

3D IMAGING



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Passion to innovate

An introduction from our President



“Welcome to the future of digital imaging. It gives me great pleasure to introduce you to our world-leading 3D X-ray units and **Planmeca Romexis®** imaging software – with a pioneering combination of 3D images that takes you closer for an even greater understanding of what your patients need.

I’m extremely proud of our product innovations, and for already half a century we’ve worked closely with dental professionals to set new standards in our field. What makes us a bit different is that all core product development and manufacturing takes place in Finland – ensuring exceptional quality and unmatched attention to detail at every stage of the process.

This brings us to our X-ray product family, taking care of all your 2D and 3D imaging needs in a single unit. Each product is a true all-in-one unit, offering easy-to-use controls and incredible patient comfort. We have a dedicated team of in-house R&D professionals behind the scenes, all determined to make the best possible products for you and your patients. Therefore I am thrilled to invite you to discover our complete selection of advanced 3D solutions.”

Heikki Kyösti

*President and founder
Planmeca Group*

Full range of 3D imaging units

Planmeca's broad range of 3D imaging units is guaranteed to offer something for everyone. Our state-of-the-art Planmeca Viso® and Planmeca ProMax® CBCT devices combine the latest technology with standout image quality, trailblazing usability, and best-in-class software for a complete imaging experience.



Which one is right for you

Planmeca Viso® G1

Take your clinic to the next level and go 3D with **Planmeca Viso® G1**, with top-of-the-line CBCT imaging technology covering volume sizes up to 11 x 11 cm.

Planmeca Viso® G3

Planmeca Viso® G3 is a truly multifunctional CBCT imaging device which offers premium imaging of the whole dentition. It comes with the full benefits of Viso technology, from innovative patient positioning to fantastic usability.

Planmeca Viso® G5

Planmeca Viso® G5 enables imaging beyond the dentition with its range of ENT programs. A wide selection of volume sizes and outstanding usability offer even more flexibility for a variety of imaging needs.

Planmeca Viso® G7

A state-of-the-art CBCT unit that perfectly meets all the needs and requirements of extraoral imaging – offering freely adjustable volume sizes from 3 x 3 to 30 x 30 cm.

Planmeca ProMax® 3D Classic

The imaging sensor of **Planmeca ProMax® 3D Classic** covers the whole dentition and gives a clear view of the mandible and maxilla.

Planmeca ProMax® 3D Plus

Planmeca ProMax® 3D Plus offers a wide variety of volume sizes and is a great choice for any imaging needs.

Planmeca ProMax® 3D Mid

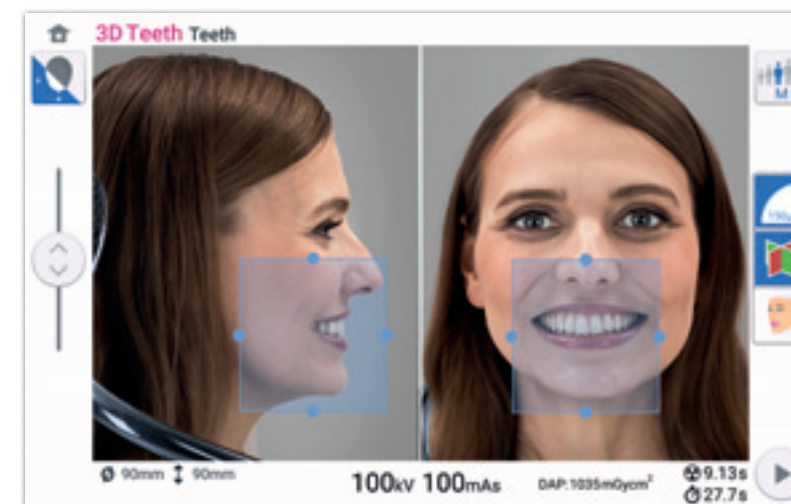
Thanks to its wide selection of volume sizes, **Planmeca ProMax® 3D Mid** easily handles a range of diagnostic tasks with no compromises in best practices.

Planmeca Viso® 3D family

The next generation has arrived

Planmeca Viso® is an ideal combination of premium image quality and high-end usability. It possesses all the qualities of a world-class CBCT unit – and more. The unit is an impressive step forward in the evolution of cone beam imaging and fulfils all extraoral imaging needs from dental to demanding maxillofacial imaging in all clinical environments, be they private clinics or large hospitals.

Maximum
volume size
Ø30 x 30 cm



Live virtual FOV positioning

Patient positioning is done directly from the CBCT unit's control panel using integrated cameras and a live patient view. Adjust the size and location of the FOV freely with just the tip of your fingers.

Freely adjustable volume

Planmeca Viso® offers a wide selection of volumes to cover all clinical needs – from single tooth to full skull imaging. The volume size can be adjusted freely. The unit's remarkable 3D sensor is also fully capable of 2D imaging.

Integrated face photo for improved patient communication

Planmeca Viso enables capturing highly detailed **Planmeca ProFace®** facial photos. It is a unique way of producing a realistic 3D face photo and a CBCT image in a single session. The 3D face photo can also be created separately, without exposing the patient to any radiation.

Intelligent patient support

The unit's occipital support provides stability without compromising patient comfort.



The size and location of the FOV can be further optimised in the scout view.

Planmeca Viso®

3D units in detail

Our family of **Planmeca Viso®** CBCT imaging units now includes four models – all offering exceptional image quality, numerous cutting-edge features, and premium usability. The units are capable of three-dimensional imaging as well as panoramic, extraoral bitewing, and cephalometric imaging. The next generation of CBCT imaging is here in full force.



Planmeca Viso® G1



Planmeca Viso® G3



Planmeca Viso® G5



Planmeca Viso® G7

	G1	G3	G5	G7
Maximum volume with a single scan	Ø11 x 11 cm	Ø20 x 10 cm	Ø20 x 10 cm	Ø30 x 20 cm
Maximum volume with multiple vertical scans			Ø20 x 17 cm	Ø30 x 30 cm
Planmeca Ultra Low Dose™ imaging	✓	✓	✓	✓
Planmeca CALM® motion artefact correction	✓	✓	✓	✓
Tube voltage 120 kV		✓	✓	✓
Endodontic mode	✓	✓	✓	✓
3D dental programs	✓	✓	✓	✓
3D ENT programs		✓	✓	✓
3D face photo		✓	✓	✓
2D panoramic imaging	✓	✓	✓	✓
Cephalometric imaging, one-shot	✓	✓	✓	✓
Live virtual patient positioning		✓	✓	✓
Rear head support		✓	✓	✓

Professionals proudly present Planmeca Viso®



“The resolution of the CBCT images is second to none. The 3D image is the best that I have seen in CBCT machines. Furthermore, I use the **Planmeca CALM®** movement correction algorithm for all cases. It helps improve the image quality greatly. My patients are very impressed with **Planmeca Viso® G7**.

Dr Chan Siew Luen
Private practice at Mount Elizabeth Medical Centre
Singapore



“As a radiologist, my experience with the Planmeca Viso CBCT unit has been exceptional. The image quality it provides is a real standout, and, in addition, it offers uniformity that is essential for ensuring accurate diagnoses. Planmeca Viso has taken our clinic to another level.

Dr Patrícia Minotto
CODI - Centro Odontológico de Diagnóstico por Imagem
Luís Eduardo Magalhães Bahia, Brazil



“It's the simplicity, the ease of it all. There isn't even a learning curve. Right away, we understood how it works and were able to use it for superb images. **Planmeca Viso® G3** gives me peace of mind and my patients my good diagnosis.

Dr Camille Bailleul
Pôle Santé de Provence, France



“Planmeca Viso G7 has consistently proven to be a versatile and reliable tool for a wide range of applications. The unit has served us well from high-resolution endodontic imaging to large-scale orthognathic cases. We also utilise it for oral and maxillofacial prosthetics, often in combination with intraoral scanning, making it a key part of our workflow. Its efficiency and adaptability have made it indispensable.

Prof Dr Vinicius Dutra
Indiana University School of Dentistry
Indianapolis, Indiana, United States



“For years, we have been participating in clinical imaging trials conducted by Planmeca. There's such a positive vibe to this cooperation. Planmeca takes genuine pride in their product know-how, and that is just a great thing to watch. We have been among the first to try out new technology. In fact, I was the first Planmeca Viso user in the whole world. We now have both the G7 and G5 versions of the CBCT unit. The best part of Planmeca Viso is its excellent image quality and the low patient doses enabled by the unit. These are things that truly matter. Nowadays, we can often make an imaging decision based on the indication – not the amount of radiation.

Dr Antero Salo
Qmedical
Helsinki, Finland



“The positioning of the patient can be performed from the user interface, where I can see the patient's face and also adjust the volume I want to acquire. So, the shot is more predictable, which is added value that other brands do not have. The image quality is also spectacular – there's detail in the detail – and the Endo mode allows us to work with a very, very small voxel size, which means that we can support clinical decisions in a better and objective way. Today, 100% of our imaging equipment is Planmeca.

Dr Marcela Oyarzún
Clínica Alemana
Santiago, Chile



“I have been using Planmeca Viso G7 for some time now, and I'm very impressed with its capabilities. The larger FOV enables me to take just one 3D image with all the diagnostic information I need. This is much more efficient than taking multiple images for each patient, especially for plastic surgeries and maxillofacial treatment planning. I have used many different imaging systems over the years, but I believe that Planmeca Viso G7 is the best on the market today.

Dr Guangyong Wan
Tai'an Central Hospital
Shandong province, China



“We are better able to explain to the patient what's the underlying cause for their discomfort, why the condition must be treated and what's the right treatment. With a 3D image, it's easy to stand by your decisions as a clinician, because there's no need for guesswork. For me, it's even better than a microscope, because you can see more in-depth.

Dr Sirpa Pöyry
Oral Qmedical Pikku Huopalahti
Helsinki, Finland



“The arrival of **Planmeca Viso® G5** has surprised us with even better image quality – with sharper images and an even more significant reduction in artifacts. Carrying out surgical and implant planning with images of this quality amazes me every day. Using Planmeca Viso images together with the Romexis software gives me the certainty of accurate diagnoses as well as delivering superior and safer work.

Dr Carlos Rene Pelegrini
Sorocaba, São Paulo, Brazil



AQUA Dent Clinics, Jeddah, Saudi Arabia

Planmeca ProMax[®] 3D family

Reliable 3D imaging for your clinical needs

Planmeca ProMax[®] 3D imaging units support three different types of 3D dental imaging, as well as panoramic, extraoral bitewing, and cephalometric imaging. Take advantage of all the benefits of high 3D image quality – always at an optimal patient dose.



Imaging options for all needs

Featuring an extended selection of imaging options and programs, Planmeca ProMax[®] 3D imaging units easily meet varying clinical needs. Choose the ones that best suit your imaging needs from a range of voxel sizes and specialist protocols.

User-friendly and comfortable

Planmeca ProMax imaging units offer a seamless imaging workflow and relaxing patient experience with open patient positioning, easy scout imaging, and a user-friendly control panel.

Fast and precise imaging technology

With its unlimited range of movement, the patented and future-proof SCARA robotic arm allows producing any movement pattern precisely and without restrictions.

3D model scans for treatment planning

All Planmeca ProMax 3D units allow scanning impressions and plaster casts in order to create a surface model without an intraoral scanner. The subsequent STL file of the surface model can be used to plan treatments precisely and effectively.



Planmeca ProMax[®]

3D units in detail

Planmeca ProMax[®] 3D imaging units are exceptional all-in-one devices, with intelligent and versatile options that deliver optimised scans and precise results for everyday clinical imaging. Acquire the image you need for the right diagnosis and detailed treatment planning.



Planmeca ProMax[®] 3D Classic

Planmeca ProMax[®] 3D Plus



Planmeca ProMax[®] 3D Mid

	3D Classic	3D Plus	3D Mid
Maximum volume with a single scan	Ø8 x 8 cm	Ø20 x 10 cm	Ø20 x 10 cm
Extended volume with a single scan	Ø11 x 8 cm		
Maximum volume with multiple horizontal scans	15 x 10 x 8 cm		
Maximum volume with multiple vertical scans			Ø20 x 17 cm
Planmeca Ultra Low Dose™ imaging	✓	✓	✓
Tube voltage option 120 kV		✓	✓
Endodontic mode	✓	✓	✓
3D dental programs	✓	✓	✓
3D ENT programs		✓	✓
3D face photo	✓	✓	✓
3D model scan	✓	✓	✓
SureSmile certification	✓	✓	✓
2D panoramic imaging	✓	✓	✓
Cephalometric imaging, scanning	✓	✓	✓
Cephalometric imaging, one-shot	✓	✓	✓

Professionals proudly present Planmeca ProMax®



“When it comes to imaging, Planmeca is by far the best. Planmeca ProMax 3D is an indispensable tool for me, and its simplicity is just extraordinary.

Dr Ashvin Toofanny
Mauritius



“Many children come to our radiology centre, as orthodontists often refer them to us. Taking images with the **Planmeca Ultra Low Dose™** protocol is fast, the quality is good, and the dose is low. This is something not all imaging units can offer. We use Planmeca Ultra Low Dose a lot, and it is an important tool for us. Parents ask about it, so it is good to always have it available. They can trust that we take good quality images of their children at low doses.

Dr Arturo Besa
3M Imagen
Santiago, Chile



“I use my Planmeca ProMax 3D unit every day and spend several hours every week working with the **Romexis®** software. I wanted to purchase a high-quality CBCT unit, I ended up choosing Planmeca and have not regretted my choice since.

Dr Samuel Dumortier
Caen, Normandy, France



“**Planmeca ProMax® 3D Classic** has completely transformed how we do our cases. It has made a huge difference to clinical work. The precision of treatment planning has improved. We can see the positions of the nerves and the structure of the sinuses. This helps us create a very precise plan, there is no guesswork.

Dr Indika Weerapperuma
Kinross Dental Care
Colombo, Sri Lanka



“CBCT imaging allows visualisation of the bone detail as well as seeing the roots of the teeth and where the mandibular nerve is running. Compared to other imaging modalities, it also offers lower patient doses. Now, with the Planmeca Ultra Low Dose imaging protocol of our Planmeca unit, we are able to keep our patient doses really low whilst maintaining the high image quality.

Martha Henderson
Mercy Ships
West Africa



“Some dentists choose our services for more complicated cases, even if they possess the necessary imaging devices, but cannot capture the images with the required details themselves. The **Planmeca CALM®** algorithm, which we use in every location, helps our staff to make the images clear and remove any artefacts caused by patient movements.

Marcin Szydłowski
XRAY imaging centres
Poland



“I chose Planmeca ProMax 3D Classic based on the fact that it offers Planmeca's proprietary Planmeca Ultra Low Dose imaging protocol. This facilitates 3D imaging at an even lower patient radiation dose than standard panoramic imaging, which is an important factor in the treatment of patients at my practice. Planmeca ProMax 3D Classic produces good quality diagnostic images even with a low radiation dose, and I also like **Planmeca Romexis®**, the open source software platform of this CBCT machine. I am now very pleased to be using the latest techniques and technology to deliver safe, prosthetically-driven dental treatment.

Dr Chris Navarro
Beeston Dental
Nottingham, UK



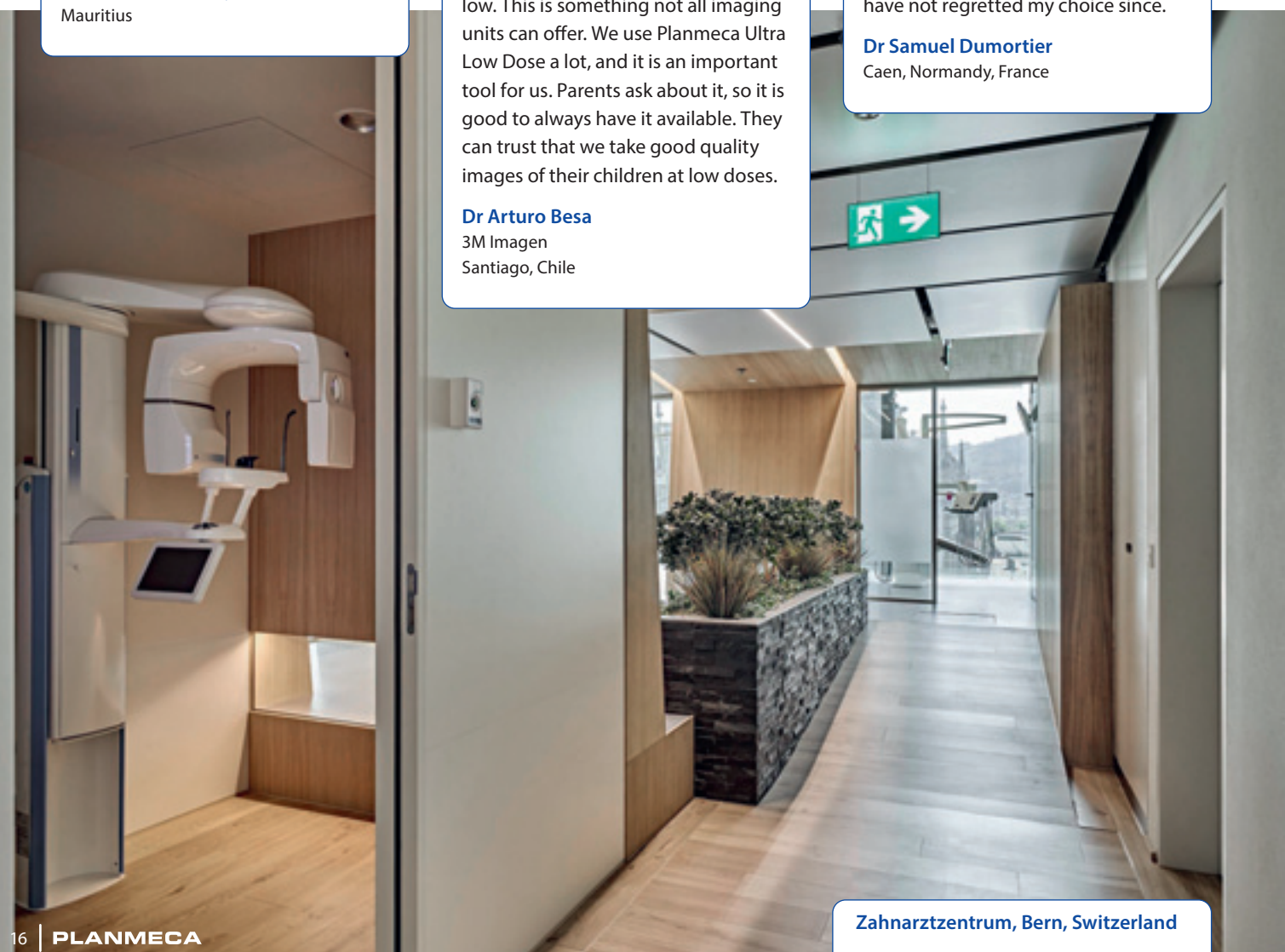
“As our old X-ray machine was coming to the end of its life cycle, I started browsing for CBCT unit options. I talked to my colleagues and got the chance to compare the images taken with different 3D devices. I was most impressed with the incredible image quality of Planmeca ProMax 3D units, the Planmeca Ultra Low Dose feature also appealed to me, and the Planmeca Romexis software simply blew me away.

Dr Thomas Rosner
Graubünden, Switzerland



“I am most proud of the fact that we can take such high-quality scans with a low radiation dose. Making the decision to invest in a CBCT is made all the easier with the assurance that you can see all the relevant anatomical structures at a fraction of the radiation dose of a traditional CT. For my work with dental implants and oral surgery, this has been invaluable.

Dr Ceri Owen-Roberts
Elgin Park Dental Practice
Bristol, UK



Zahnarztzentrum, Bern, Switzerland

3D imaging – high image quality at an optimal patient dose

When you need detailed information, CBCT imaging is the best way to see it all, giving a complete view of the pathology of interest. Discover our innovative range of 3D imaging units and enjoy the benefits of optimised workflows combined with high image quality – always at an optimal patient dose.



Ease of operation

Our intuitive patient positioning and imaging protocols ensure smooth and fast imaging workflows.

Improved patient comfort

The open-face architecture of our imaging units offers both effortless positioning and an unrestricted view of the patient. At the same time, it allows the patient to feel comfortable without feeling closed-in while also accommodating wheelchair access through side entry.



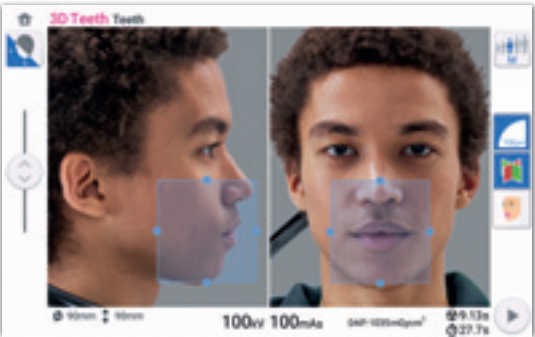
Intuitive use

The clear and straightforward graphical user interface guides you through the imaging process, while the ready-made imaging protocols save more time for your patients. For an even faster workflow, the control panel can also be operated remotely from the imaging workstation.



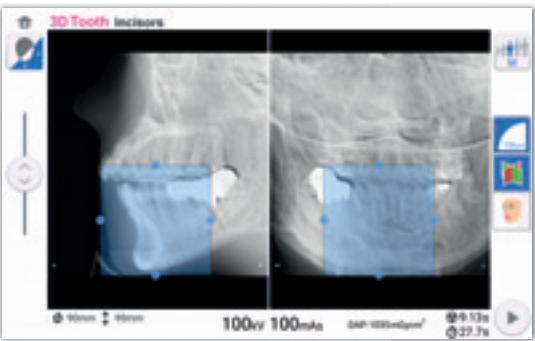
Free 3D volume positioning

The 3D volume can be positioned freely and accurately for maximum flexibility.



Successful imaging every time

All our imaging units support taking scout images for perfect positioning to ensure successful imaging every time.



2D and 3D imaging with one sensor

There is no need to change sensors when alternating between CBCT and panoramic imaging. Our advanced SmartPan™ imaging system uses the same 3D sensor to acquire 2D images. Together with our intelligent pre-processing algorithms, they make the ideal solution for daily panoramic imaging.



Intelligent solutions for the best image quality

Our intelligent high-tech solutions and algorithms guarantee an ideal imaging geometry, perfect usability, and crystal-clear images free from noise and artefacts.

Flexible volume positioning

Our future-proof imaging platform is designed so that it can freely produce any movement pattern needed for optimal imaging results. This enables accurate and reliable volume positioning as well as volume diameter adjustment, reducing patient exposure to radiation.

Ready-made imaging protocols

For your convenience, our imaging units offer ready-made imaging protocols for different diagnostic tasks. When necessary, you can easily adjust any parameter to your imaging needs.

Optimised contrast for all patient images

The 120 kV tube voltage enables optimised image quality for even the most challenging areas of interest – reducing artefacts and ensuring better contrast images.

Detailed endodontic imaging

All our CBCT imaging units support examining the finest anatomical details. The endodontic imaging mode allows capturing images with an extremely high resolution, with the 75 µm voxel size being perfect for visualising small details.

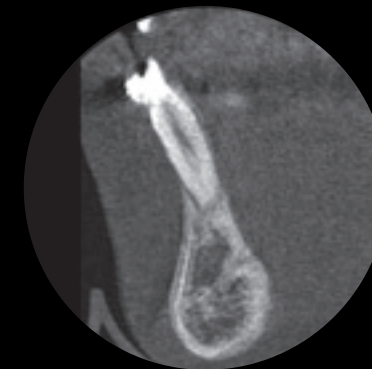


Never miss a shot with Planmeca CBCT units

Movement, metal artefacts, and small voxel sizes are generally recognised as challenges to CBCT image quality. The advanced image enhancement options of Planmeca CBCT units enable you to rise above these concerns and succeed every time. These options can be either selected preventively before imaging or utilised afterwards for reliable results. The choice is yours!

Patient movement correction with Planmeca CALM®

- Iterative movement correction algorithm
- Eliminates the need for retakes
- Cancels the effects of patient movement
- Excellent when imaging livelier patients



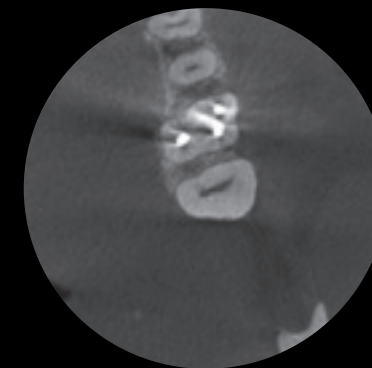
Without movement artefact correction



With the Planmeca CALM® movement removal algorithm

Adjustable artefact reduction with Planmeca ARA™

- Reliable algorithm for artefact removal
- Removes shadows and streaks caused by metal restorations and root fillings
- Easy to adjust before or after imaging
- Low-medium-high setting enables tailoring to each individual patient case
- Tried and tested – result of extensive scientific research



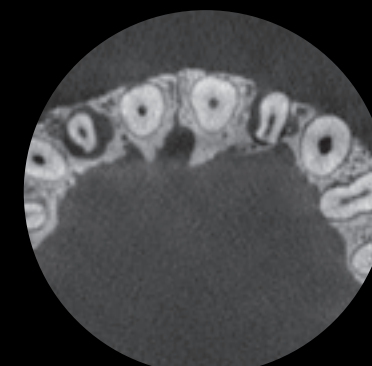
Without artefact removal



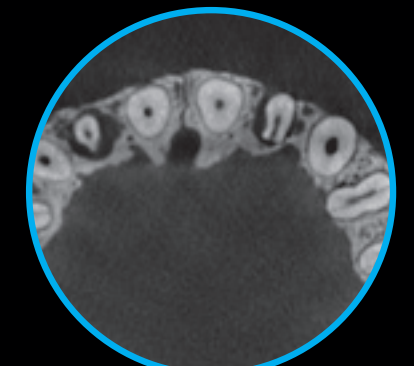
With the Planmeca ARA™ artefact removal algorithm

Noise removal with Planmeca AINO™

- Reduces noise in images while preserving important details
- Allows lower exposure values by reducing noise
- Improves image quality when using small voxel sizes (e.g. in the endodontic imaging mode)
- Enabled by default when using the Planmeca Ultra Low Dose™ imaging protocol



Without noise removal



With the Planmeca AINO™ noise filter

Proven low dose imaging

Our 3D X-ray units offer a unique **Planmeca Ultra Low Dose™** imaging protocol that enables CBCT imaging with an even lower patient radiation dose than standard 2D panoramic imaging.



Remarkably lower patient doses

The **Planmeca Ultra Low Dose™** (ULD) protocol decreases the exposure values and thus the patient dose at the same time as Planmeca's other intelligent 3D imaging algorithms maintain the image quality at a diagnostically acceptable level – all to achieve the optimal balance between image quality and patient dose.

Our ULD protocol allows achieving up to six times lower effective doses compared to standard protocols.*

*Charuakkra, A., Mahasantiya, P., Lehtinen, A., Koivisto, J., Järnstedt, J. (2022). Comparison of subjective image analysis and effective dose between low-dose cone-beam computed tomography machines. Dentomaxillofacial Radiology. <https://doi.org/10.1259/dmfr.20220176>

Scientifically proven

Planmeca ULD helps clinicians adhere to the ALADA (As Low As Diagnostically Acceptable) principle in their practice and is ideal for a wide range of clinical cases, from implant planning to orthodontics. But don't just take our word for it – the use of Planmeca ULD and its benefits have been studied and scientifically proven in a number of scientific studies.

planmeca.com/ULD-studies



The Planmeca Ultra Low Dose™ protocol has changed 3D imaging completely

We at MESANTIS® 3D DENTAL-RADIOLOGICUM produce about 7,500 CBCT images per year at eight locations in Germany.

Our main concern in X-ray imaging is how to reduce the radiation dose as much as is reasonably achievable (ALARA principle). Traditional digital 2D X-rays at an orthodontist's clinic usually have an effective dose ranging between 26–35 µSv (ICRP 2007). Conventional CBCT images of the head with modern CBCT equipment have an effective dose ranging between 49–90 µSv.

One imaging protocol with a specific associated algorithm is called the **Planmeca Ultra Low Dose™** protocol. In medical terms, it allows radiologists to adjust imaging parameters individually according to the clinical needs of each case. The mA-values, in particular, can be individually adjusted and

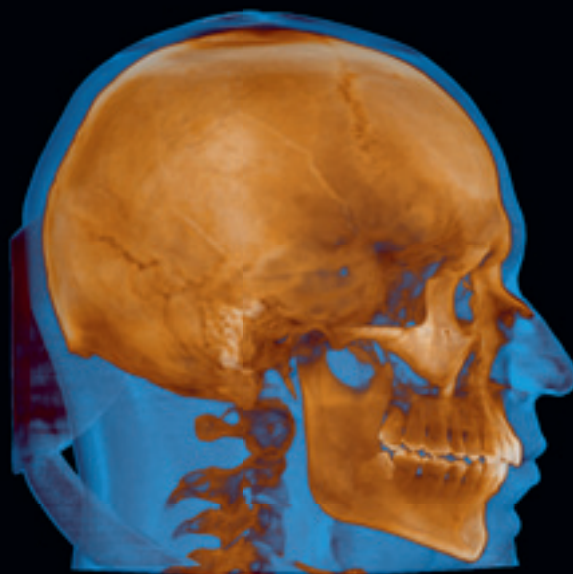
reduced for each patient, as required by all international scientific guidelines. Therefore, it is possible to significantly reduce the effective dose even further with the Planmeca Ultra Low Dose protocol. Depending on the field of view, nowadays CBCT equipment with the Planmeca Ultra Low Dose algorithm has an effective dose between 4–22 or 10–36 µSv.

Our patients and referring colleagues are always happy to hear that the effective dose for certain indications is now even lower than in traditional 2D X-ray imaging. We have been able to replace the common CBCT protocols with the Planmeca Ultra Low Dose protocol.

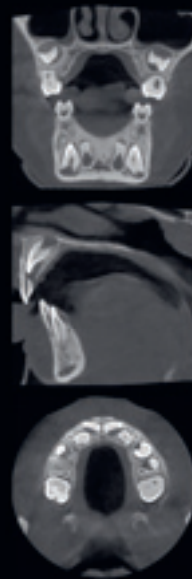
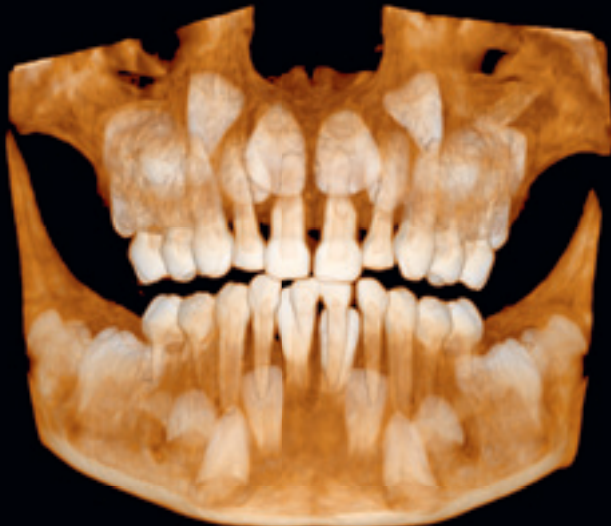
Prof. Dr. Axel Bumann

Prof. Dr. Bumann declares that he has not received any financial reward or other benefit for this interview.

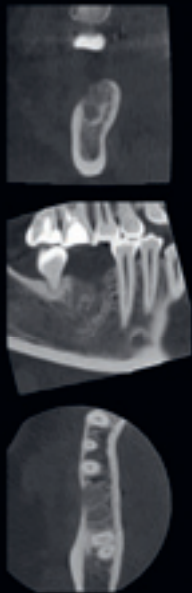
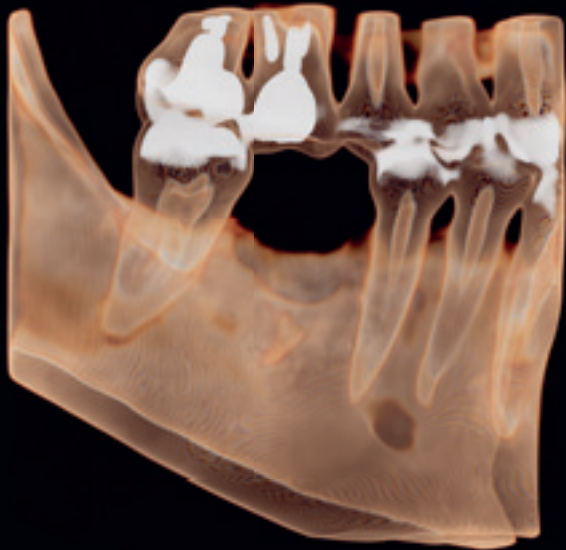
Prof. Dr. Axel Bumann
DDS, PhD, Orthodontist,
Oral Surgeon, Oral and
Maxillofacial Radiology



FOV Ø26 x 30 cm
Voxel size 300 µm
Effective patient dose 82 µSv



FOV Ø8 x 7 cm
Voxel size 150 µm
Effective patient dose 40 µSv



FOV Ø5 x 5 cm
Voxel size 300 µm
Effective patient dose 15 µSv

Optimised equipment usage with Planmeca Insights™

Take clinic efficiency to the next level with actionable data and intelligence from your fleet of Planmeca equipment. From single devices to multi-site group practices, **Planmeca Insights™** offers real-time information about device states, usage, and maintenance needs.

Better planning, training, and decision-making

Extensive device data can be used to confirm that your valuable equipment is maintained correctly and in line with agreed practice. Additionally, detailed usage information offers insight into how and when devices are being used for more informed decision-making. Device-specific cleaning protocols can be monitored through the platform. Data can also be compared across multiple locations for improved clinic management and optimised workflows.

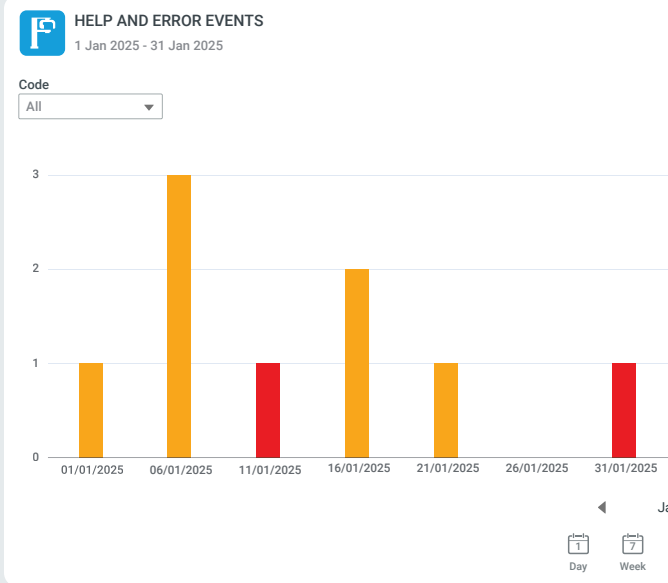
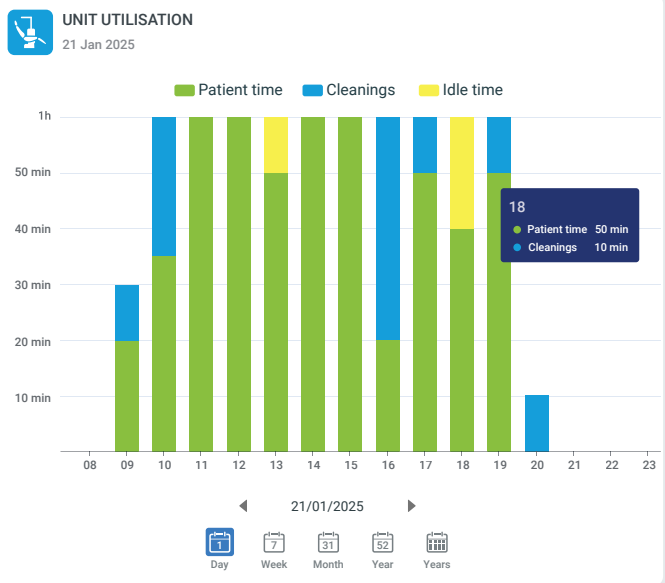
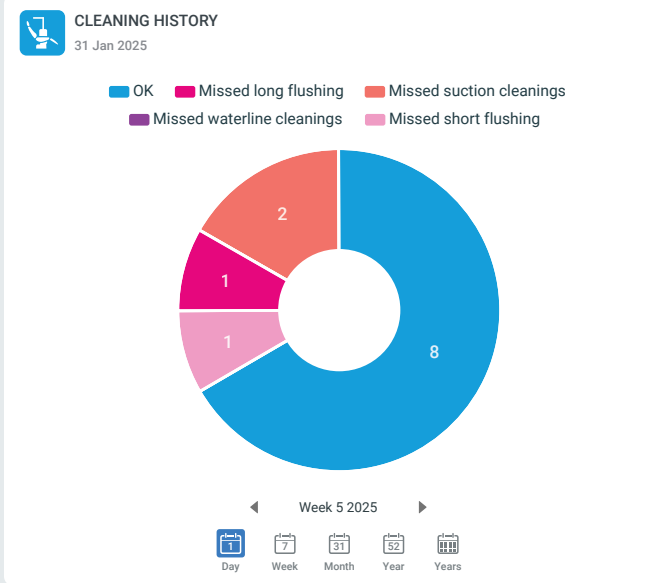
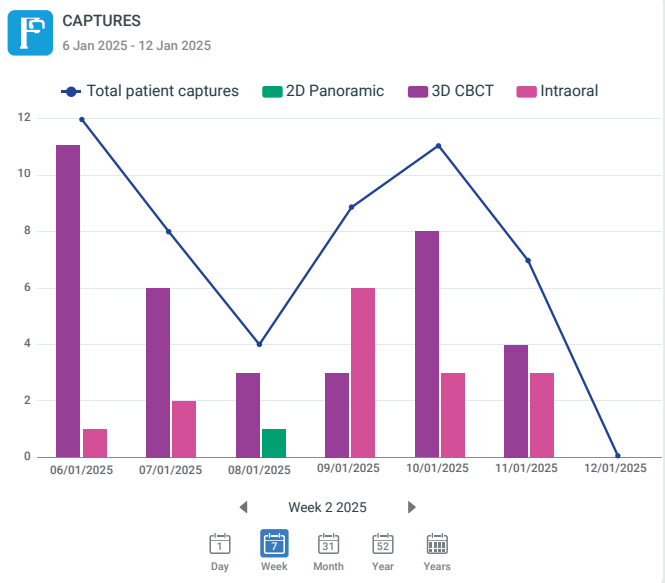


Minimise device downtime

Automated messages on device states or issues encountered can be programmed to notify the right people, such as maintenance personnel. Individual device data can be used to optimise maintenance times and address problems – even before they happen. When necessary, device logs can be used for more detailed analysis of device operation.

Planmeca Insights™ supports Planmeca devices comprehensively, including all **Planmeca Viso®** and **Planmeca ProMax®** imaging units. Use Planmeca Insights to e.g.:

- See current device states and activity
- Access summaries and drill down on help and error messages
- Examine imaging workflows or view usage summaries from specific time periods
- Download log files for individual devices
- Examine imaging parameters and dosage information for specific imaging sessions



Planmeca Romexis® – one software for all your needs



We offer a revolutionary all-in-one software solution for clinics of all sizes. Our unique **Planmeca Romexis®** software supports all types of dental imaging – from 2D and 3D to CAD/CAM – and offers an extensive range of tools for all specialities and specialists. All patient images are available in one easy-to-use user interface and stored in one database. By seamlessly integrating artificial intelligence, Romexis optimises daily tasks and boosts patient communication.

- | | | | | |
|---|--|---|--|--|
| 
2D imaging | 
2D cephalometry | 
3D imaging | 
3D cephalometry | 
3D implantology |
| 
AI | 
CAD/CAM | 
Ortho simulation | 
CMF surgery | 
Smile design |

Mac* and Windows compatible

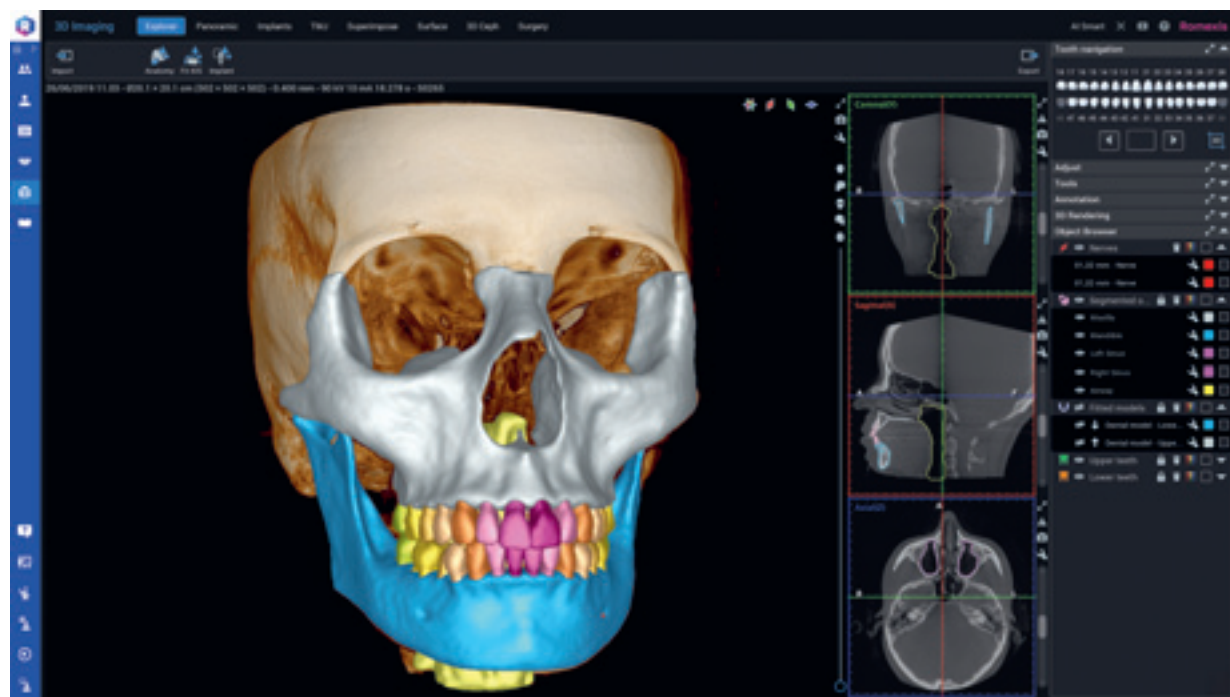
AI always included



*Some features only supported in Windows operating systems.

The advanced 3D software

Our pioneering **Planmeca Romexis®** software offers specially designed tools for implantologists, endodontists, periodontists, prosthodontists, orthodontists, maxillofacial surgeons, and radiologists. Romexis comes with several AI-powered features that make viewing and processing CBCT images easy and efficient with minimal clicks.



Excellent tools for quality images

With a complete set of tools for image viewing, enhancement, measurement, and annotations, **Planmeca Romexis®** improves the diagnostic value of radiographs. Versatile printing and image import and export functionalities are also included.

Convenient 3D diagnosis

The versatile 3D rendering views of Romexis provide an immediate overview of the patient anatomy. The images can be instantly viewed from different projections or converted into 2D images, cross-sectional slices and TMJ views. Measuring and annotation tools – such as nerve canal tracing – assist in safe and accurate treatment planning.

AI-powered workflows

Romexis includes several built-in AI-powered features that optimise daily workflows by automating time-consuming tasks and eliminating manual work. The software automatically identifies and segments key anatomies, locates the mandibular nerve, and combines CBCT data with intraoral scans – just to name a few examples.

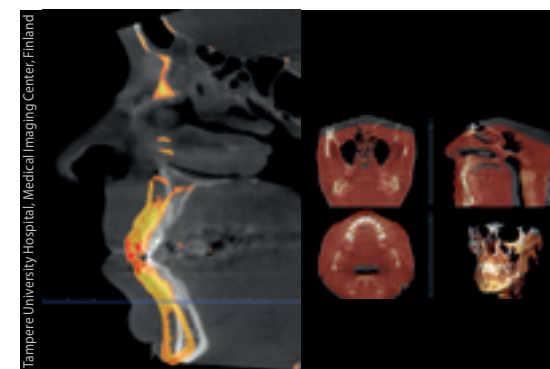
Best compatibility with other systems

Romexis supports TWAIN and complies with the DICOM standard, enabling seamless integration with third-party imaging solutions.



Automatic segmentations

Romexis automatically segments airways, jaws, teeth, sinuses and nerves. The segmented anatomies are ideal for patient education and can also be exported as STL for 3D printing, for example.



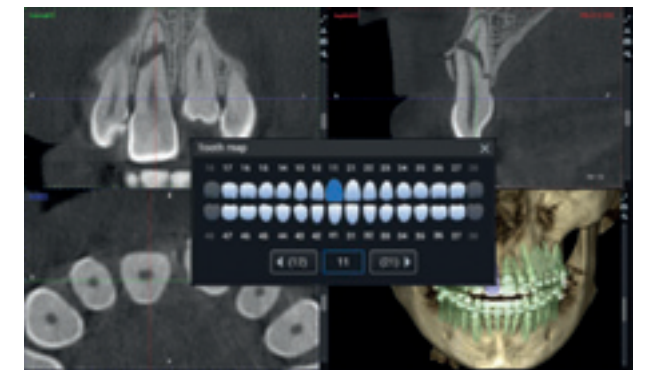
Superimpose CBCT

Romexis allows the superimposition of two CBCT images. It is a valuable tool for before-and-after comparisons and can be used for orthognathic surgery follow-ups, as well as orthodontic treatments, for example.



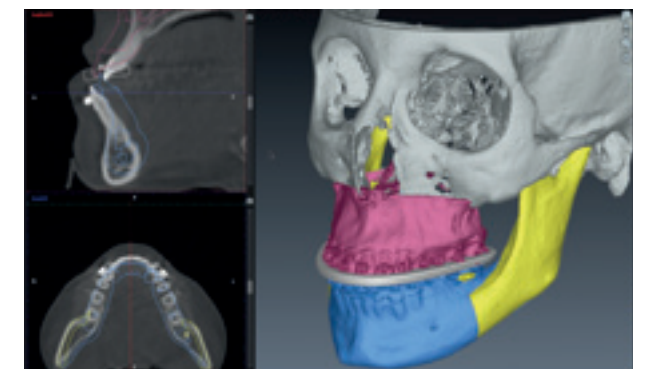
View CBCT images in virtual reality

Planmeca Romexis® VR solution allows viewing patient data in true three dimensions, providing a deeper understanding of morphological and anatomical relationships for various indications. It also enables visualising implant planning in virtual reality with realistic implant models.



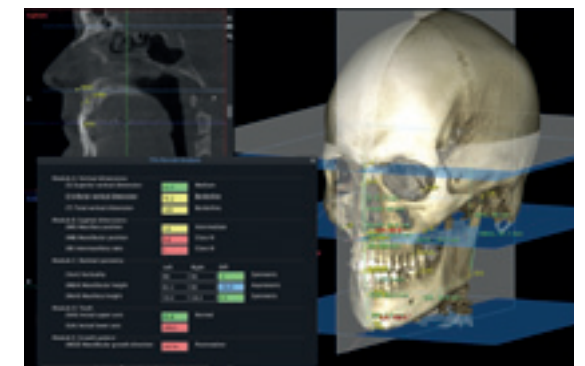
Intelligent navigation

Thanks to the automatic AI-powered tooth number recognition by Romexis, a CBCT volume can be easily navigated by just clicking on tooth numbers. Romexis automatically centres all views on the tooth of interest.



Orthognathic surgery

With the **Romexis® CMF Surgery** module, surgeons can virtually plan the orthognathic surgery and design final and intermediate splints. The software includes ready-made virtual cutting templates for one-piece Le Fort I, two-piece Le Fort I and three-piece Le Fort I for the maxilla and BSSO Hunsuck, BSSO Obwegeser, Inverted L, vertical ramus and Genioplasty for the mandible.

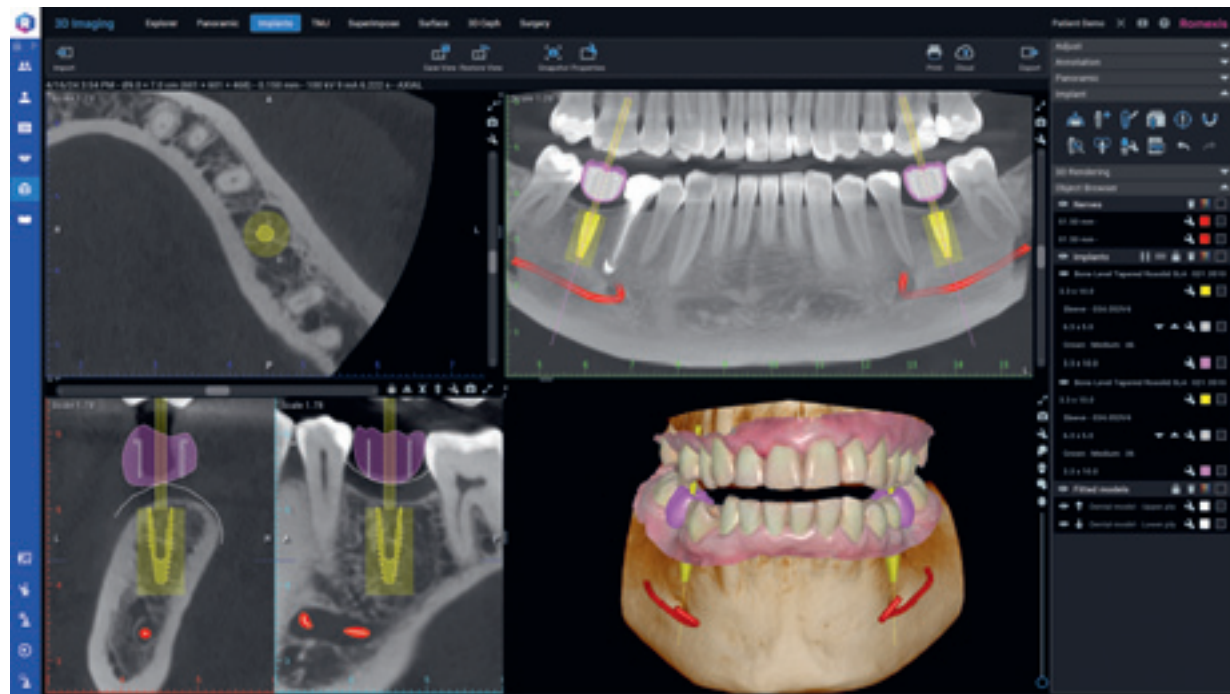


3D cephalometry

The **Romexis® 3D Cephalometry** module allows performing cephalometric tracing and analysis in 3D. Powered by AI, Romexis automatically detects and marks anatomical landmarks to enable straightforward workflows. The module includes several analysis types, such as TFA Perrotti Analysis, Transversal Analysis and Orthognathic Surgery Analysis.

The complete implant workflow

The **Planmeca Romexis®** software offers all the necessary tools for fully digital implantology – from planning to guided surgery. Powered by AI, just a couple of clicks are needed to create a virtual treatment plan proposal and to generate a suitable surgical guide. The software's implant library includes realistic implant models as well as collections of sleeves for guided surgery.



Automatic implant plan proposals

Planmeca Romexis® software includes an implant library with realistic implant models from over 130 manufacturers. To create an implant plan, you only need to select your preferred product line, and Romexis takes care of the rest. Powered by AI, the software automatically generates a virtual crown, selects the best-fitting implant from the chosen product line, and positions it – taking the mandibular nerve, adjacent teeth, bone and virtual crown into account. You only need to make final adjustments in the software's implant-centric view.

Simple implant guide design

With Romexis, you can create surgical guides in just a few simple steps. Romexis includes a library of over 50 guided surgery kits from different manufactures, which makes implant guide design extremely easy. The software automatically superimposes intraoral scans and virtual crowns onto CBCT data, and identifies the optimal area for the guide. You can flexibly adjust the guide design, as needed.

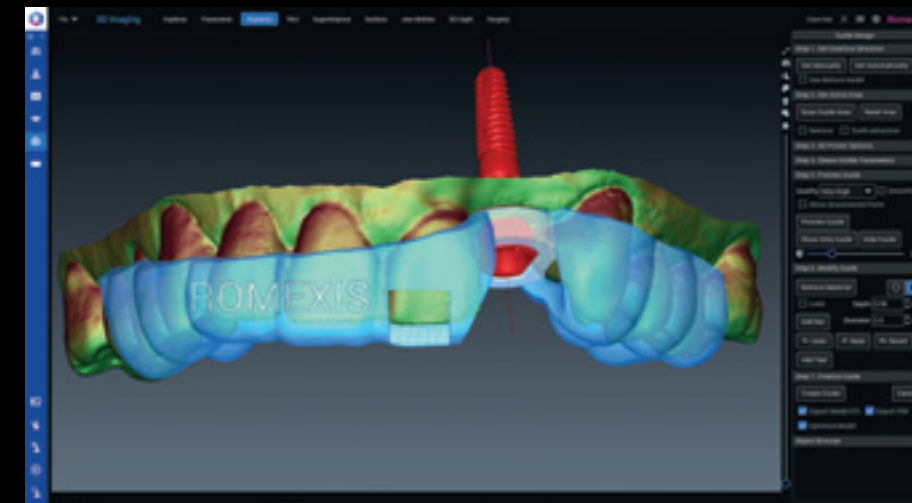
Realistic
implant models
from over 130
manufacturers

See a constantly growing list of all the implants included in the Romexis implant library at planmeca.com/Romexisimplantlibrary

Design surgical guides in a few minutes

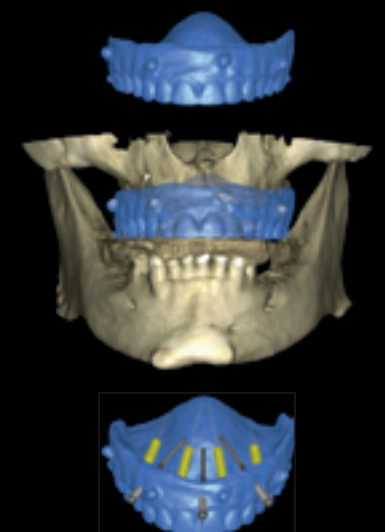
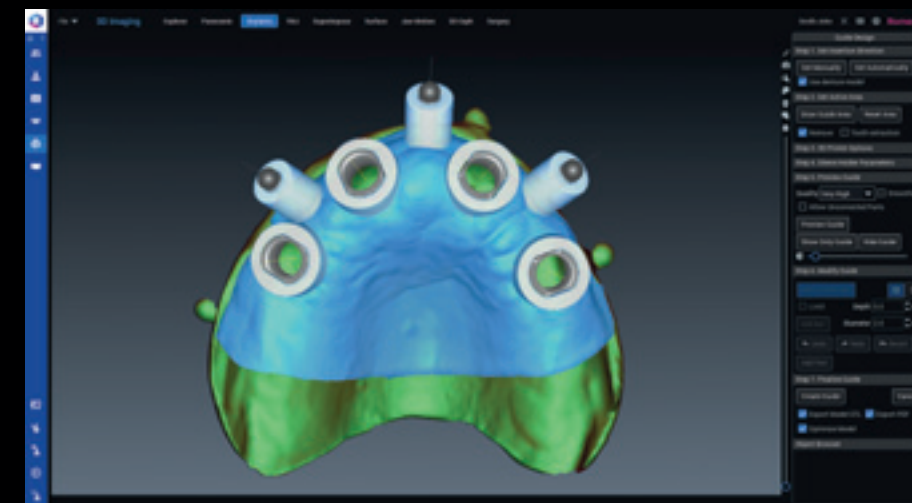
Tooth-supported guide design

- Use *Smart Implant* tool to create an automatic implant plan and virtual wax-up.
- Superimpose a digital scan automatically onto a CBCT image with *Smart Fit* tool.
- Design a surgical guide with a few clicks.
- Verify the plan and export the guide design in STL format for 3D printing.



Mucosa-supported guide design

- Superimpose dentures with radiographic markers onto a CBCT image.
- Plan the implants and position fixation pins.
- Design a mucosa-supported guide with a few clicks.
- Export the guide design in STL format for 3D printing.



Share images and expertise online

Planmeca Romexis® Cloud is a secure image transfer service for Planmeca Romexis® users and their partners for sending image and patient data to any specialist, dental lab or patient. You can share images and expertise securely with all partners who use Planmeca Romexis, the free Planmeca Romexis® Viewer, the free Planmeca Romexis® LabApp or the Planmeca mRomexis™ mobile tablet application.

Romexis® Cloud – versatile possibilities for communication

- External applications, DVDs and insecure file transfers are history – images can be sent directly from Planmeca Romexis®
- Share images and data with your dental partners and patients
- The Romexis software and Planmeca Romexis® Cloud subscriptions are required to send new cases – recipients only need an e-mail account at minimum

Key features

Transfer any type of information

- Images: 2D, 3D, STL
- Referrals and interpretations
- Treatment plans

Flexible sending options enable easy communication with all parties

- From Romexis to Romexis
- From Romexis to Romexis LabApp
- From Romexis to email
 - Optionally include the free Romexis Viewer for the easy viewing of images by anyone
- From Romexis to Planmeca mRomexis

Visit online.planmeca.com to subscribe and start sending images now.

IMAGING WORKFLOW



Planmeca equipment owner

- Romexis software
- Romexis Cloud subscription

General practice, specialist, radiologist

- Free Romexis Viewer application or Romexis

CAD/CAM WORKFLOW



General practice

- Romexis software
- Romexis Cloud subscription

Dental lab

- Free Romexis LabApp application

Increased flexibility with Planmeca mRomexis™ tablet application

Use our fast, easy, and light Planmeca mRomexis™ mobile imaging application to view all your images in the Planmeca Romexis database on a local network, or to carry images with you on your tablet device. You can also use the application to take photos with the tablet camera.

Download the Planmeca mRomexis application for iOS and Android from the [App Store](https://apps.apple.com) or [Google Play](https://play.google.com).



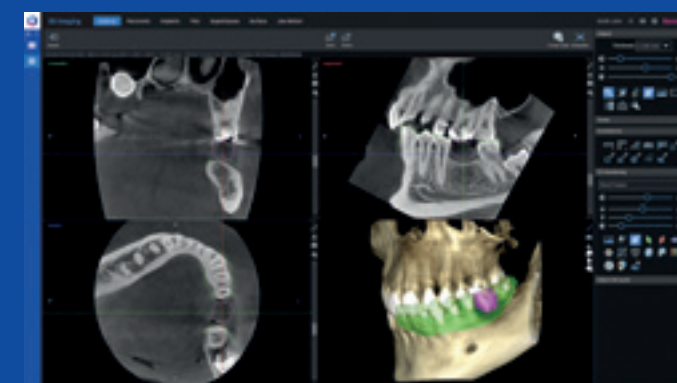
Planmeca mRomexis™

View images with free Romexis® Viewer application

Planmeca Romexis® Viewer is a free application that can be exported and sent together with images from Romexis.

- Full-featured viewer application for 2D and 3D images
- No installation required
- Mac and Windows support
- Distribute to specialists or patients

Visit planmeca.com/Viewer for downloading Planmeca Romexis Viewer application.



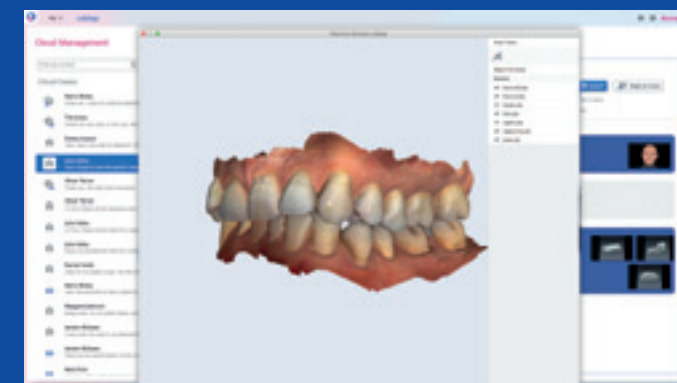
Planmeca Romexis® Viewer

Dental lab communication with free Romexis® LabApp application

Planmeca Romexis® LabApp is a free application designed for dental laboratories to allow easy communication with dental clinics. It is designed especially for receiving intraoral scans but can be used for all types of image data. It uses Romexis Cloud as transfer service providing secure transfer of patient data.

- Receiving STL files, PLY scans, DICOM images, photos and PDF files from Planmeca Romexis users
- Instant viewing of STL and PLY files for checking
- Exporting all case data to a 3rd party dental CAD/CAM system
- Messaging between the lab and the clinic using the built-in case messaging

Visit online.planmeca.com for downloading the Planmeca Romexis LabApp application.



Planmeca Romexis® LabApp

Technical specifications

Technical data

	Viso G1	Viso G3	Viso G5	Viso G7	ProMax 3D Classic	ProMax 3D Plus	ProMax 3D Mid
Anode voltage	60–90 kV	60–120 kV	60–120 kV	60–120 kV	60–90 kV	60–90 kV 60–120 kV	60–90 kV 60–120 kV
Anode current	1–14 mA	1–16 mA	1–16 mA	1–16 mA	1–14 mA	1–14 mA	1–14 mA
Focal spot	0.5 mm, fixed anode	0.5 mm, fixed anode	0.5 mm, fixed anode	0.5 mm, fixed anode	0.5 mm, fixed anode	0.5 mm, fixed anode	0.5 mm, fixed anode
Image detector	Flat panel	Flat panel	Flat panel	Flat panel	Flat panel	Flat panel	Flat panel
Image acquisition	Single 200 degree rotation	200 / 360 degree rotation	200 / 360 degree rotation	200 / 360 degree rotation	Single 200 degree rotation	200 / 360 degree rotation	200 / 360 degree rotation
Scan time*	10–35 s	8–33 s	8–53 s	8–57 s	12–33 s	12–33 s	12–84 s

*Values represent average minimum and maximum scan times. The actual scan time depends on the imaging parameters and features selected and may differ from the average scan times presented.



€ 0598 Planmeca Viso G1

€ 0598 Planmeca Viso G5

€ 0598 Planmeca Viso G7

Planmeca Viso G3 is a configuration of Planmeca Viso G5



€ 0598 Planmeca ProMax 3D

€ 0598 Planmeca ProMax 3D Plus

€ 0598 Planmeca ProMax 3D Mid

Comparison

Includes optional features

	Viso G1	Viso G3	Viso G5	Viso G7	ProMax 3D Classic	ProMax 3D Plus	ProMax 3D Mid
3D dental programs	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3D ENT programs	-	Yes	Yes	Yes	-	Yes	Yes
3D face photo	-	Yes	Yes	Yes	Yes	Yes	Yes
Endodontic mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2D panoramic imaging	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cephalometric imaging	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Live video positioning	-	Yes	Yes	Yes	-	-	-
Virtual laser positioning	Yes	-	-	-	-	-	-
Rear head support	-	Yes	Yes	Yes	-	-	-
Top head support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tube voltage 120 kV	-	Yes	Yes	Yes	-	Yes	Yes
Planmeca CALM® movement artefact correction	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Planmeca Ultra Low Dose™ imaging	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Planmeca NOA™ imaging	Yes	Yes	Yes	Yes	-	-	-

Volume sizes

Volume size [cm]

	Viso G1	Viso G3	Viso G5	Viso G7	ProMax 3D Classic	ProMax 3D Plus	ProMax 3D Mid
Maximum volume sizes							
Maximum volume with a single scan	Ø11 x 11	Ø20 x 10	Ø20 x 10	Ø30 x 20	Ø8 x 8	Ø20 x 10	Ø20 x 10
Extended volume with a single scan					Ø11 x 8		
Maximum volume with multiple horizontal scans					15 x 10 x 8		
Maximum volume with multiple vertical scans			Ø20 x 17	Ø30 x 30			Ø20 x 17
Dental programs							
Tooth	Ø3 x 3 – Ø5 x 8	Ø3 x 3 – Ø6 x 6	Ø3 x 3 – Ø6 x 6	Ø3 x 3 – Ø6 x 6	Ø5 x 5 Ø5 x 8	Ø4 x 5 Ø4 x 8	Ø4 x 5 Ø4 x 8
Teeth	Ø7 x 3 – Ø11 x 11	Ø7 x 3 – Ø9 x 9	Ø7 x 3 – Ø9 x 9	Ø7 x 3 – Ø12 x 10	Ø8 x 5 Ø8 x 8	Ø8 x 5 Ø8 x 8 Ø10 x 6 Ø10 x 10	Ø8 x 5 Ø8 x 8 Ø10 x 6 Ø10 x 10
extended volume					Ø11 x 5 Ø11 x 8		
double scan					2x Ø8 x 8		
triple scan					3x Ø8 x 8		
TMJ	Ø3 x 3 – Ø8 x 8						
Jaw		Ø10 x 3 – Ø20 x 10	Ø10 x 3 – Ø20 x 10	Ø13 x 3 – Ø17 x 17		Ø16 x 6 Ø16 x 10 Ø20 x 6 Ø20 x 10	Ø16 x 6 Ø16 x 10 Ø20 x 6 Ø20 x 10
Face			Ø14 x 13 – Ø20 x 17	Ø14 x 12 – Ø30 x 20			Ø16 x 9 Ø16 x 16 Ø20 x 10 Ø20 x 17
Skull				Ø26 x 30 – Ø30 x 30			
ENT (Ear, Nose, Throat) programs							
Nose		Ø7 x 5 – Ø9 x 9	Ø7 x 5 – Ø9 x 9	Ø7 x 5 – Ø12 x 10		Ø8 x 8	Ø8 x 8
Sinus		Ø10 x 10 – Ø20 x 10	Ø10 x 11 – Ø20 x 15	Ø10 x 10 – Ø17 x 20		Ø10 x 10 Ø16 x 10 Ø20 x 10	Ø10 x 8 Ø10 x 10 Ø10 x 14 Ø16 x 8 Ø16 x 10 Ø16 x 14 Ø20 x 8 Ø20 x 10 Ø20 x 14
Middle ear		Ø3 x 3 – Ø6 x 6	Ø3 x 3 – Ø6 x 6	Ø3 x 3 – Ø6 x 6		Ø4 x 5 Ø8 x 8	Ø4 x 5 Ø8 x 8
Temporal bone		Ø7 x 5 – Ø9 x 9	Ø7 x 5 – Ø9 x 9	Ø7 x 5 – Ø12 x 10		Ø8 x 8	Ø8 x 8
Vertebrae		Ø9 x 8 – Ø11 x 10	Ø9 x 8 – Ø11 x 10	Ø8 x 8 – Ø10 x 14		Ø8 x 8	Ø8 x 8
Airways		Ø9 x 8 – Ø11 x 10	Ø9 x 8 – Ø11 x 10	Ø8 x 8 – Ø10 x 14		Ø8 x 8	Ø8 x 8

Voxel sizes

Viso G1: 75 µm*, 150 µm, 225 µm, 300 µm, 450 µm

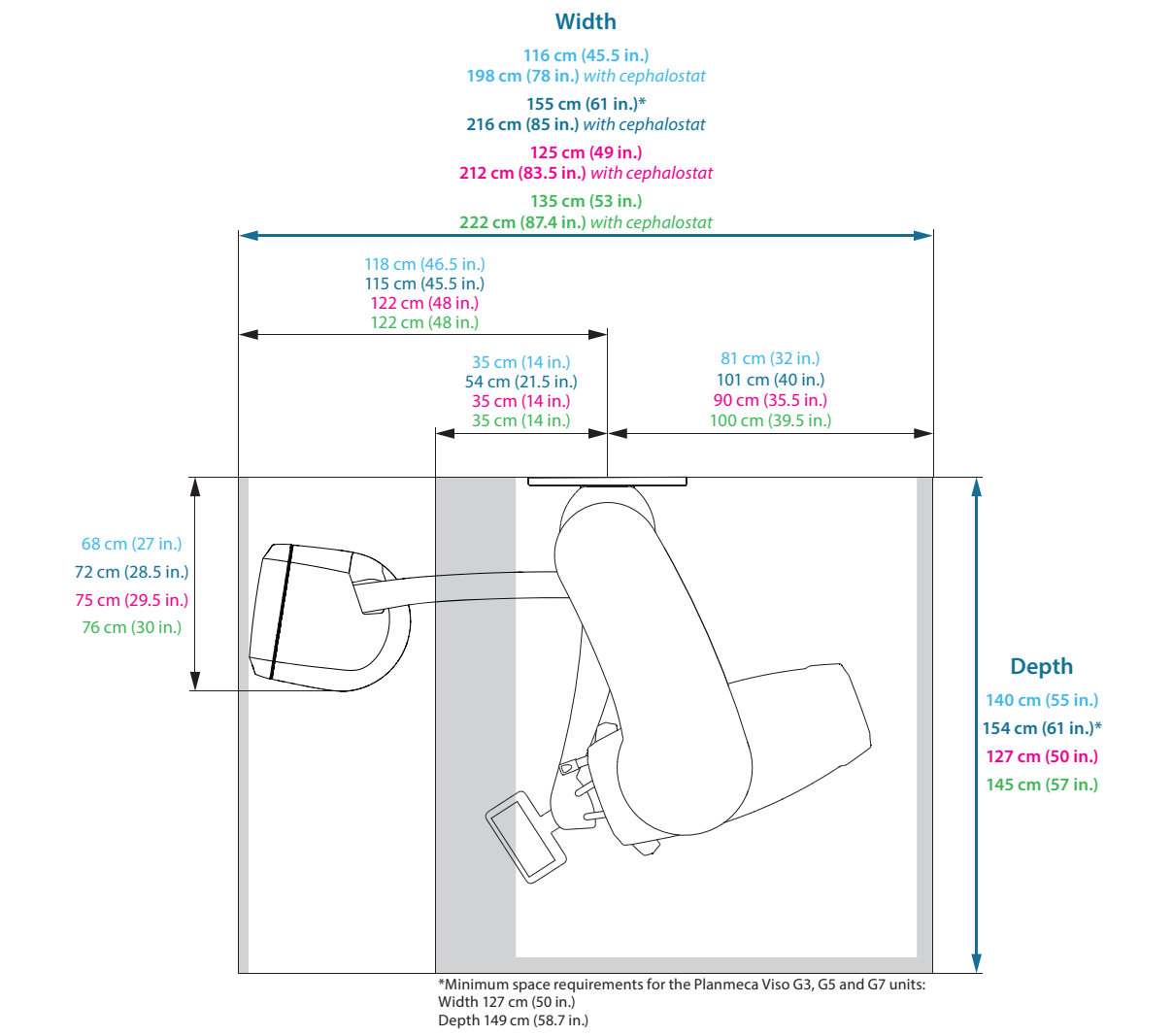
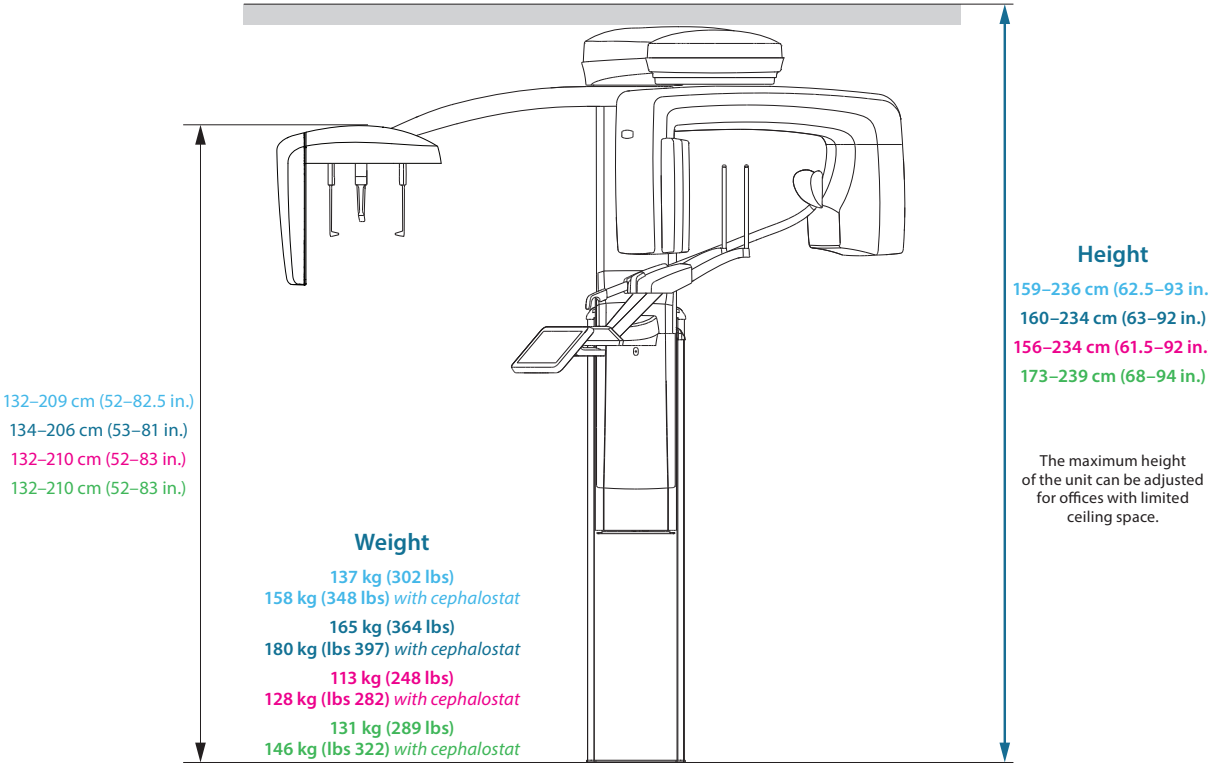
Viso G3, Viso G5, Viso G7: 75 µm*, 150 µm, 200 µm, 300 µm, 450 µm, 600 µm

ProMax 3D Classic, 3D Plus, 3D Mid: 75 µm*, 100 µm, 150 µm, 200 µm, 400 µm, 600 µm

*Requires Endodontic imaging licence.

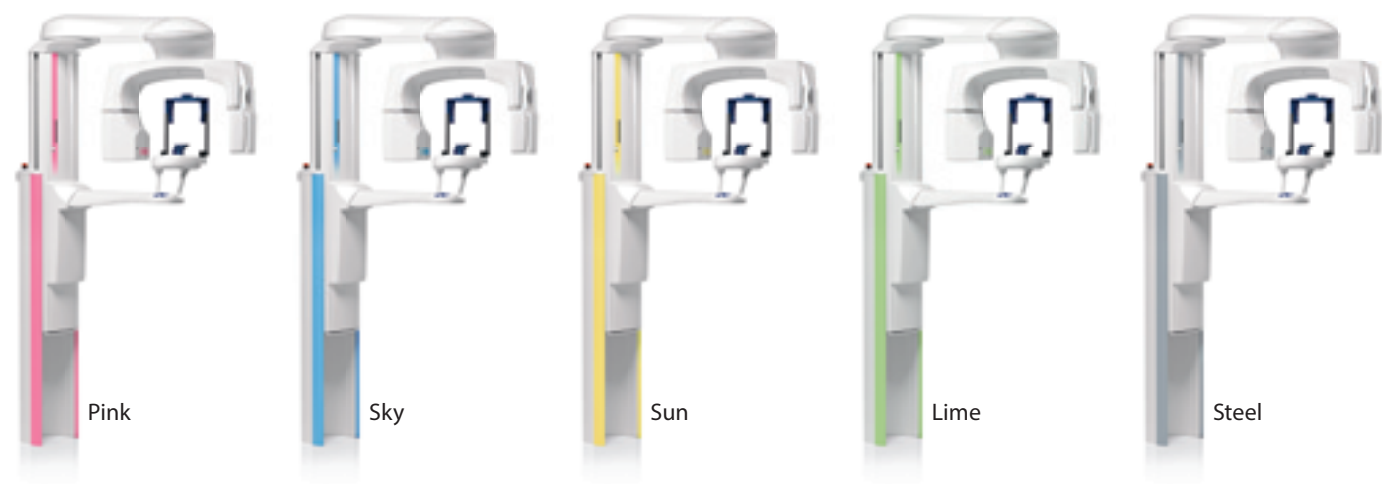
Recommended space requirements

- Viso G1
- Viso G3, Viso G5 or Viso G7
- ProMax 3D Classic
- ProMax 3D Plus or 3D Mid



Stand out with colour

Complement the design of your Planmeca ProMax® X-ray unit by giving it a personal touch with your favourite colour.



Planmeca Romexis® imaging software

See Romexis specifications and compatibility:
planmeca.com/software/specifications



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Planmeca Oy designs and manufactures a full line of industry-leading dental equipment, including 3D and 2D imaging devices, CAD/CAM solutions, dental care units and software. Planmeca Oy, the parent company of the Finnish Planmeca Group, is strongly committed to better care through innovation, and it is the largest privately held company in the field.

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All in one, Anatomic Plus, Cobra, Comfy, DentoVac, Digital perfection, Economat Plus, Elegant, Flexy, Mini-dent, Perio Fresh, PlanEasyMill, Planmeca 4D, Planmeca AINO, Planmeca ARA, Planmeca CAD/CAM, Planmeca CALM, Planmeca Cariosity, Planmeca Chair, Planmeca Clarify, Planmeca Cleanic, Planmeca ClinicPatrol by BWT, Planmeca Compact, Planmeca ConBo, Planmeca CORE, Planmeca Creo, Planmeca Emerald, Planmeca FIT, Planmeca Halo, Planmeca Imprex, Planmeca Intra, Planmeca Insights, Planmeca iRomexis, Planmeca Lumion, Planmeca Lumo, Planmeca Maximity, Planmeca Minea, Planmeca Minendo, Planmeca Minetto, Planmeca mRomexis, Planmeca Noma, Planmeca Olo, Planmeca Online, Planmeca Onyx, Planmeca Patrol by BWT, Planmeca Piezon, Planmeca PlanCAD, Planmeca PlanCAM, Planmeca PlanClear, Planmeca PlanDesk, Planmeca PlanID, Planmeca PlanMill, Planmeca Planosil, Planmeca PlanPure, Planmeca PlanScan, Planmeca PlanView, Planmeca Pro40, Planmeca Pro50, Planmeca ProCeph, Planmeca ProFace, Planmeca ProID, Planmeca ProMax, Planmeca ProModel, Planmeca ProOne, Planmeca ProScanner, Planmeca ProSensor, Planmeca ProX, Planmeca PULSE, Planmeca Romexis, Planmeca Serenus, Planmeca SingLED, Planmeca SmartGUI, Planmeca Solanna, Planmeca Somia, Planmeca Sovereign, Planmeca Ultra Low Dose, Planmeca Verity, Planmeca Vision, Planmeca Viso, Planmeca Waterline Cleaning System, Planmeca Xtremity, Proline Dental Stool, ProTouch, Saddle Stool, SmartPan, SmartTouch, Trendy, and Ultra Relax are registered or non-registered trademarks of Planmeca in various countries.

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