

All in one software



Better care through innovation

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“It’s my pleasure to introduce you to our revolutionary all-in-one concept. We offer dental clinics a completely digital solution, based on the capability to network all digital dental equipment with one software platform. **Planmeca Romexis®** integrates all our digital dental units, 2D and 3D imaging devices and CAD/CAM solutions. This brings unforeseen possibilities for diagnostics, patient treatment and clinic management.

Dentistry will be completely digital in the future, and the possibilities introduced by 3D technology will transform the entire field. Our new CAD/CAM solutions together with our advanced 3D combinations offer a new and innovative way to take your clinic to a high-tech level.

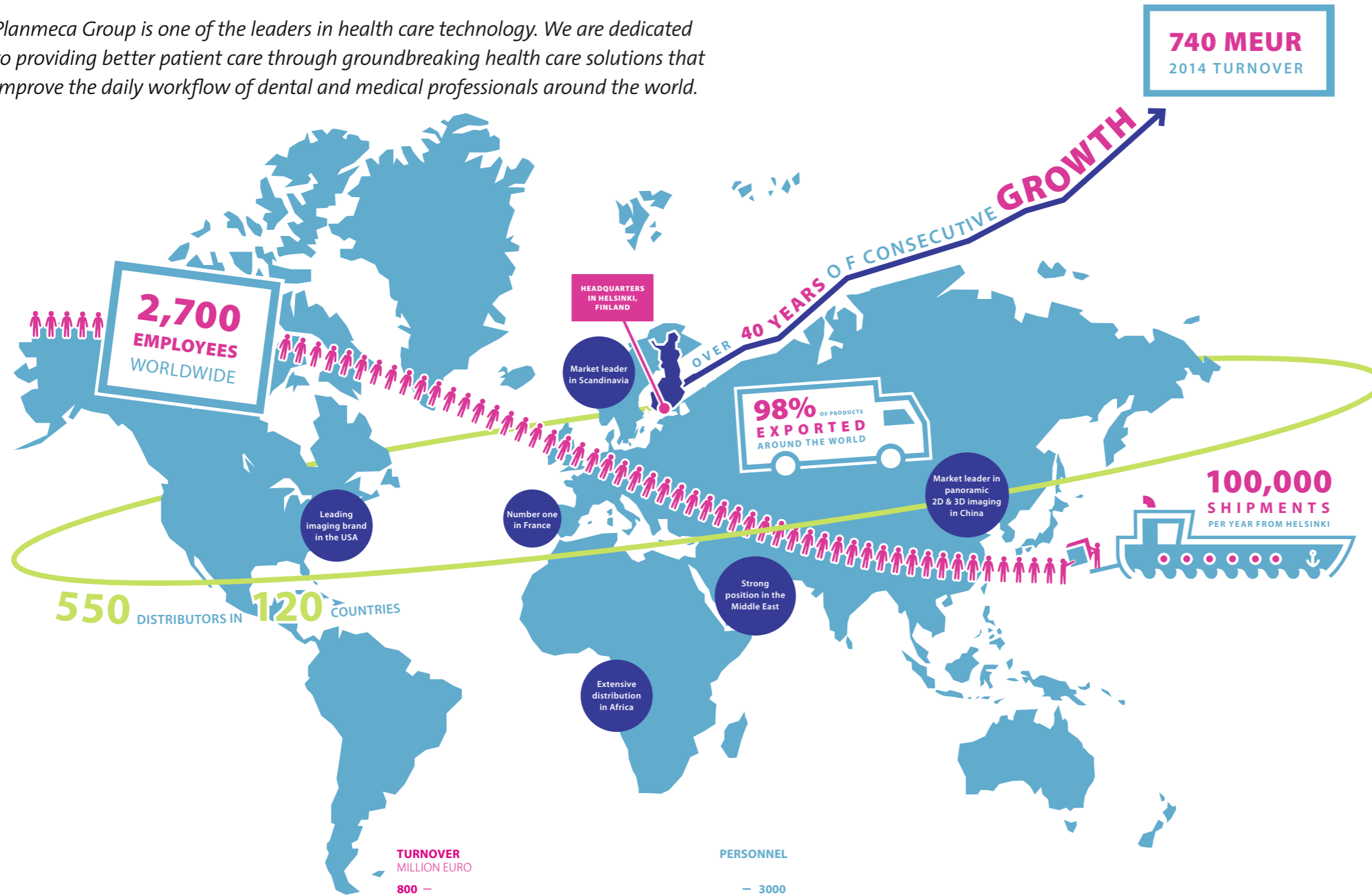
I’m extremely proud of our product innovations, and for over 40 years we’ve worked closely with dental professionals to set new standards in our field. What makes us a bit different is that all core product development and manufacturing takes place in Finland – ensuring exceptional quality and unmatched attention to detail at every stage of the process.

As a privately owned company, we are in control of our own destiny and able to make the long term R&D commitments that are the driving force behind our innovations. I firmly believe that this dedication to continuous development enables us to offer the most inspiring working environment for dental professionals worldwide.”

Heikki Kyöstiä
President and founder
Planmeca Group

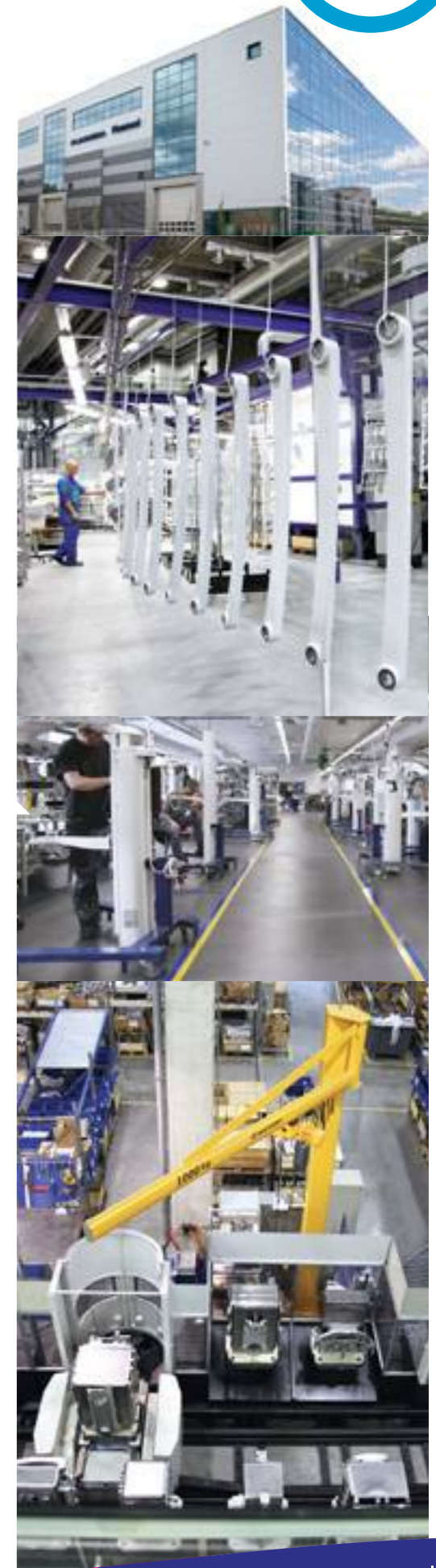
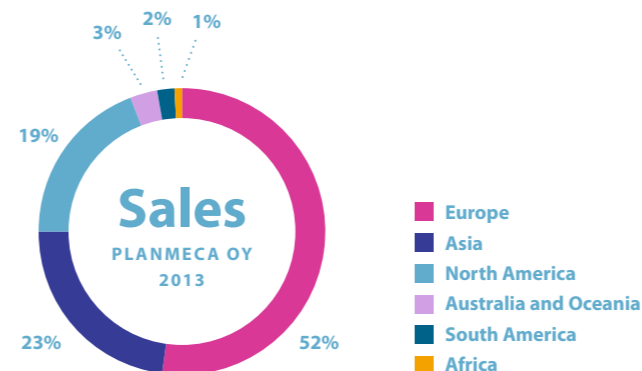
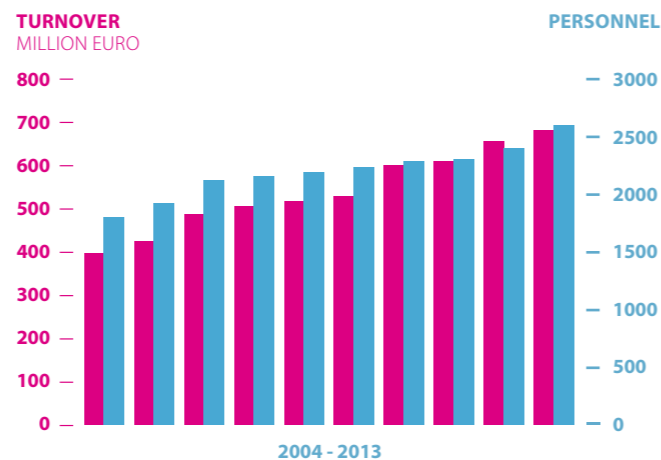
A truly global player

Planmeca Group is one of the leaders in health care technology. We are dedicated to providing better patient care through groundbreaking health care solutions that improve the daily workflow of dental and medical professionals around the world.



Planmeca Group operates in over 120 countries, employing nearly 2,700 people worldwide. Our headquarters and production facilities are located in Helsinki, Finland, where we design and manufacture our world-leading solutions, all under one roof. Over 98% of our products are exported around the world.

Founded in 1971, our parent company Planmeca Oy is one of the largest dental equipment manufacturers in the world – and the largest privately owned one.



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One software for all your needs

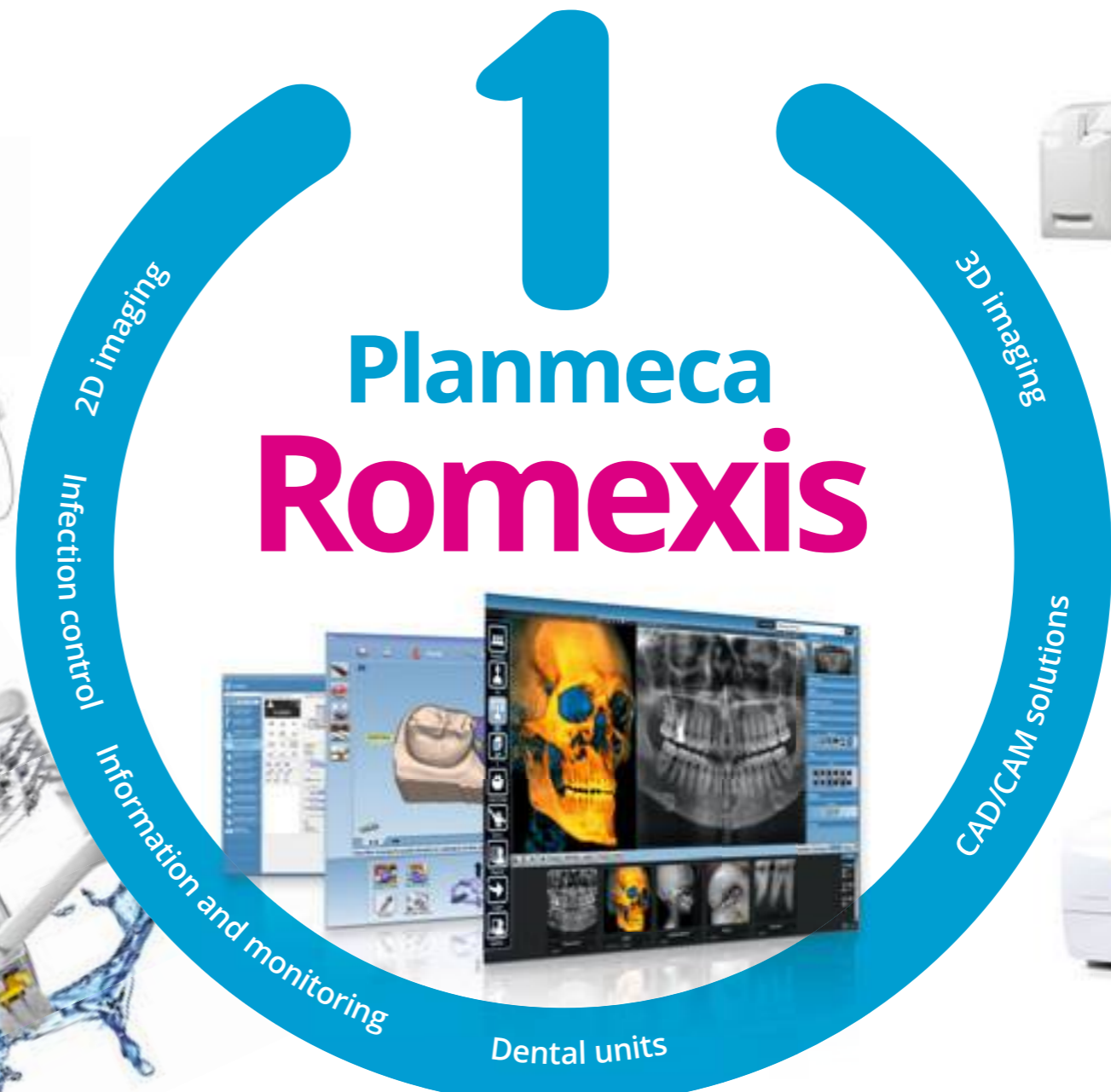
Imaging and CAD/CAM in one software – an industry first

Planmeca offers a revolutionary all-in-one software solution for clinics of all sizes. Our world-leading **Planmeca Romexis®** software is the brains behind all our products, bringing together all the equipment at your dental clinic from CAD/CAM to imaging devices and dental units.

The **Planmeca Romexis®** software is a unique all-in-one concept, assuring true integration of all dental devices at your clinic. One easy-to-use interface is used for all patient images from X-rays to CAD/CAM. All information is stored in one centralised database.

The same software networks all Planmeca equipment, offering exceptional features and remote monitoring possibilities. This ensures unforeseen time and cost efficiency for clinics, allowing your entire team to fully concentrate on patient treatment.

One easy-to-use interface



The most versatile software solution

All business scopes

- Private practices with one treatment room
- Medium sized clinics
- Multi-site group practises
- Hospitals and universities

All specialities

- Radiology
- Implantology
- Prosthodontics
- Orthodontics
- Endodontics
- Maxillofacial surgery
- ENT
- CAD/CAM
- Esthetic dentistry

All modalities

- Panoramic images
- Cephalometric images
- Intraoral images
- Photos
- CBCT images
- 3D intraoral scans
- 3D photos
- TWAIN devices

All platforms

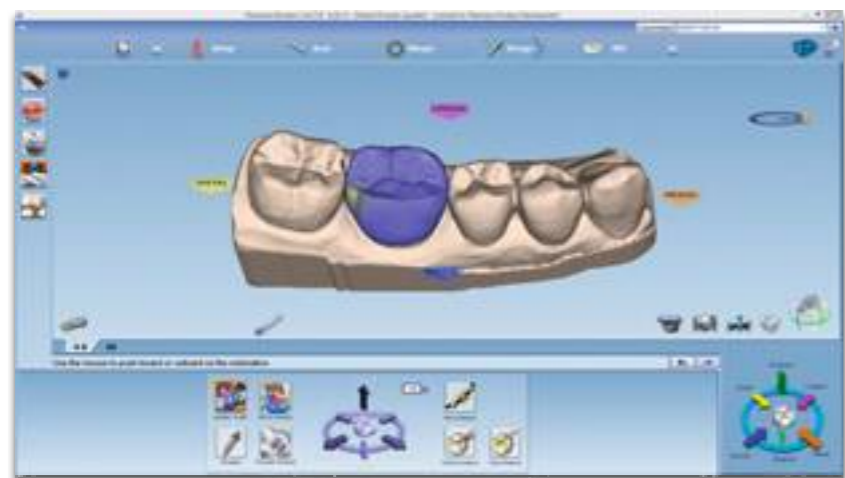
- Native support for Windows and Mac OS
- **Planmeca mRomexis™** mobile viewer application for iOS and Android devices
- **Planmeca Romexis® Cloud** information exchange service

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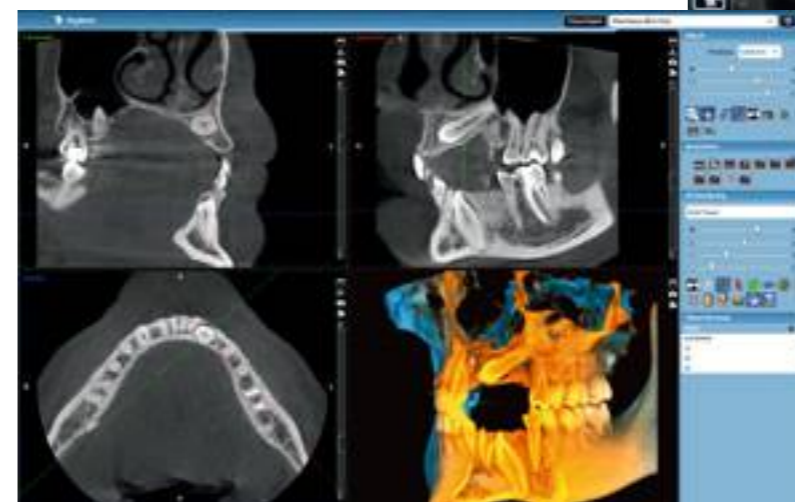


Unique features and performance

Planmeca Romexis® is a flexible software suite with advanced features designed to fulfil the needs of any dental facility – from a small clinic to a large hospital. In addition to our unique specialist tools, advanced security and quality assurance, as well as intelligent mobile apps, Planmeca Romexis offers excellent compatibility with patient management systems.



Open STL for CAD/CAM



Tools for all specialities

- 2D imaging
 - X-ray images and photos
 - 2D cephalometric analysis
- 3D imaging
 - Implant planning
 - Airway analysis
 - TMJ analysis
 - Cross sectional and panoramic views
 - Orthodontic treatment planning
 - 3D photo and surface images
- CAD/CAM
 - Scanning, designing and milling
- Reporting
 - Printing, database queries, attachments

Easy sharing of results

- The central **Planmeca Romexis®** server keeps all images, 3D models and treatment plans organized and easily accessible
- Support for multi-site setups
- **Planmeca Romexis® Cloud** service for easy image and information transfer
- **Planmeca mRomexis™** mobile viewer application
- Free **Planmeca Romexis® Viewer**

Open and compatible

- Integration with practice management systems like Dentrax, Axium
- Connects with Henry Schein DDX
- Integrated order forms for 3D Diagnostix and Materialise Dental services
- Connectivity to hospital systems via DICOM compliance
- Export & Import in standard formats in 2D and 3D including DICOM
- Open STL file format for CAD/CAM
- Integration with various specialty software: Dolphin 3D, Simplant, NobelClinician and coDiagnostix

Built-in security and quality assurance

- Central monitoring of X-ray units, dental units and milling machines
- Infection control logging
- Audit trail and quality assurance using built-in reporting
- Secure communication
- Powerful user and group management
- Active Directory support

Free Planmeca Romexis® Viewer application

Full-featured viewer application
No installation required
Mac OS and Windows support
Distribute to specialists or patients



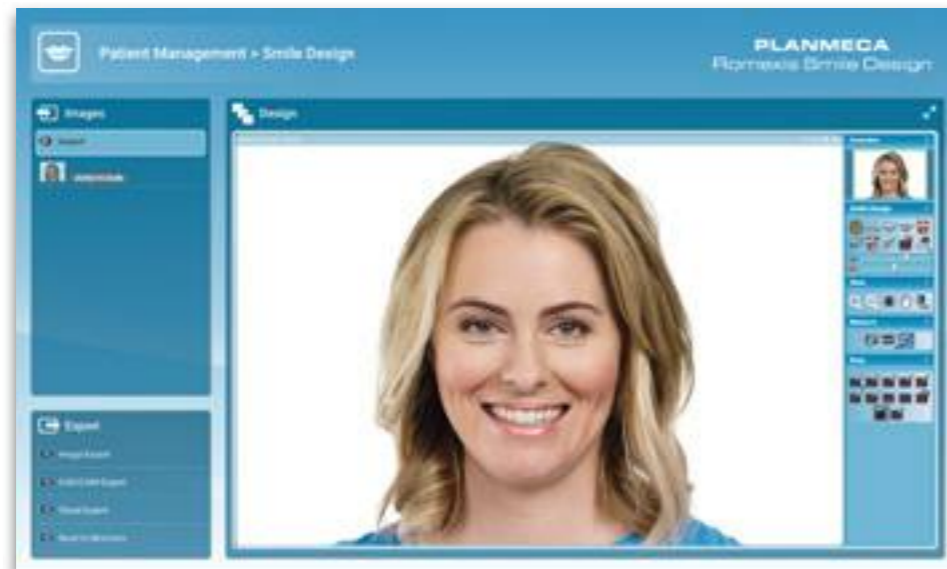
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Unveil the perfect smile

A smile can make a difference. The **Planmeca Romexis® Smile Design** software upholds the standard of excellence we are known for, as it allows dentists to design the smile of their patient's dreams in a matter of minutes. It does not require any additional equipment or software to function – offering easy to use tools for designing beautiful, natural smiles.

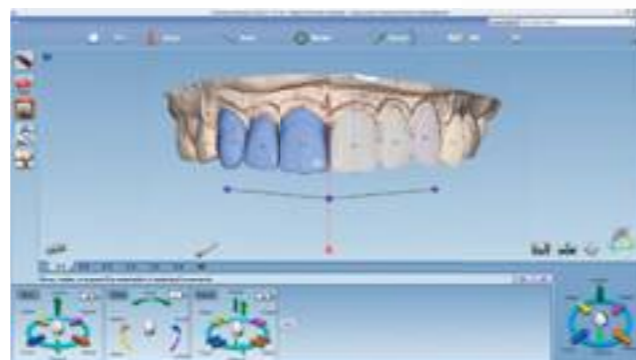


Clear communication

Planmeca Romexis® Smile Design is an exceptional tool for communication. It allows dentists to communicate with an interdisciplinary team of specialists and dental laboratories visually and numerically – ensuring that treatment goals accepted by the patient are reached. Designs can be securely shared via the **Planmeca Romexis® Cloud** file transfer service or **Planmeca mRomexis™** mobile application.

Integration with CAD/CAM and Ortho solutions

Planmeca Romexis Smile Design allows dentists to do more than clear visualisation. Completed smile designs can be fluidly exported on to any CAD/CAM software for realisation, such as **Planmeca PlanCAD® Easy**, **Planmeca Romexis® 3D Ortho Studio** or any **Planmeca Romexis® 3D** module. The 2D design acts as a visual guide or reference for physical mockup designing, as well as final restoration.



A fast and easy workflow

Planmeca Romexis Smile Design is characterised by its smooth and streamlined workflow. The software allows manipulation of the position, shape or dimensions of each tooth individually to achieve the best possible look and fit, ensuring fantastic results in only a few minutes.

Become a smile designer today

Planmeca Romexis Smile Design can be included as a part of the Planmeca Romexis platform. A standalone version of the software is also available for download from our **Planmeca Online™** store – with a 1 month free trial offered. The software is available for Mac OS and Windows

Start your free 30-day trial today!
planmeca.com/online

Become a smile designer in 2 minutes
planmeca.com/LearnToSmileDesign

Give your patients
a reason to smile!

Design a digital mockup in 3 minutes on the first visit

1 Align and calibrate

- Adjustable vertical and horizontal orientation lines
- Free drawing smile lines
- Accurate angle and distance measurements



2 Diagnose and design

- Quickly scalable tooth silhouettes
- Width and height measured automatically
- Ratio of width and height calculated automatically
- Crown lengthening tool
- Tooth mirroring
- Up to 14 tooth silhouettes available
- Five different tooth shapes available (standard, oval, rectangular, triangular, square)
- Possibility to save own tooth shapes
- Adjustable silhouette transparency
- Smile area definition
- Aligning retractor image for gumline design
- Possibility to work with the retractor and smile images simultaneously



3 Simulate and present

- Photorealistic simulation
- Adjustable shade
- Viewing before-and-after images
- Possibility to print design
- Sending designs to iPhone or email



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Your mobile world of imaging

Our advanced **Planmeca mRomexis™** multiplatform application allows you to flexibly access your images on the go. Remove the constraint of place – consult with colleagues and communicate with patients easily wherever you are.

New Planmeca mRomexis™
for iOS, Android and browsers

Stay mobile with the Planmeca mRomexis™ image viewing application

Our fast, easy and light **Planmeca mRomexis™** image viewing application is designed for flexible multiplatform use. It is available for iOS and Android devices and as a browser-based desktop application. Access all your images in the **Planmeca Romexis®** database on a local network or carry images with you on your mobile device. Experience the new level of freedom Planmeca's mobile world can offer!

Planmeca mRomexis allows you to stay informed at all times. It is the ideal solution for fast and light viewing of 2D and 3D images, 3D surface models and **Planmeca ProFace®** facial photos. Images can be flexibly shared via the **Planmeca Romexis® Cloud** image transfer service.

Constantly keep up with your workflow with Planmeca mRomexis and ensure that images most relevant to your next task are always readily available.



Download the **Planmeca mRomexis™** application for iOS and Android from the App Store or Google Play.



Share images and expertise online

Planmeca Romexis® Cloud is a secure image transfer service for **Planmeca Romexis®** users and their partners. Now you can easily share images and CAD/CAM cases with any specialist or patient.

- Seamlessly integrated into **Planmeca Romexis®** ensuring an efficient workflow – no need for external applications or CDs and DVDs
- Planmeca Romexis software and **Planmeca Romexis® Cloud** subscription are required for sending new cases
- Dental laboratories can receive CAD/CAM cases without additional software

- Recipients are automatically notified of new cases
- Secure transfer of information
- Receive cases at no cost – only e-mail required
- You can also view cases using **Planmeca Romexis® Viewer** or **Planmeca mRomexis™**

- Virtual patient cases can include:
- 2D X-ray images and photos
 - CBCT volumes and 3D photos
 - Dental models: **Planmeca PlanScan®** intraoral scans and any STL files
 - Documents: Referrals and reports

- All treatment plan elements are automatically included:
- Annotations and measurements
 - Radiological findings
 - Restorative design parameters, such as material and shade

Planmeca Romexis® Cloud
IMAGES
REFERRALS
INTERPRETATIONS
TREATMENT PLANS

Share expertise

Exchange virtual patients

Communicate information

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Planmeca's CBCT family – fantastic five

Planmeca ProMax® 3D is a product family consisting of exceptional all-in-one units. With three different types of three-dimensional imaging – as well as panoramic, extraoral bitewing and cephalometric imaging – **these intelligent products can meet all your maxillofacial imaging needs.**

Adjustable FOV and location



Planmeca ProMax® 3D s

Volume sizes
 Ø50 x 80 mm
 Ø50 x 50 mm
 Stitched volume 90 x 60 x 130 mm



Planmeca ProMax® 3D Classic

Volume sizes
 Ø80 x 80 mm
 Ø80 x 50 mm
 Ø50 x 80 mm
 Ø50 x 50 mm
 Stitched volume 140 x 105 x 80 mm



Planmeca ProMax® 3D Plus

Volume sizes
 Ø160 x 90 mm
 Ø160 x 50 mm
 Ø90 x 90 mm
 Ø90 x 50 mm
 Ø70 x 70 mm
 Ø70 x 50 mm
 Ø40 x 70 mm
 Ø40 x 50 mm



Planmeca ProMax® 3D Mid

Volume sizes
 Ø200 x 170 mm
 Ø200 x 100 mm
 Ø200 x 60 mm
 Ø100 x 100 mm
 Ø100 x 60 mm
 Ø80 x 80 mm
 Ø80 x 50 mm
 Ø40 x 80 mm
 Ø40 x 50 mm



Planmeca ProMax® 3D Max

Volume sizes
 Ø230 x 260 mm
 Ø230 x 160 mm
 Ø130 x 160 mm
 Ø130 x 130 mm
 Ø100 x 130 mm
 Ø130 x 90 mm
 Ø130 x 55 mm
 Ø100 x 90 mm
 Ø100 x 55 mm
 Ø50 x 55 mm

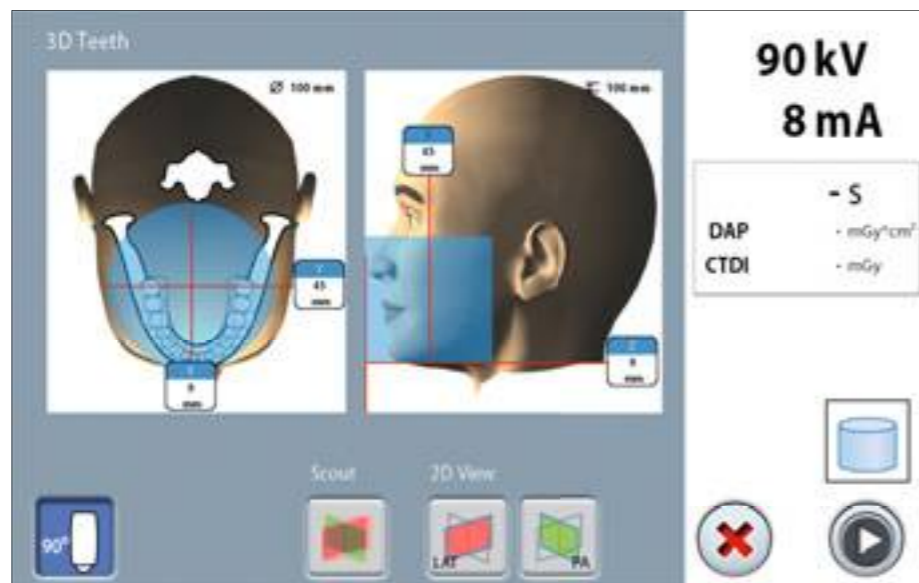
True all-in-one units for all your imaging needs.

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Advanced imaging technology

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



User-friendly Planmeca ProTouch™ control panel

- Clear and straightforward graphical user interface guides you smoothly through the work process
- Pre-programmed sites and exposure values for different image types and targets save you time and allow you to focus on your patients

New 120 kV tube voltage

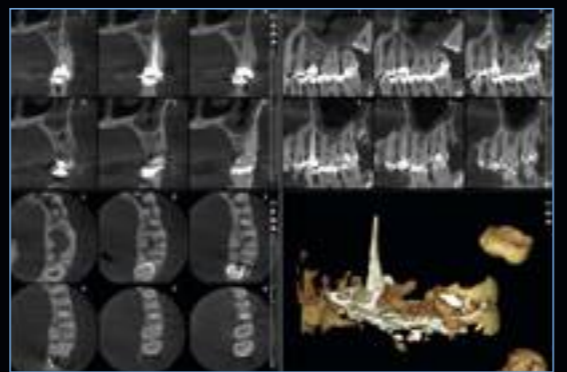
120 kV tube voltage enables optimised quality for challenging imaging cases – reducing artefacts and ensuring higher contrast images.

Optimised imaging modes for different needs

- **Low dose** mode captures an image with a minimal dose of radiation. Ideally suited for orthodontic, pediatric and sinus studies. Voxel size 400 or 600 µm
- **Normal** mode is the best choice for most common imaging needs. Voxel size 200 µm
- **High definition** mode is designed for imaging of small objects, such as ear bones. Voxel size 150 µm
- **Braces** protocol offers optimised exposure settings for imaging patients with brackets. Voxel size 150 µm
- **High resolution** provides more detail, when necessary. Voxel size 100 µm
- **Endodontic** mode offers the best resolution with the smallest size. Voxel size 75 µm

New endodontic mode

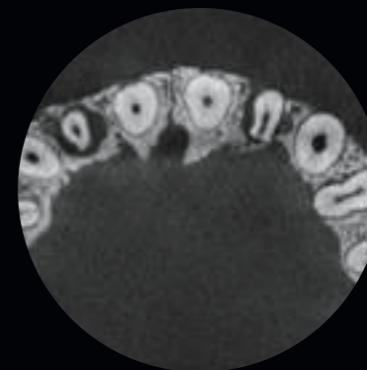
- Extremely high resolution with 75 µm voxel size
- Perfect for the smallest details, enables precise diagnostics and treatment plans



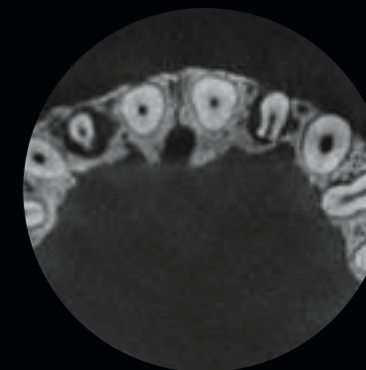
Noise-free images with Planmeca AINO™

Planmeca AINO™ is an intelligent 3D noise filter that removes noise from CBCT images without losing valuable details. The filter is useful in the Planmeca Ultra Low Dose™ protocol, where noise is induced by the particularly low dose. It also improves image quality in the endodontic imaging mode, where noise is inherent due to an extremely small voxel size. Planmeca AINO also allows to reduce exposure values in all other imaging modes by reducing noise.

Without noise removal



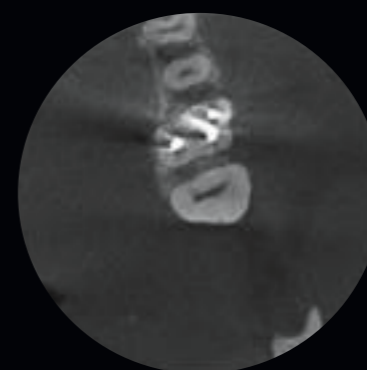
With the Planmeca AINO™ noise filter



Planmeca ARA™ – enjoy your 3D images without artefacts

Metal restorations and root fillings in the patient's mouth can cause shadows and streaks in CBCT images. The intelligent Planmeca ARA™ system removes these artefacts efficiently from Planmeca ProMax® 3D images. Our pioneering algorithm is based on a heuristic model and is the result of extensive scientific research and a vast amount of clinical patient data.

Without artefact removal



With the Planmeca ARA™ artefact removal algorithm



ROI for higher resolution images

The ROI (Region of Interest) reconstruction function can generate a new small voxel volume from the image data of a previously taken large voxel volume. This enables a more precise diagnosis without the need to expose your patient to additional radiation.

Original volume, 400 µm



Reconstructed volume with higher resolution, 200 µm



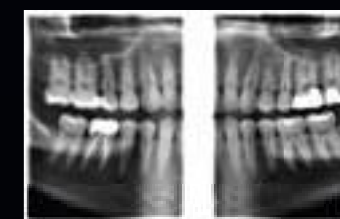
2D SmartPan™ – unique panoramic imaging

- A unique system for 2D imaging
- Uses the same 3D sensor for 2D panoramic imaging, eliminating the need to change sensors
- Users can browse between panoramic images and select the most suitable one for diagnosis
- Same patient positioning and image processing parameters as in 2D imaging programs

SmartPan™ panoramic



SmartPan™ bitewing



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Unique 3D combinations – an industry first



*We're the first company to combine three different types of 3D data with one X-ray unit. The **Planmeca ProMax® 3D** family brings together a Cone Beam Computed Tomography (CBCT) image, 3D face photo and 3D model scan into one 3D image – using the same advanced software. This 3D combination creates a virtual patient in 3D, helping you with all your clinical needs.*



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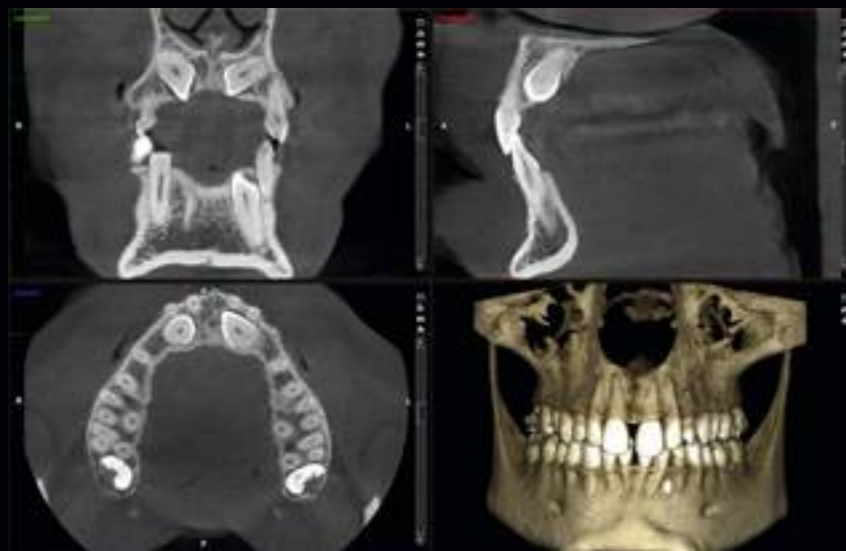
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Unique 3D combinations for advanced dentistry

See more than ever before



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3D X-ray image

Cone Beam Computed Tomography (CBCT) is an X-ray imaging technology where a large number of 2D images are taken of a patient from different angles. A 3D volumetric image is then calculated from these 2D projections. The resulting images can be viewed with our advanced imaging software from any angle, including the axial, coronal, sagittal and cross-sectional planes.

The world's first X-ray integrated face camera



3D face photo

Planmeca ProFace® is an exclusive 3D face photo system available for all of our 3D X-ray units. This pioneering integrated system produces a realistic 3D face photo and CBCT image in a single imaging session. You can also take a separate 3D face photo without exposing your patient to any radiation.



Scanning a plaster cast to a digital model



Scanning an impression to a digital model



Scanned impressions of upper and lower arches and bite index in 3D

3D model scan

You can use all X-ray units in the **Planmeca ProMax® 3D** family to scan both impressions and plaster casts – an exciting feature that was an industry first for our CBCT units. With our advanced **Planmeca Romexis®** software, the digitised models are available immediately and stored for later use.

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Pioneering low dose 3D imaging

Planmeca ProMax® 3D 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.

More information, less radiation

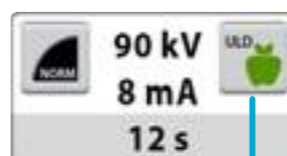
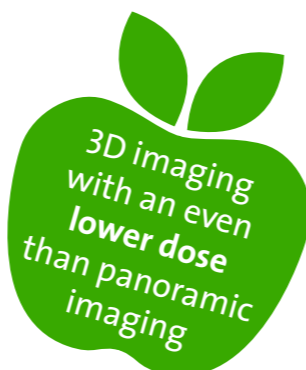
Planmeca Ultra Low Dose™ can be used with all voxel sizes and in all imaging modes from Normal to Endodontic mode. Using the Planmeca Ultra Low Dose protocol reduces the effective patient dose by an average of 77 per cent.

The unique and pioneering imaging protocol is based on intelligent 3D algorithms developed by Planmeca. Our 3D imaging system allows clinicians to always choose the optimal balance between image quality and dose, based on the ALARA principle.

Ideal for many clinical cases

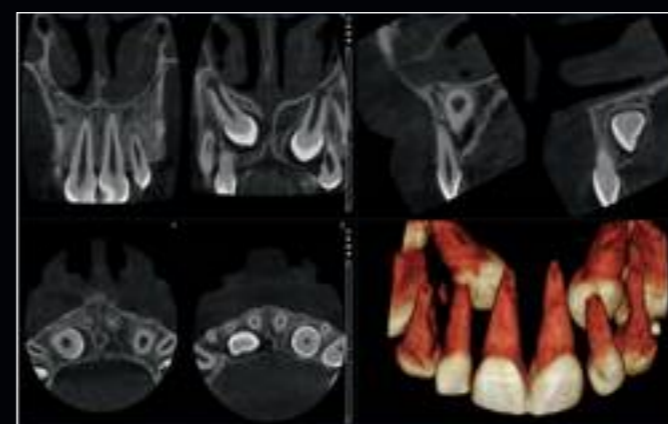
The Planmeca Ultra Low Dose protocol has proven to be ideal for many clinical cases.

- Orthodontics:
 - Defining the amount of bone around the root
 - Localising unerupted and impacted teeth before orthodontic treatment
 - Defining orthodontic landmarks for cephalometric analysis
- Post-operative and follow-up images in maxillofacial surgery
- Airway studies
- Sinus studies
- Implant planning



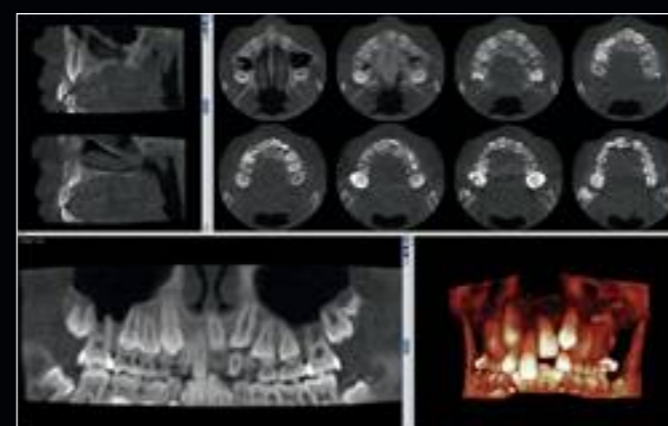
Planmeca ProMax® 3D Mid

- FOV Ø 200 x 170 mm / Voxel size 600 µm
- Effective patient dose 14.7 µSv



Planmeca ProMax® 3D Classic

- FOV Ø 40 x 50 mm / Voxel size 150 µm
- Effective patient dose 14.4 µSv



Planmeca ProMax® 3D Max

- FOV Ø 85 x 50 mm / Voxel size 400 µm
- Effective patient dose 4.0 µSv



Planmeca ProMax® 3D Mid

- FOV Ø 200 x 170 mm / Voxel size 600 µm
- Effective patient dose 29.2 µSv

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



Prof. Dr. Axel Bumann
DDS, PhD, Orthodontist,
Oral surgeon, Oral and
Maxillofacial Radiology,
MESANTIS® 3D
DENTAL-RADIOLOGICUM

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 to reduce the possible 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 show an effective dose ranging between 49–90 µSv.

The latest image 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 it is required according to all

international scientific guidelines. Therefore, it is possible to further reduce the effective dose significantly by using the Planmeca Ultra Low Dose protocol. Depending on the field of view, nowadays CBCT equipment with a Planmeca Ultra Low Dose algorithm has an effective dose between 4 to 22 or 10 to 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. Since last year we have been able to replace the common CBCT protocols with the Planmeca Ultra Low Dose protocol.

At MESANTIS® 3D DENTAL-RADIOLOGICUM in Germany, the Planmeca Ultra Low Dose imaging protocol is used either with a small or large field of view. Using the new protocol, a lot of patients can benefit from improved 3D diagnostics without being exposed to a higher radiation dose.

Prof. Dr. Axel Bumann

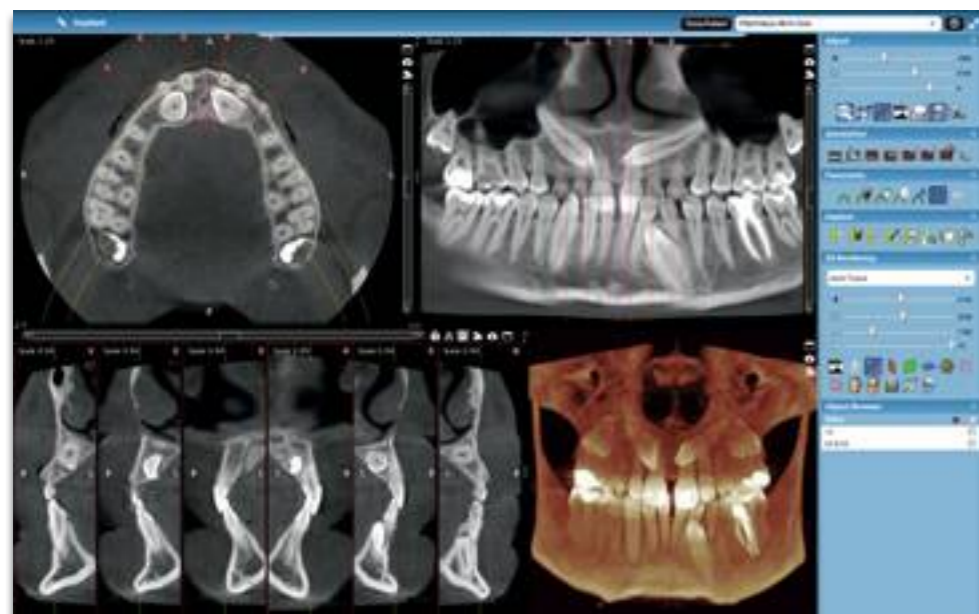
Prof. Dr. Bumann states that he has not received any financial reward or other benefit for this interview.

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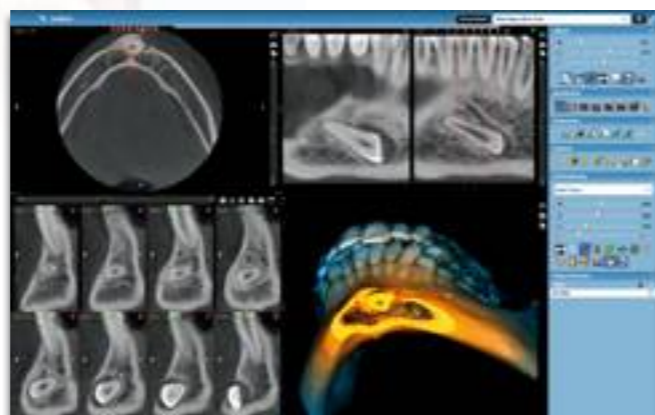
The most advanced 3D modules

Our pioneering **Planmeca Romexis®** software offers specially designed tools for implantologists, endodontists, prosthodontists, periodontists, orthodontists, maxillofacial surgeons, and radiologists.



Excellent tools for quality images

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 – so you can choose those most suited to your needs.

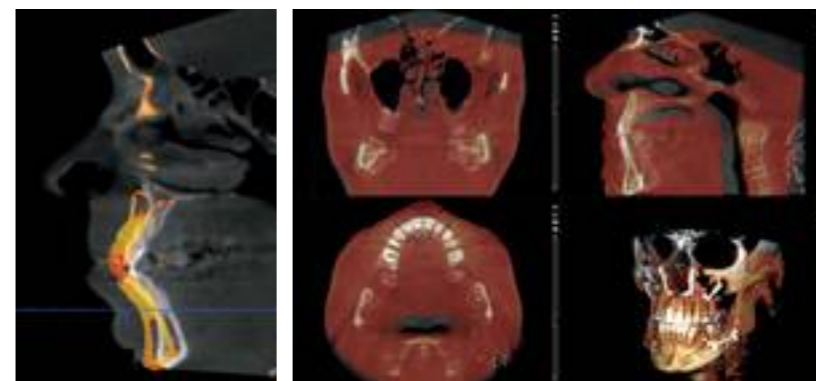


Convenient 3D diagnosis

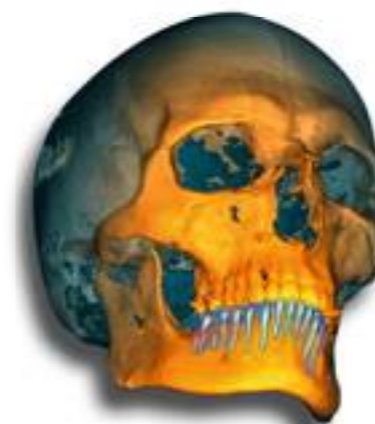
The Planmeca Romexis 3D rendering view gives an immediate overview of the anatomy and serves as an excellent patient education tool. It allows images to be viewed instantly from different projections or converted into panoramic images and cross-sectional slices. Measuring and annotation tools – such as nerve canal tracing – assist in safe and accurate treatment planning.

Superimpose CBCT

New to Planmeca Romexis 3D, the module 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. The module also allows users to compare CBCT and MRI images side by side – providing a comprehensive view of a patient's anatomy.



Tampere University Hospital, Medical Imaging Center, Finland



Tooth segmentation

Planmeca Romexis provides a new, intuitive and efficient tool for segmenting a tooth and its root from a CBCT image. The guided process enables quick segmentation of a patient's full dentition. Surface models of segmented teeth can be visualised, measured and utilised e.g. in the **Planmeca Romexis® 3D Ortho Studio** module as part of orthodontic treatments.

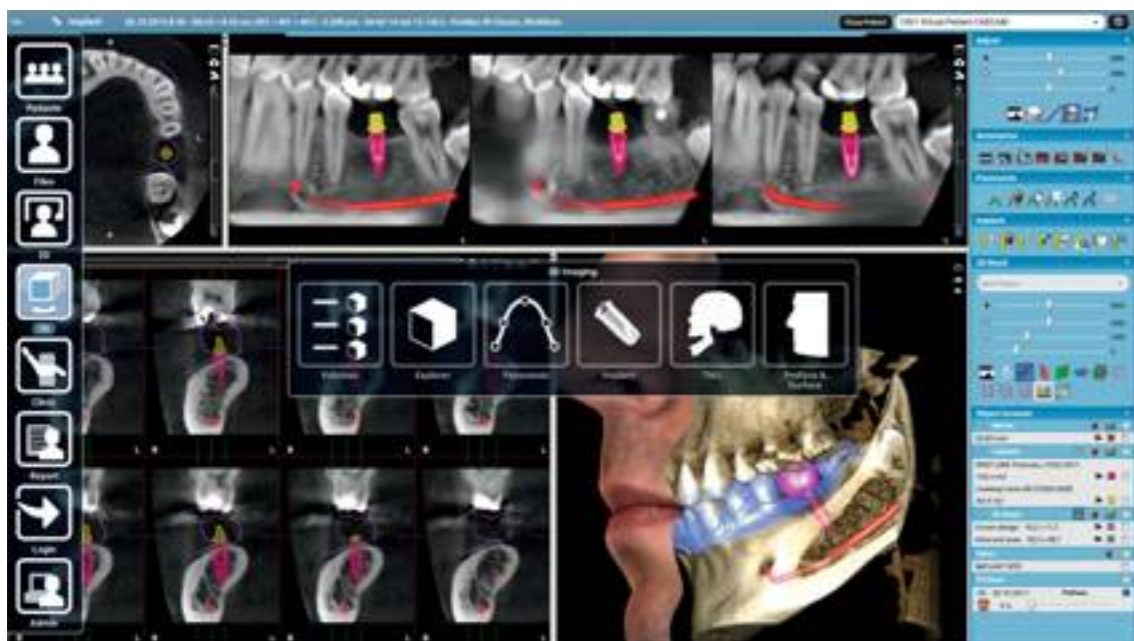
Planmeca Romexis® 3D imaging highlights

- Implant planning with realistic implant models and abutment designer
- Cross sectional multi-planar reconstruction
- Panoramic and cephalometric views
- Airway analysis
- 3D Region Grow – software assisted volumetric segmentation
- Radiological findings module
- TMJ analysis
- Orthodontic treatment planning
- 3D photo and surface images
- Merge modalities to create 3D virtual patient

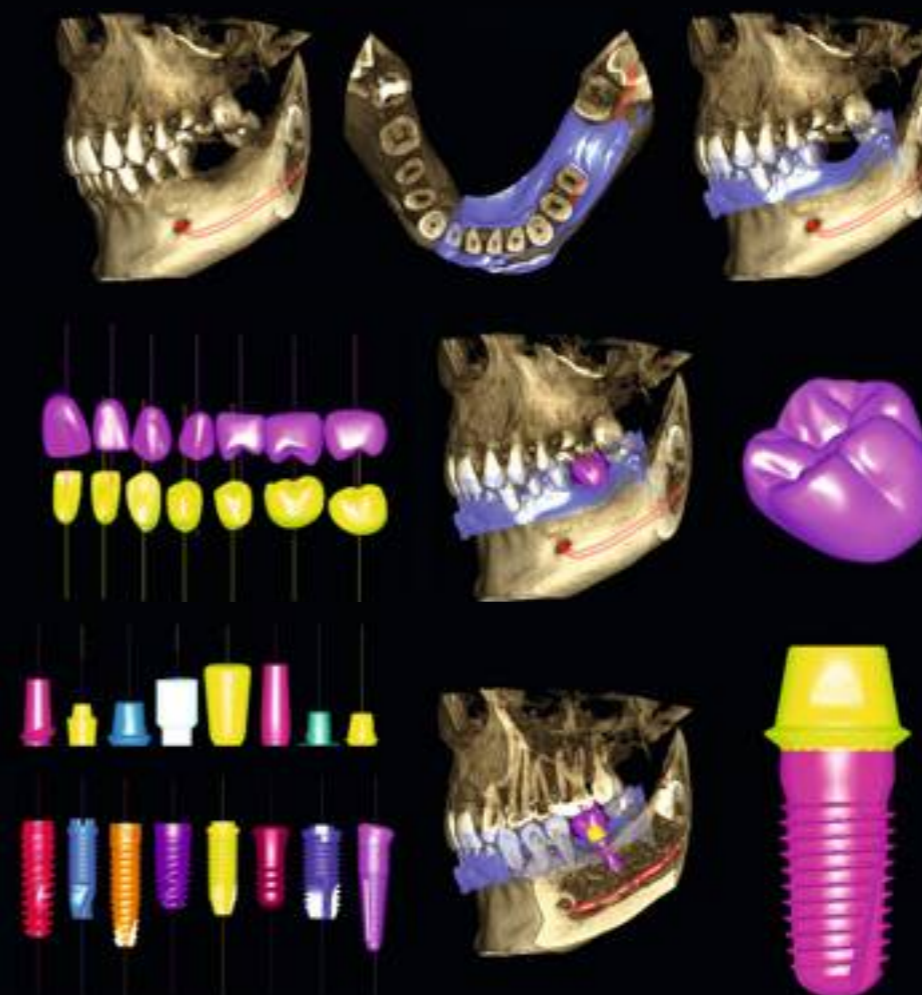


Implant planning module – implantology made easy

Our **Planmeca Romexis® 3D Implant Planning** module offers the most sophisticated tools to meet all the needs of modern implantology. The **Planmeca Romexis®** implant library includes realistic implant models from over 40 manufacturers worldwide. The library also includes abutment and crown models to help with the planning process.



Planmeca Romexis® allows the easy planning and verification of implant placements using realistic implant, abutment and crown models from our Planmeca Romexis libraries. You can also import and superimpose a soft-tissue scan and crown design with CBCT data – providing you with the perfect environment for implant planning.

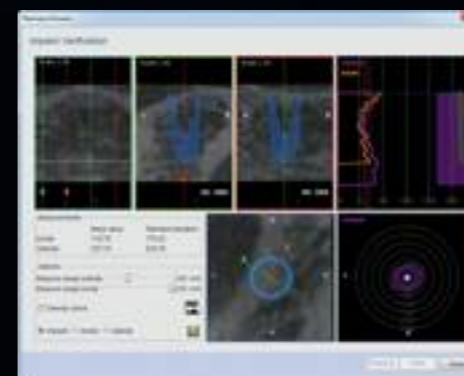


Mark the nerve on the CBCT image

Superimpose the 3D model scan on the CBCT image with the Planmeca Romexis® software

Use the Planmeca Romexis® crown library or import a patient-specific crown from the CAD system to the software

Use the extensive Planmeca Romexis® implant and abutment library to finalise the plan



Verify the plan with the implant verification tool



Order the surgical drilling guide from Materialise Dental or 3D Diagnostix using the integrated order form

- Patients
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Planmeca Romexis® 3D Ortho Studio – modern 3D tools for orthodontics

Planmeca Romexis® 3D Ortho Studio provides innovative tools for orthodontists and dental laboratories. Our advanced module is designed for the examination and analysis of digital dental models scanned with Planmeca ProMax® 3D X-ray units or the Planmeca PlanScan® intraoral scanner – and also for planning orthodontic treatments in 3D.

Dental model analysis

Dental impressions and plaster casts scanned with the Planmeca ProMax® 3D model scanning mode can be aligned with the bite index using the Planmeca Romexis® software. Examination, analysis and treatment planning are then conveniently done in the Planmeca Romexis® 3D Ortho Studio module.

The module makes dental model analysis easier than ever by offering all the necessary tools for virtual base creation, occlusion inspection, and versatile teeth and arch measurements.



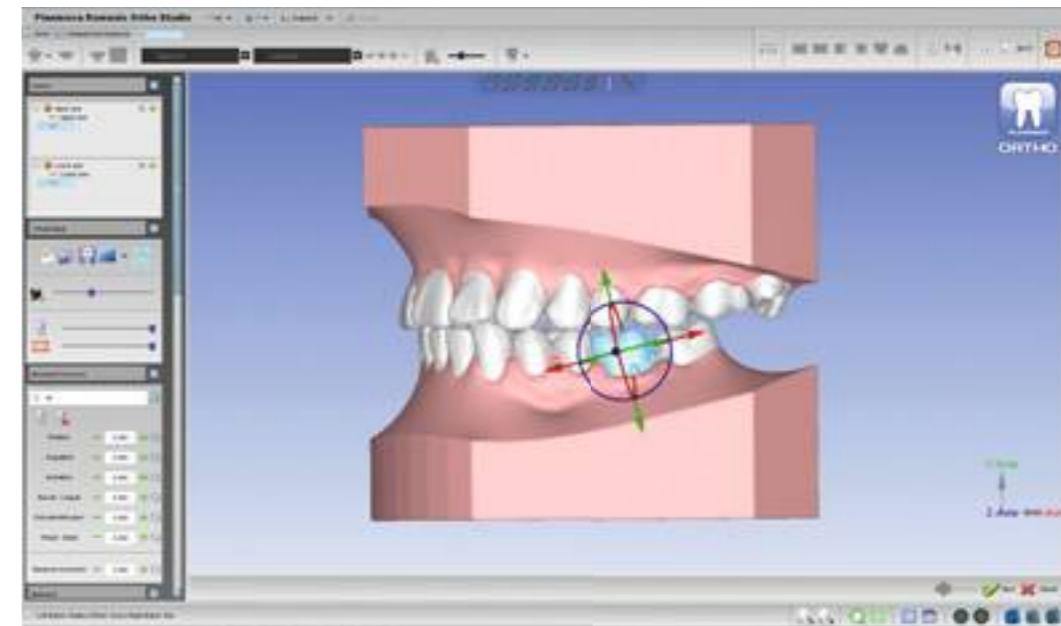
Planmeca PlanScan®



Plaster cast in Planmeca ProMax® 3D



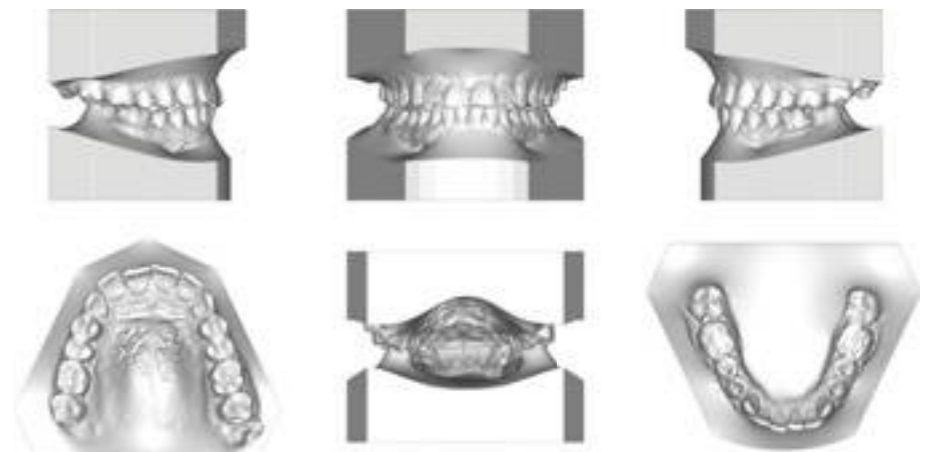
Impression scan in Planmeca ProMax® 3D



Treatment planning in 3D

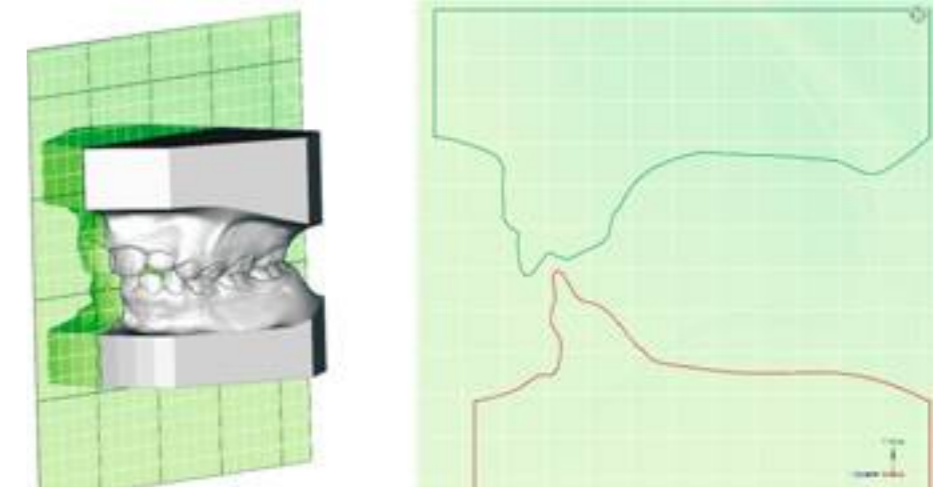
A staged treatment plan can be established in Planmeca Romexis 3D Ortho Studio by displacing the teeth in a virtual tooth setup, while visualising intersections and contacts.

All the applied changes such as tooth movements, interproximal reductions and tooth extractions are summarised in a detailed treatment plan report. The treatment plan can be easily shared with others.



Export of digital dental models in STL format

Planmeca Romexis 3D Ortho Studio generates a sequence of digital dental models for each treatment stage. The models can be exported in STL format for 3D printing and custom appliance design and manufacturing. The module is compatible with the Windows operating system.



The Braces imaging protocol for Planmeca ProMax® 3D units

Our special Braces imaging protocol offers optimised exposure settings for imaging patients with brackets. The acquired images can be utilised when designing braces.



Available in Planmeca ProMax® 3D Classic, Planmeca ProMax® 3D Mid and Planmeca ProMax® 3D Max.

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Frontrunners in open CAD/CAM dentistry

CAD/CAM for dental clinics

PLANMECA FIT™



Scan.

Planmeca PlanScan®



Planmeca PlanCAD® Easy



Planmeca Romexis®
lab order form



Planmeca Romexis®
Cloud



Manufacture.

Planmeca PlanMill® 40

CAD/CAM for dental labs



Scan.

Planmeca PlanScan® Lab



Planmeca PlanCAD® Premium



Manufacture.

Planmeca PlanMill® 50

Milling center



PlanEasyMill™

- Patients
- Files
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CAD/CAM for dental clinics

PLANMECAFIT™ Open CAD/CAM System

From ultra-fast intraoral scanning to high-precision chairside milling, our cutting-edge digital solutions include all the necessary tools for a completely integrated and digital workflow. The open interfaces between devices and software allow you to either choose the entire chairside workflow or smoothly communicate with your partner laboratory via the **Planmeca Romexis® Cloud** image transfer service.



Planmeca PlanScan®

- Digital intraoral scanner
- Real-time, accurate and quick scanning
- Powder-free
- Open STL file format
- Can be used either standalone or integrated to a Planmeca dental unit
- Plug & play

Planmeca PlanCAD® Easy

- Fast and easy-to-use software suite for designing prosthetic works
- Seamlessly integrated into **Planmeca Romexis®** software
- Intelligent Planmeca Romexis licensing enables scanning, designing and milling independently

Planmeca PlanMill® 40

- Fast and precise 4-axis milling unit for dental clinics
- Designed for glass ceramics and other materials
- Automated tool condition control for high precision and quality

Chairside scanning easier than ever before.

Dental unit integrated intraoral scanner

Planmeca PlanScan® is our high-performance dental unit integrated intraoral scanner. Due to an integrated full HD tablet device, you have constant and optimal chairside access to real-time scanning data without the need to stop scanning or change your working position.

Unique foot controlled scanning

What really sets Planmeca PlanScan apart from other scanners is that you can conveniently control its use from the dental unit's foot control, leaving your hands free for scanning and patient treatment at all times. You can also use the foot control to easily toggle between prep, opposing and buccal views, so that you can focus on scanning without interruptions. Hands-free operation guarantees impeccable infection control.

Easy and flexible use

The plug-and-play scanner can also be easily shared between different dental units and different rooms. The flexible licensing system allows simultaneous use on multiple workstations during different CAD/CAM workflow steps.



Planmeca PlanCAD® Easy – step by step

Our open CAD software suite designed especially for dentists is the perfect tool for sophisticated 3D design and planning at a dental clinic. The software is easy and fast to use and ideal for designing prosthetic works from a single crown to bridges.

Immediate access to scans and designs from any Planmeca Romexis® workstation.

- Easy design of inlays, onlays, veneers, crowns and bridges
- Fully automated design from an anatomic tooth library
 - Automatic adaptation to contact strength specified by user
 - Cusps, marginal ridge and other anatomical shapes are taken to the design from the adjacent teeth
 - Minimum material thickness is applied to the design for long-lasting results
- Design up to 16 teeth in the same session
- Superimposed camera view for easy marking of margins of the design
- User-friendly tools to modify the shape and look of the design
- Automatic saving for flexible usage
- Only five steps from work description to milling
- Part of the **Planmeca Romexis®** software with flexible licensing

Only five steps from work description to milling



Work description

Step 1



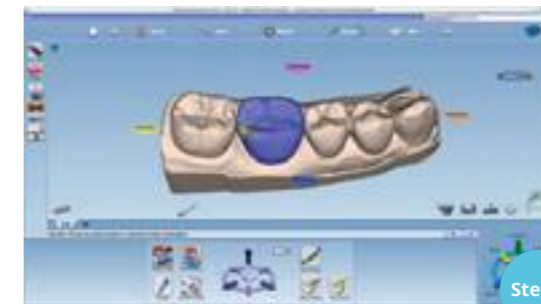
Scan

Step 2



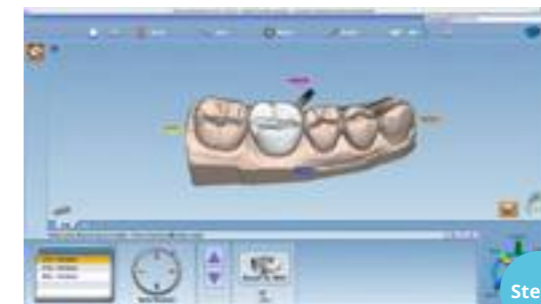
Margin line

Step 3



Design

Step 4



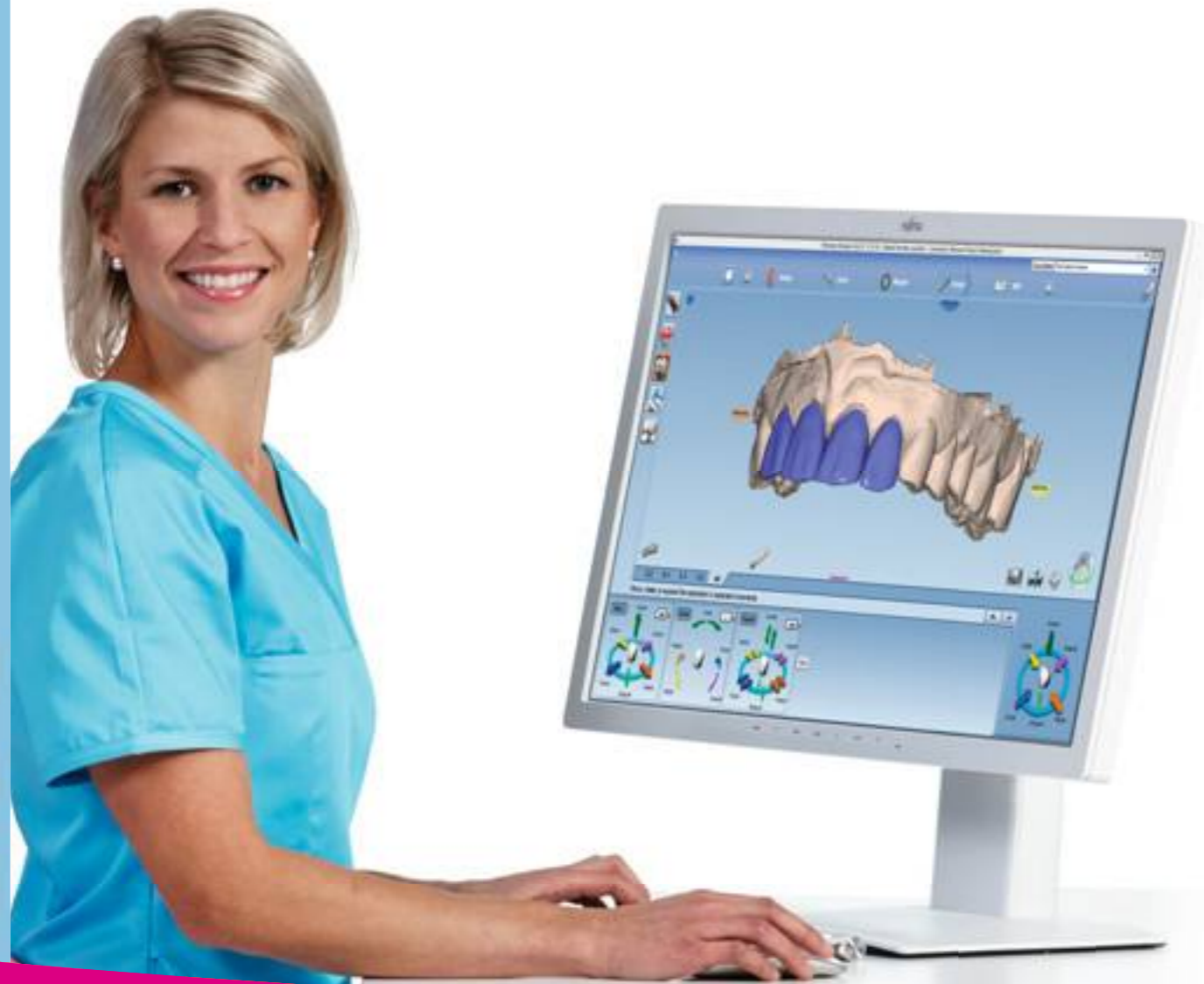
Manufacturing – send to Planmeca PlanMill® 40

Step 5

Scan.

Design.

Manufacture.



CAD/CAM for dental labs

The **Planmeca CAD/CAM™ Lab** workflow starts from **Planmeca PlanCAD® Premium**, which connects all workflow steps under one software. Open import options and a maintenance free desktop scanner, sophisticated design software for a full range of indications and an accurate 5-axis milling machine make the system a perfect choice for any laboratory.

- Patients
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Import Planmeca PlanScan® data

Intraoral scan data including ICE view, order description and marginline.

STL file import

STL files from any open system.

Quick launch from Planmeca Romexis®

Get the most out of your CAD/CAM workflow and wider your indication range by designing in Planmeca PlanCAD® Premium.



Scan.



Planmeca PlanScan® Lab

Design.



Planmeca PlanCAD® Premium

Manufacture.



Planmeca PlanMill® 50

Planmeca PlanScan® Lab

- Fast and accurate desktop scanner for scanning gypsum models and impressions
- Blue LED technology
- Full workflow integration to **Planmeca PlanCAD® Premium**

Planmeca PlanCAD® Premium

- Open lab software for prosthetic restorations
- **Planmeca PlanScan®** intraoral scan import
- A full range of indications
- Open software interface to customise the user workflow
- Quick launch option from **Planmeca Romexis®**

Planmeca PlanMill® 50

- 5-axis milling unit for dental laboratories
- For accurate and reliable results
- Wet and dry milling
- Open STL import
- Handles blocks and discs

PlanEasyMill™

- Fast and high-quality milling services for dental laboratories
- Wide material selection, perfectly fitting results, fast deliveries

Planmeca PlanCAD® Premium – step by step

Our open **Planmeca PlanCAD® Premium** software for dental laboratories is the ideal tool for designing high quality restorations for a full range of indications.

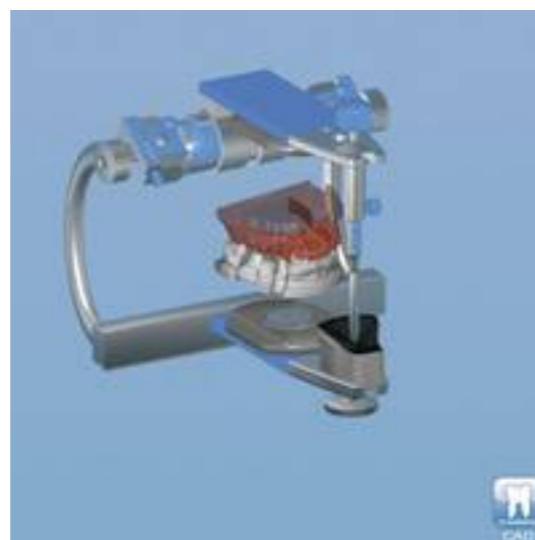
Import scans from Planmeca PlanScan® or Planmeca PlanScan® Lab

Highlights

- **Planmeca PlanScan®** import, reads ICEVIEW, margin line data and order description
- Quick launch option from **Planmeca Romexis®**
- User friendly tools for design modification, including virtual articulator
- The software can be tailored to different user needs: the user can work in wizard or customised workflow
- Open implant libraries for custom abutment design
- Open STL import and export

A full range of indications

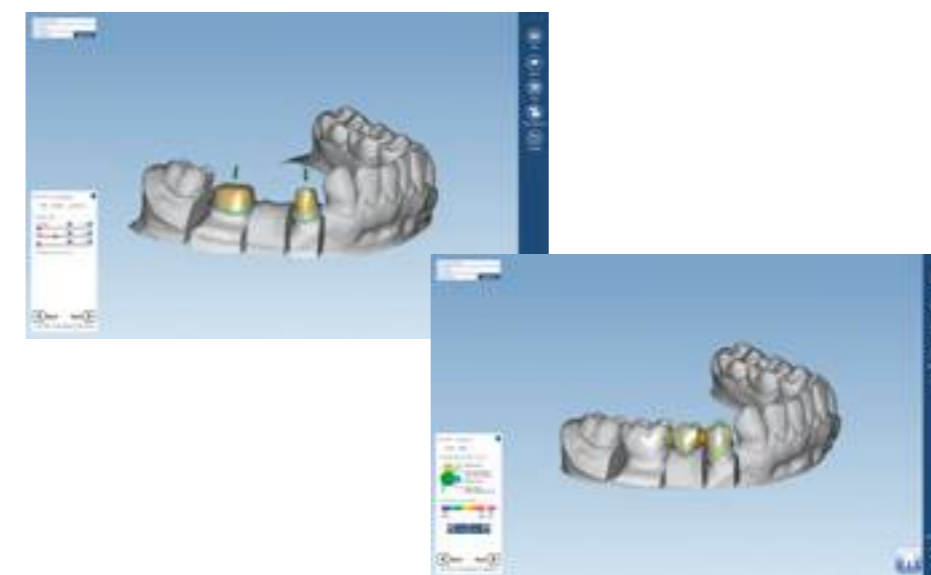
- Crown & bridge design
 - copings, anatomical copings, monolithic restorations, frameworks
- Inlays, onlays and veneers
- Waxup-design
- Telescopic crowns
- Custom abutments
 - screw-retained and cemented
- Implant bar and bridge design
- 3D printed models
- Bite splints



Open and easy workflow for flexible design and manufacturing



Import scan from Planmeca PlanScan® or Planmeca PlanScan® Lab



Design



Send to Planmeca PlanMill® 50 for manufacturing



- Patients
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Industry-leading 2D X-ray units

Introducing our world-class range of 2D X-ray units – offering the most advanced and versatile devices and software to meet all your 2D extraoral and intraoral imaging needs.

- Patients
- Files
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Planmeca ProX™



Planmeca ProScanner™



Planmeca ProOne®



Planmeca ProSensor® HD

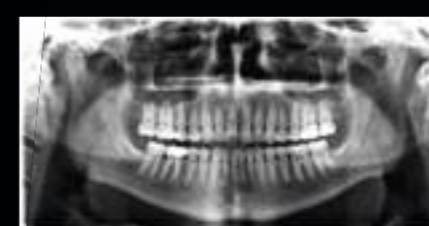
True extraoral bitewing images



Planmeca ProMax® 2D



True Bitewing program, adult



Standard panoramic image of the same patient as the bitewing above

Intelligent 2D modules

Our advanced **Planmeca Romexis®** software suite offers the most versatile tools for 2D imaging. This flexible dental imaging suite adapts to your needs and will grow into the third dimension together with your practice.



Integrated document management

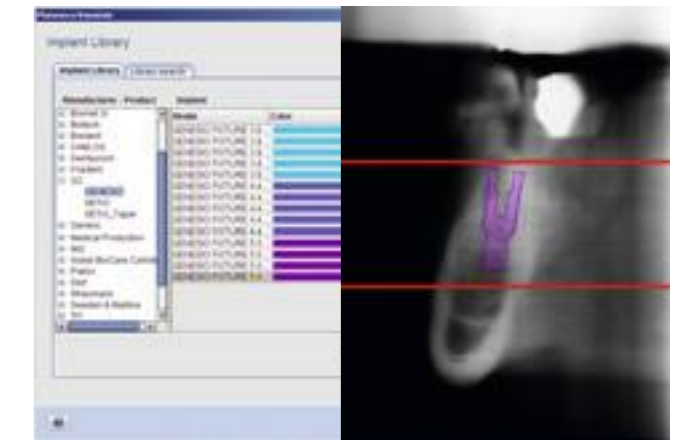
The printing module with multi-page support is ideal for creating professional, high-quality printouts and radiology reports to be sent to referring dentists.

Documents of any type can be attached to patient files, providing a convenient storage for cephalometric tracing reports, referral letters and other information.



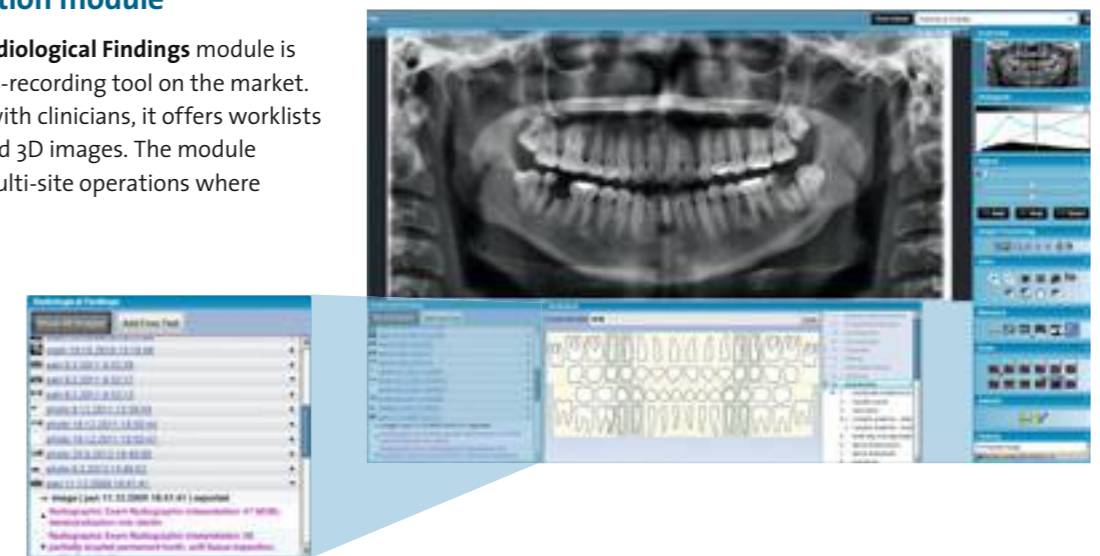
Advanced implant planning

Planmeca Romexis® provides powerful tools for implant planning, including realistic implant models from over 40 manufacturers.



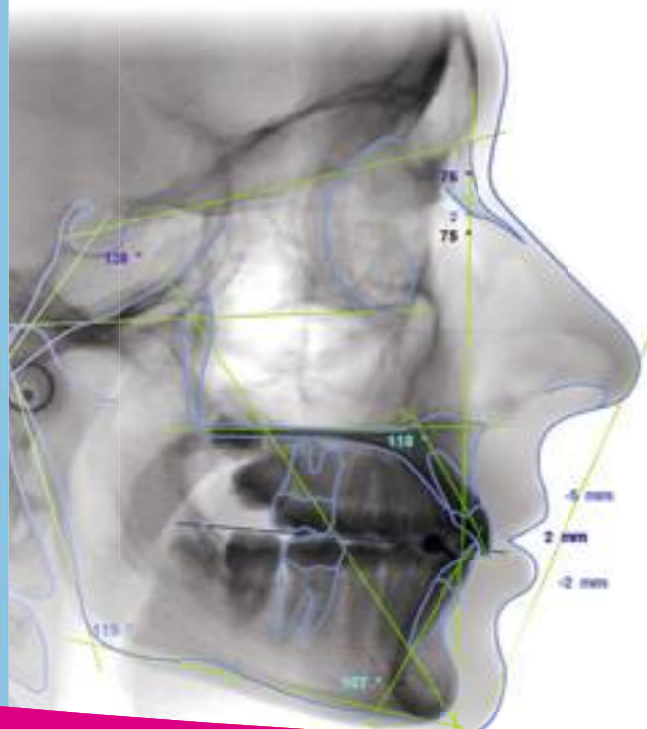
Radiology interpretation module

The **Planmeca Romexis® Radiological Findings** module is the most advanced findings-recording tool on the market. Developed in cooperation with clinicians, it offers worklists and easy reporting of 2D and 3D images. The module is especially designed for multi-site operations where sharing of work is essential.



Planmeca Romexis® Cephalometric Analysis module

- Create cephalometric analyses and superimpositions in minutes
- Fully customisable analyses, norms and reports
- Microsoft Excel export and import function
- Compatible with the Windows operating system



- Patients
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