safety; if the X-ray source or patient moves drastically, the connection is instantly interrupted to eliminate the risk of hurting the patient.

EASY WORKFLOW

The control box features a LED light whose different colours indicate the state of the sensor system guiding the user and ensuring successful image acquisition and better image quality. Planmeca ProSensor is available with either a USB or an Ethernet interface. The TrollByte Plus sensor holder designed for full-mouth survey guarantees excellent images even in hard-to-reach areas without compromising the patient's comfort.



Software



Planmeca Romexis

Planmeca Romexis is an advanced, easy to use software suite providing a rich set of tools to meet the imaging and clinic management requirements of any dental facility from a small clinic to a large hospital. It includes all dental imaging modalities: intraoral, panoramic, cephalometric, 3D imaging and dental tomography, as well as intraoral video and still camera imaging. Planmeca Romexis is, however, more than just imaging software; it completely integrates digital imaging with patient management, dental units and other systems of the clinic.



SINGLE SOFTWARE FOR ALL IMAGES

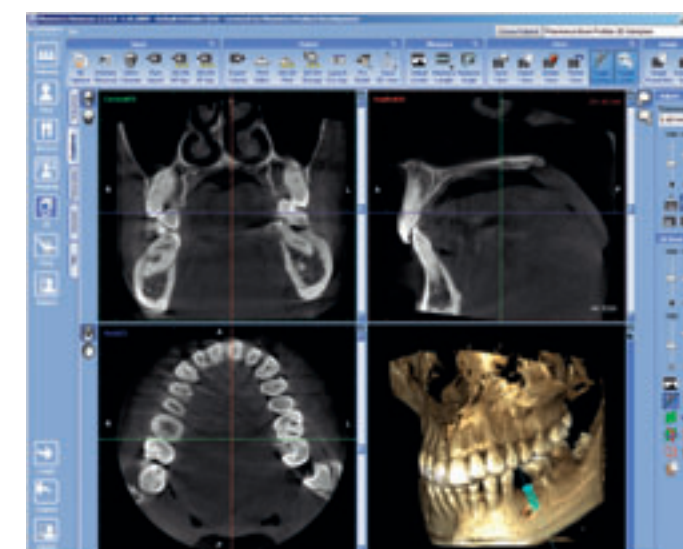
All patient images – intraoral and extraoral radiographs, scans, photographs, 3D X-ray images and 3D photos – are displayed in a single interface. The 2D images can be freely viewed and processed, and the 3D images navigated and re-sliced in real-time. Powerful tools allow measuring along any plane in 3D space and measurements can be easily recalled for viewing. The 3D rendered view gives an immediate overview of the anatomy, and the images can be viewed from different projections. Panoramic projections, cross sectional and axial slices, nerve canal tracing and implant libraries are also available.

USEFUL IMAGES WITH EXCELLENT TOOLS

With a complete set of tools for image viewing, enhancement, measurement, drawing and annotations, Planmeca Romexis improves the diagnostic value of radiographs. Versatile printing and image import and export functionalities are also included. The software consists of different modules from which you can choose those that best suit your needs. For example, the 3D Implant Planning module offers tools for accurate implant placement and nerve tracing. The implant placements are determined with the help of an implant model sized of an actual implant.

MAXIMUM USABILITY

Planmeca Romexis integrates a variety of third party equipment through the industry standard TWAIN interface and communicates via the DICOM standard. It is a JAVA based software and compatible with Windows and Mac OS operating systems. Furthermore, all images can be sent to iPhone and iPad with one click. With Planmeca Romexis Viewer software the images can be viewed and processed outside the clinic.





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