

All in one software



Better care through innovation

An introduction from our President

- Planmeca Group 4
 - A truly global player4
- Planmeca Romexis® • Software 6
 - One software for all your needs 6
 - Unique features and performance 8
 - Unveil the perfect smile10
 - Your mobile world of imaging12
 - Share images and expertise online..... 13
- Planmeca Romexis® • 3D imaging.....14
 - Planmeca’s CBCT family – fantastic five14
 - Advanced imaging technology16
 - Unique 3D combinations – an industry first.....18
 - Unique 3D combinations for advanced dentistry.....20
 - Pioneering low dose 3D imaging22
 - The most advanced 3D modules 24
 - The complete implant workflow 26
 - Planmeca Romexis® 3D Ortho Studio
– modern 3D tools for orthodontics..... 28
 - Patient specific implants – you imagine it, we make it30
 - Real-time jaw movement – in 3D32
- Planmeca Romexis® • CAD/CAM solutions34
 - The smoothest workflow in CAD/CAM dentistry35
 - Planmeca FIT™ – CAD/CAM for dental clinics 36
 - Planmeca PlanScan® – seamless connectivity
with dental labs..... 42
- Planmeca Romexis® • Digital dental units 44
 - Planmeca dental units – your best investment.....44
 - The power of a digital dental unit46
 - Enjoy your chairside work48
- Planmeca Romexis® • Information and monitoring 50
 - Revolutionary connectivity for your Planmeca devices..... 50
- Planmeca Romexis® • 2D imaging52
 - Industry-leading 2D X-ray units52
 - Intelligent 2D modules..... 54



“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.

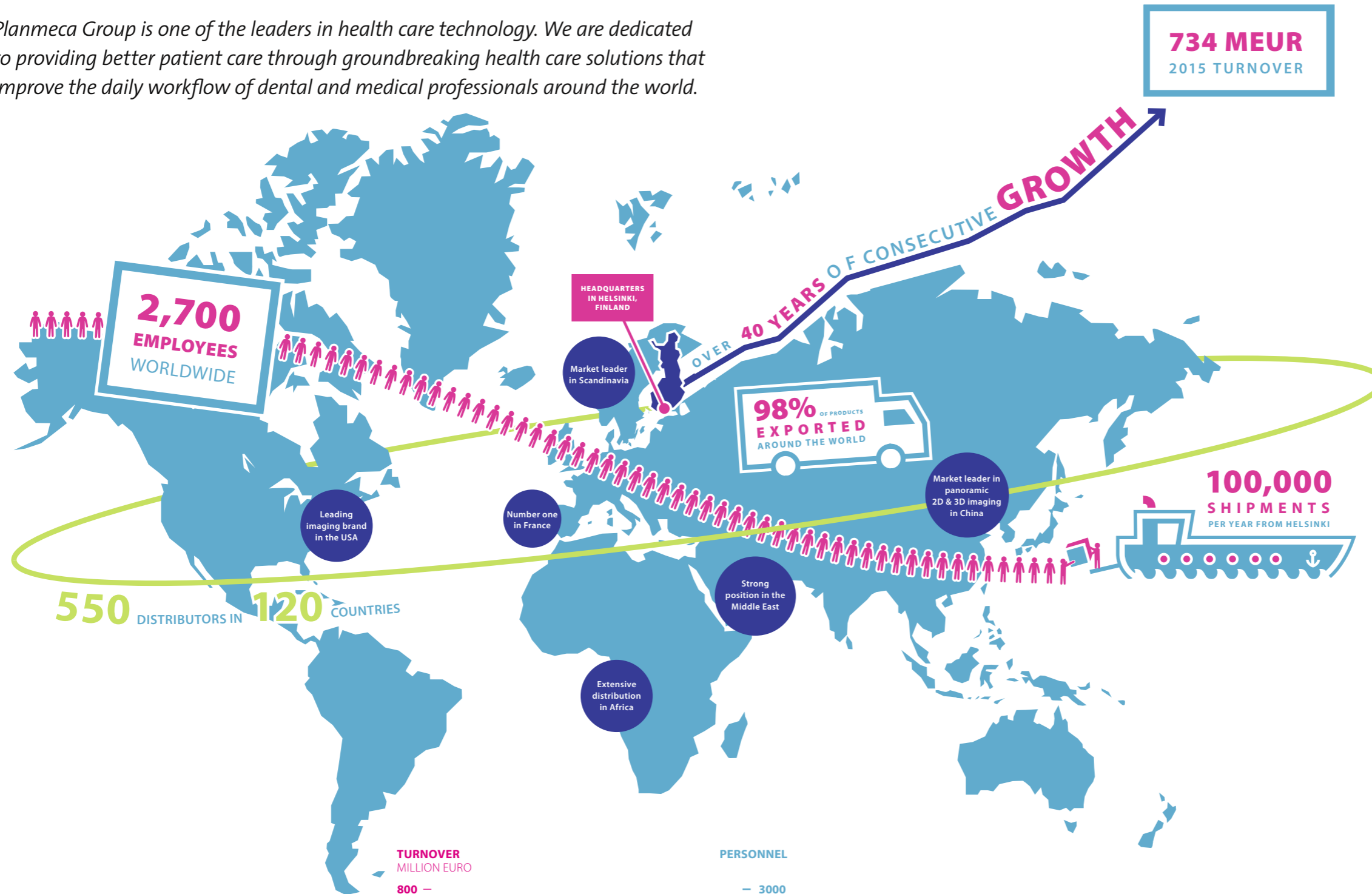
I’m extremely proud of our product innovations, and for over 40 years we’ve worked closely with dental professionals to set new standards in our field. What makes us a bit different is that all core product development and manufacturing takes place in Finland – ensuring exceptional quality and unmatched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

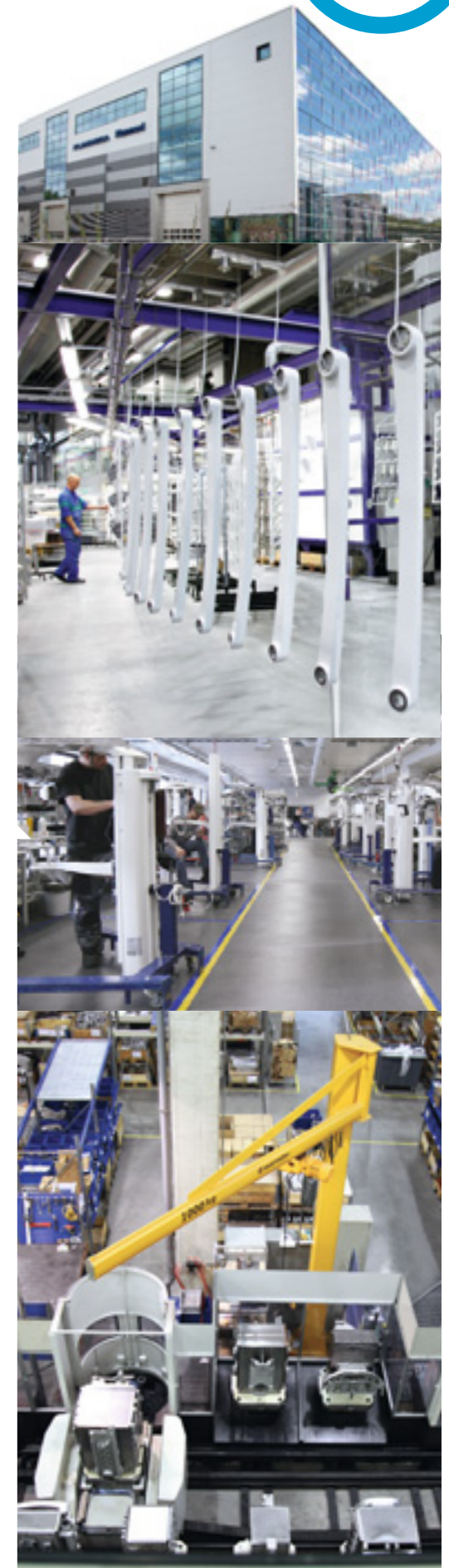
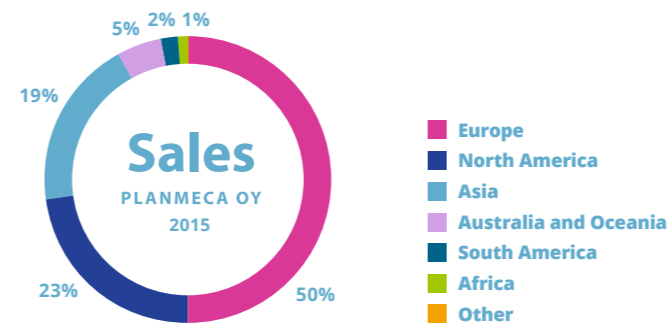
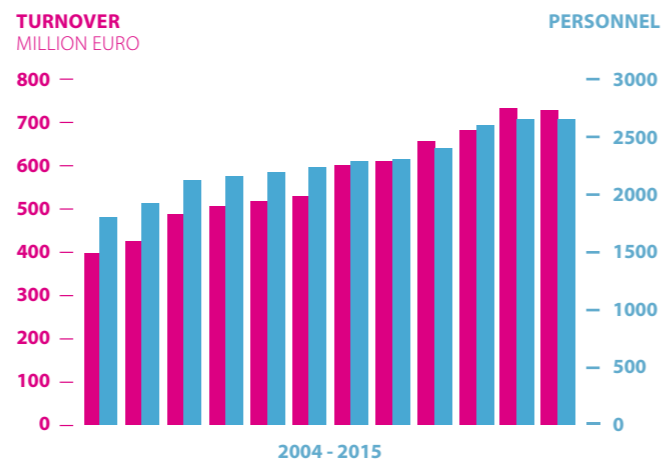
A truly global player

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 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.



- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin

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

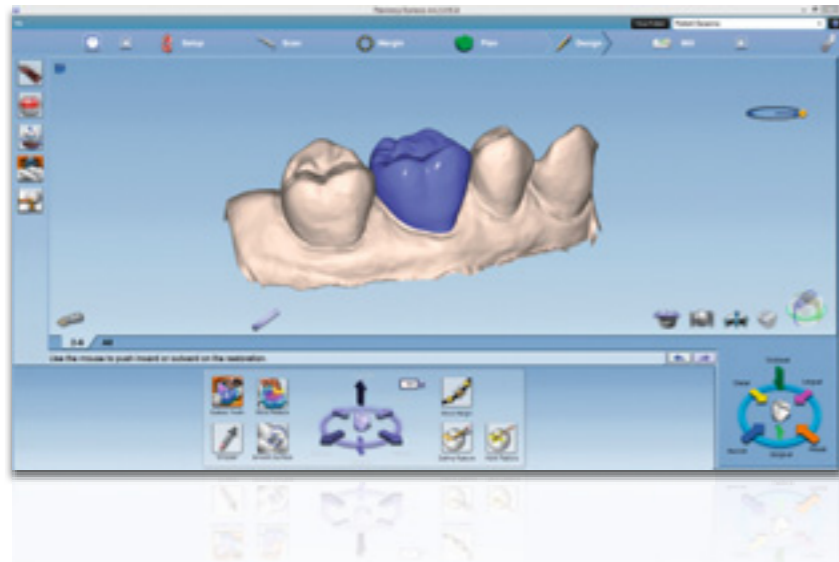
- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report



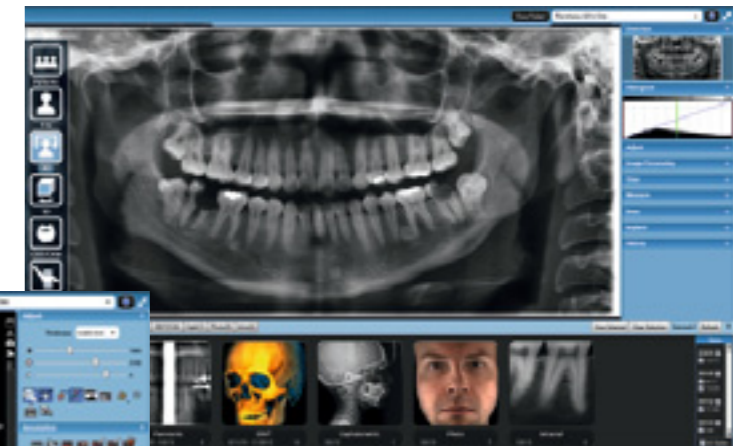
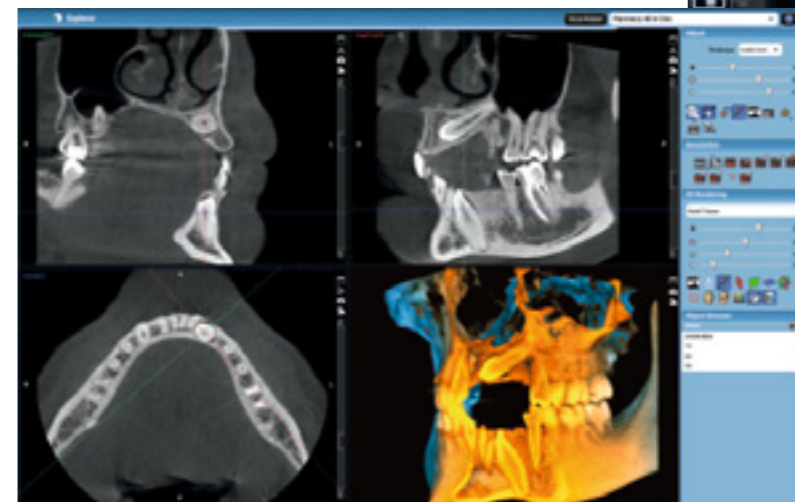
- Login
- Admin

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
planmeca.com/Viewer
 Full-featured viewer application
 No installation required
 Mac OS and Windows support
 Distribute to specialists or patients



- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin



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.

“My patients have also been very pleased to be able to genuinely be part of the process from the start. When the expectations and plans have been carefully reviewed to start with, the end result will more likely meet the expectations of the patient.”

— Aki Lindén (CDT)



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 which is a comprehensive 2D, 3D and CAD/CAM software. A standalone version of the software is also available for download from our **Planmeca Online™** store – with a free trial offered. The software is available for Mac OS and Windows in 14 languages.

Join our free Smile Design webinars
planmeca.com/smiledesign/webinars

Start your free trial today!
planmeca.com/online

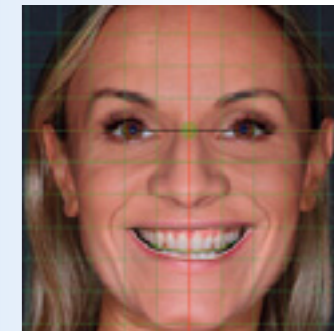
Become a smile designer in 2 minutes
planmeca.com/LearnToSmileDesign

Give your patients a reason to smile!

Design a digital mockup in 3 minutes on the first visit

1 Plan and analyse

- Adjustable vertical and horizontal orientation lines
- Draw e.g. the incisal, papillary and smile lines
- Accurate measurements after image calibration



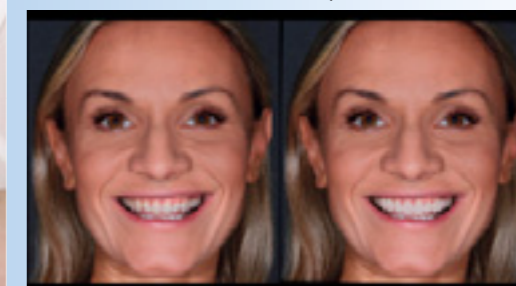
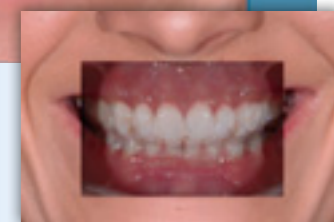
2 Design and simulate

- Quickly scalable tooth silhouettes
 - Versatile editing possibilities – from one tooth to all teeth
 - Tooth shape library
 - Possibility to add own tooth shapes to library
 - Automatic width and height measurements, as well as ratio calculation
- Tooth mirroring tool for symmetry
- Tools for gingival area modification, crown lengthening and tooth straightening
- Possibility to work with retractor and smile images simultaneously for gumline design
- Tooth shade selection (VITA Classical shade guide and some bleached shades) or selecting color from existing teeth
- Photorealistic simulation



3 Present and communicate

- Show before and after comparison immediately on-screen
- Utilise print comparisons
- Send designs to iPhone or email
- Create automatic PDF reports

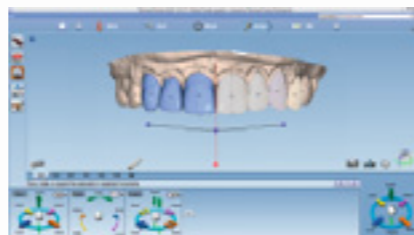


Clear communication

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.



- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report

- Login
- Admin

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.

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.

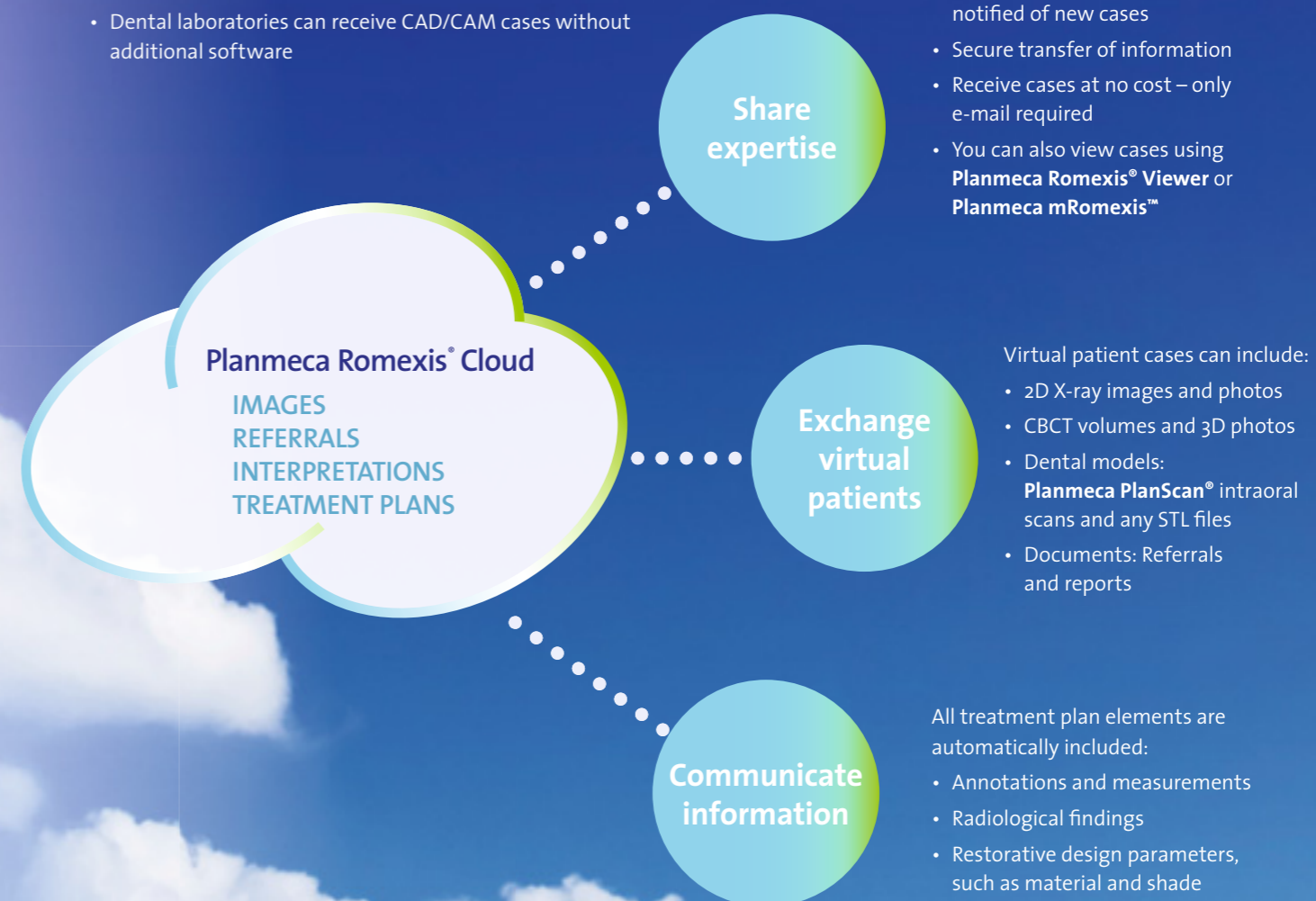


Share images and expertise online

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™**



- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin

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
 Ø140 x 170 mm
 Ø140 x 100 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
 Ø130 x 100 mm
 Ø130 x 90 mm
 Ø130 x 55 mm
 Ø100 x 130 mm
 Ø100 x 90 mm
 Ø100 x 55 mm
 Ø50 x 55 mm

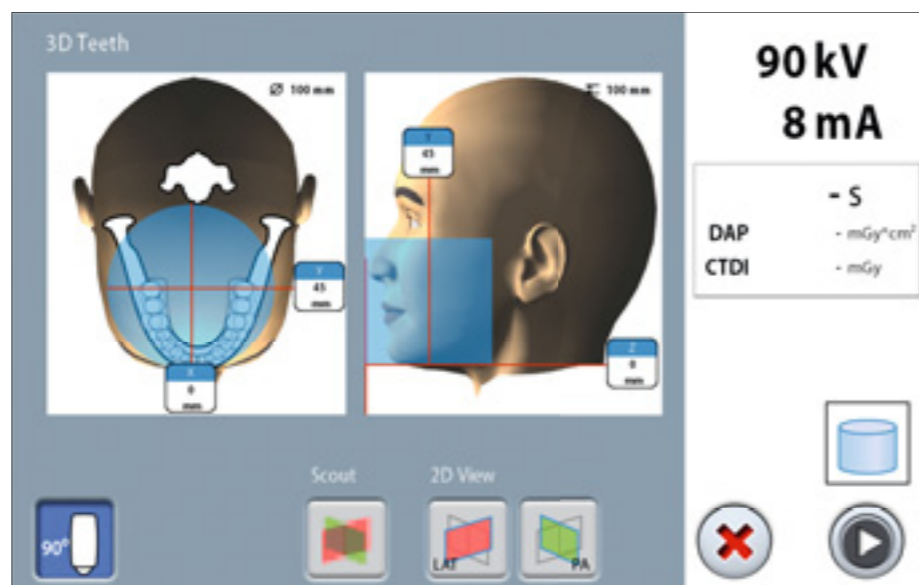
True all-in-one units for all your imaging needs.

- Patients
- File
- 3D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report

- Login
- Admin

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

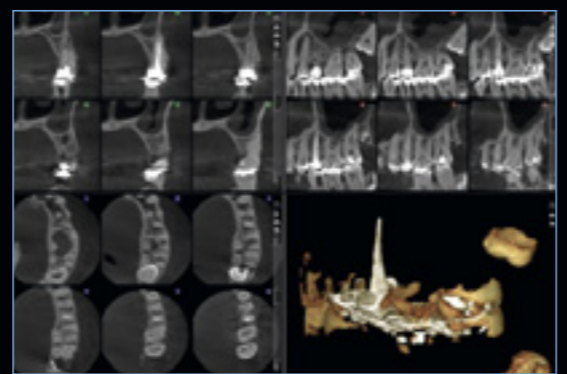
120 kV tube voltage enables optimised quality for challenging imaging cases – reducing artefacts and ensuring higher contrast images.

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

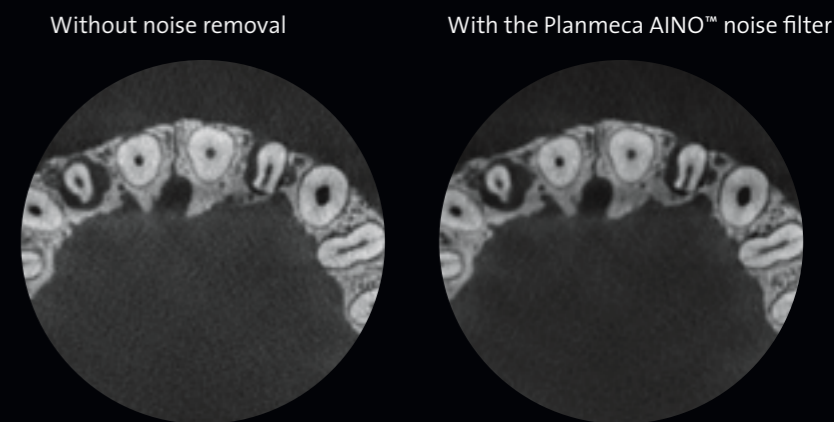
New endodontic mode

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



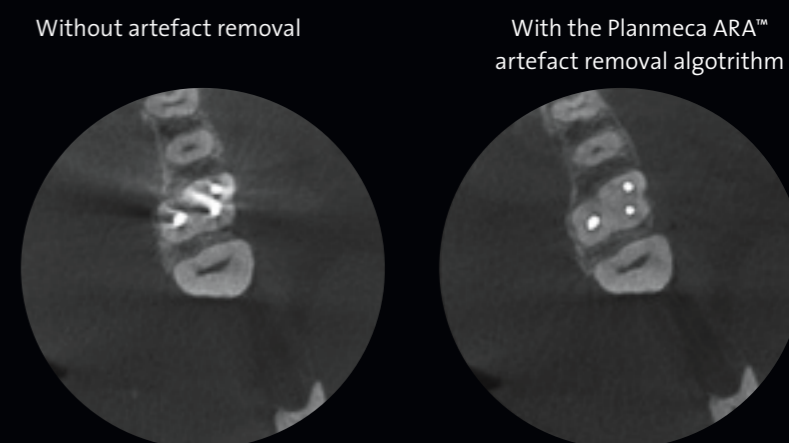
Noise-free images with Planmeca AINO™

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.



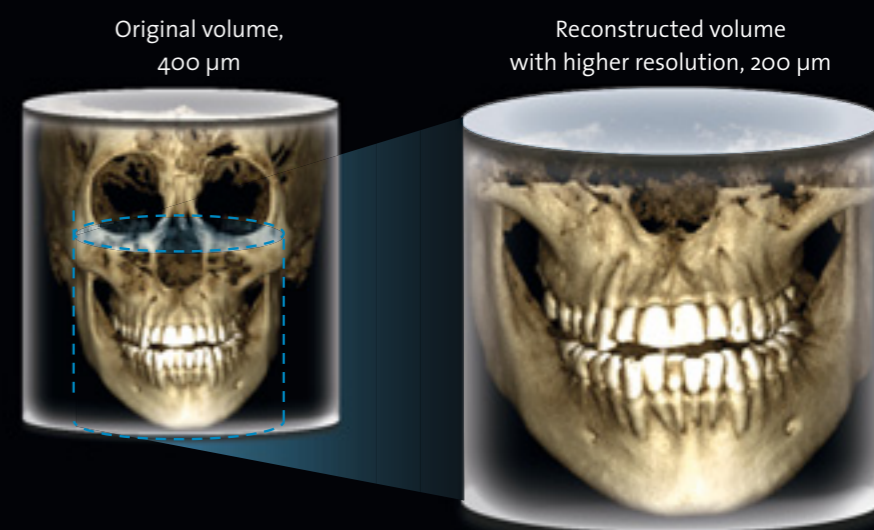
Planmeca ARA™ – enjoy your 3D images without artefacts

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.



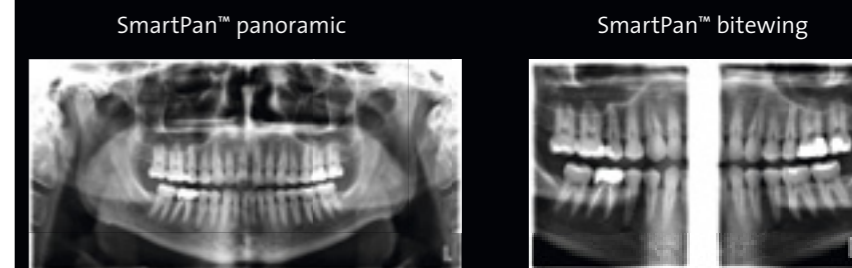
ROI for higher resolution images

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.



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



- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report

- Login
- Admin

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.*



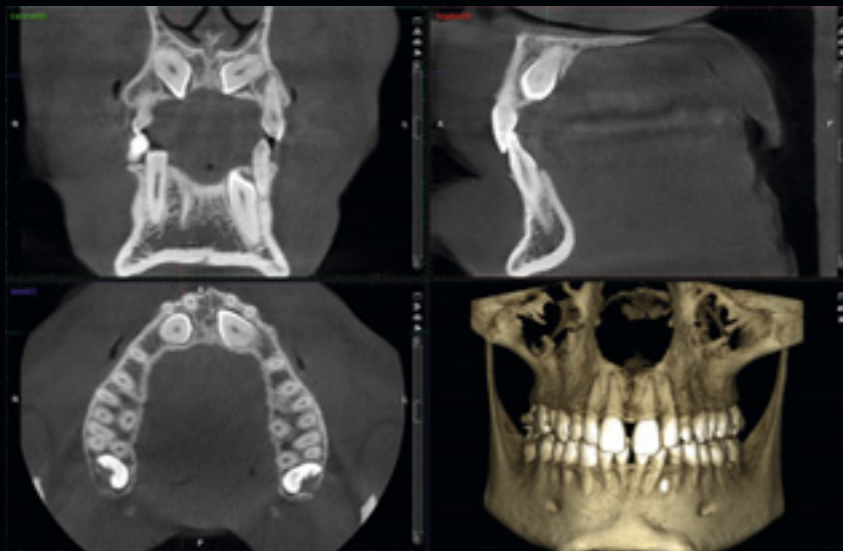
- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report



- Login
- Admin

Unique 3D combinations for advanced dentistry

See more than ever before



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

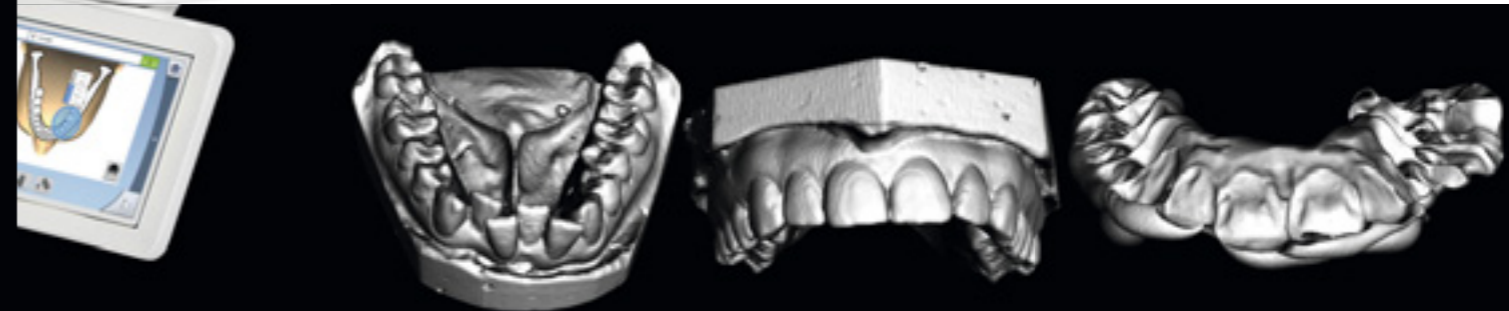
Planmeca ProFace® is an exclusive 3D face photo system available for all of our 3D X-ray units. This pioneering integrated system produces a realistic 3D face photo and CBCT image in a single imaging session. You can also take a separate 3D face photo without exposing your patient to any radiation.



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.

- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report

- Login
- Admin

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% without a statistical reduction in image quality*.

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

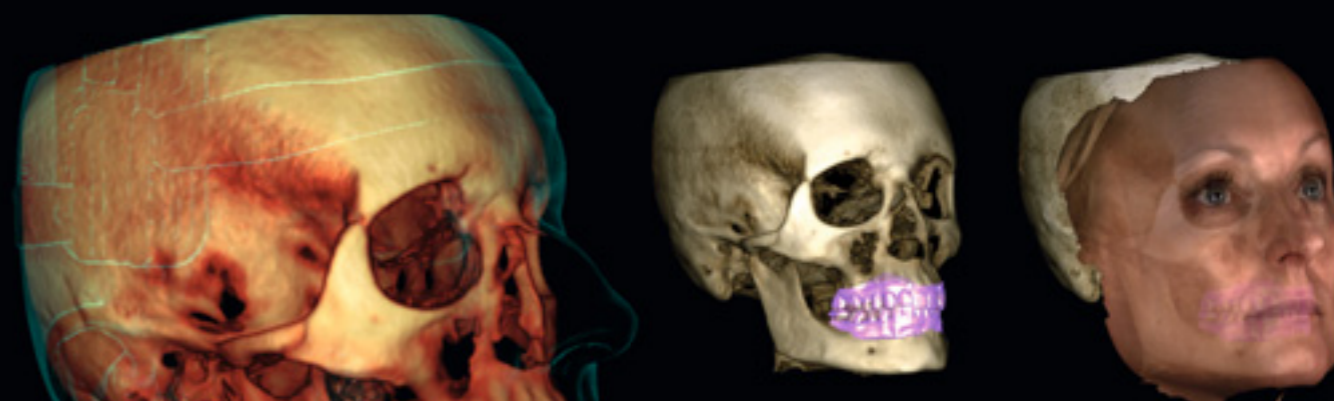
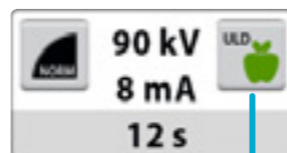
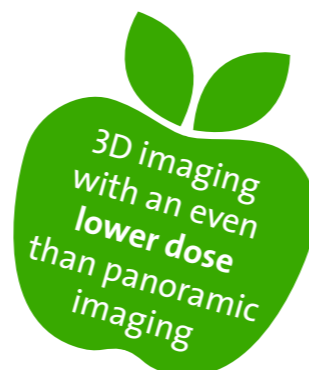
* Study of Orthodontic Diagnostic FOVs Using Low Dose CBCT protocol (Ludlow, John Barrett and Koivisto, Juha).

planmeca.com/ULD-poster

Ideal for many clinical cases

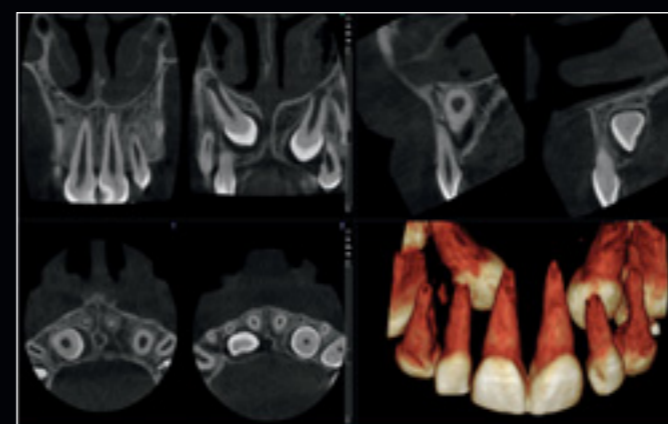
The Planmeca Ultra Low Dose protocol has proven to be ideal for many clinical cases.

- 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



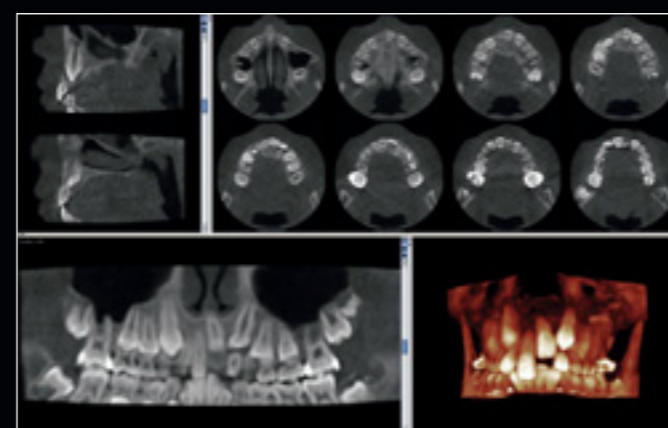
Planmeca ProMax® 3D Mid

- 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

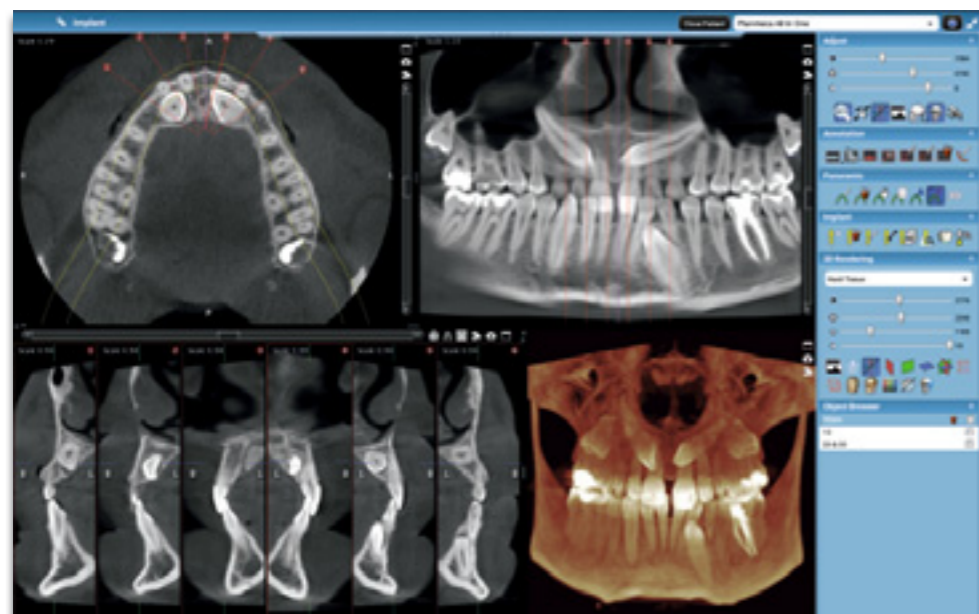
Prof. Dr. Bumann states that he has not received any financial reward or other benefit for this interview.

- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report

- Login
- Admin

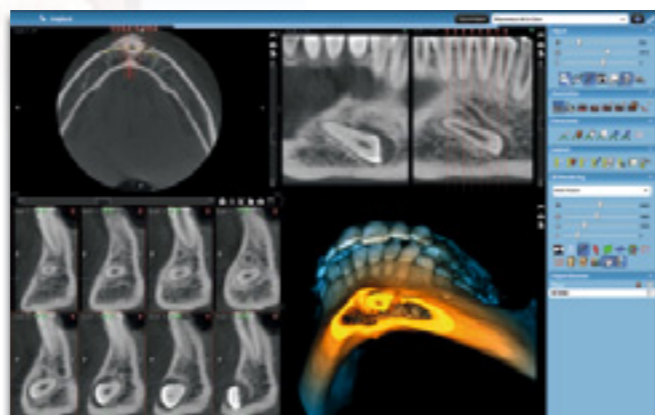
The most advanced 3D modules

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.

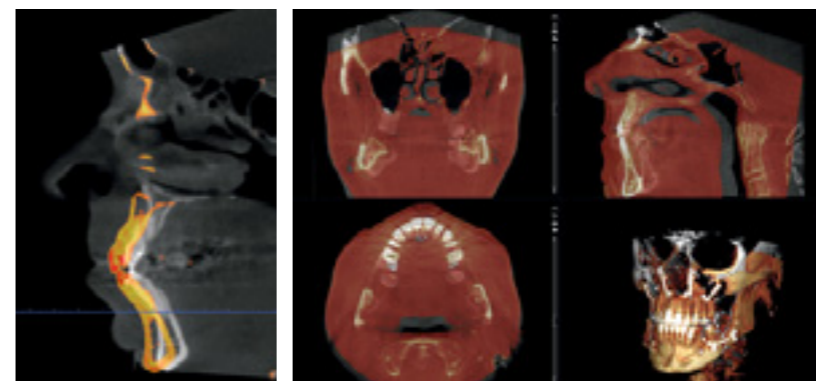


Convenient 3D diagnosis

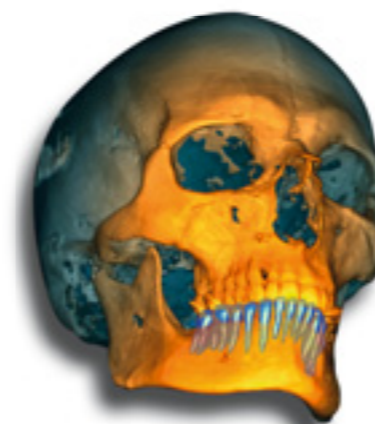
The Planmeca Romexis 3D rendering view gives an immediate overview of the anatomy and serves as an excellent patient education tool. It allows images to be viewed instantly from different projections or converted into panoramic images and cross-sectional slices. Measuring and annotation tools – such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

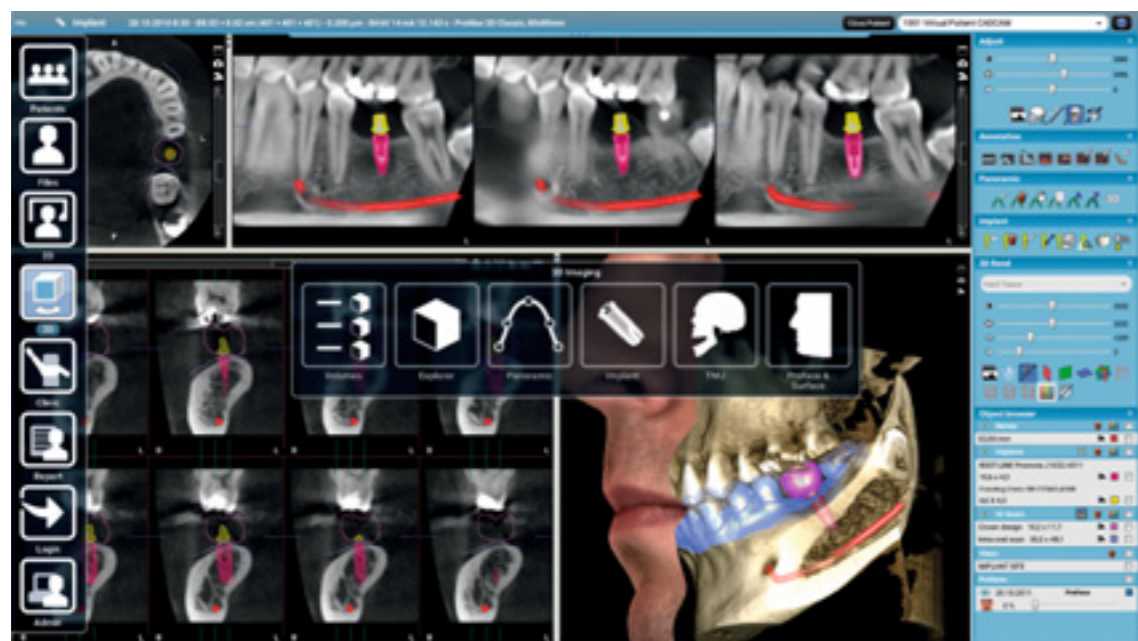
Planmeca Romexis® 3D imaging highlights

- 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



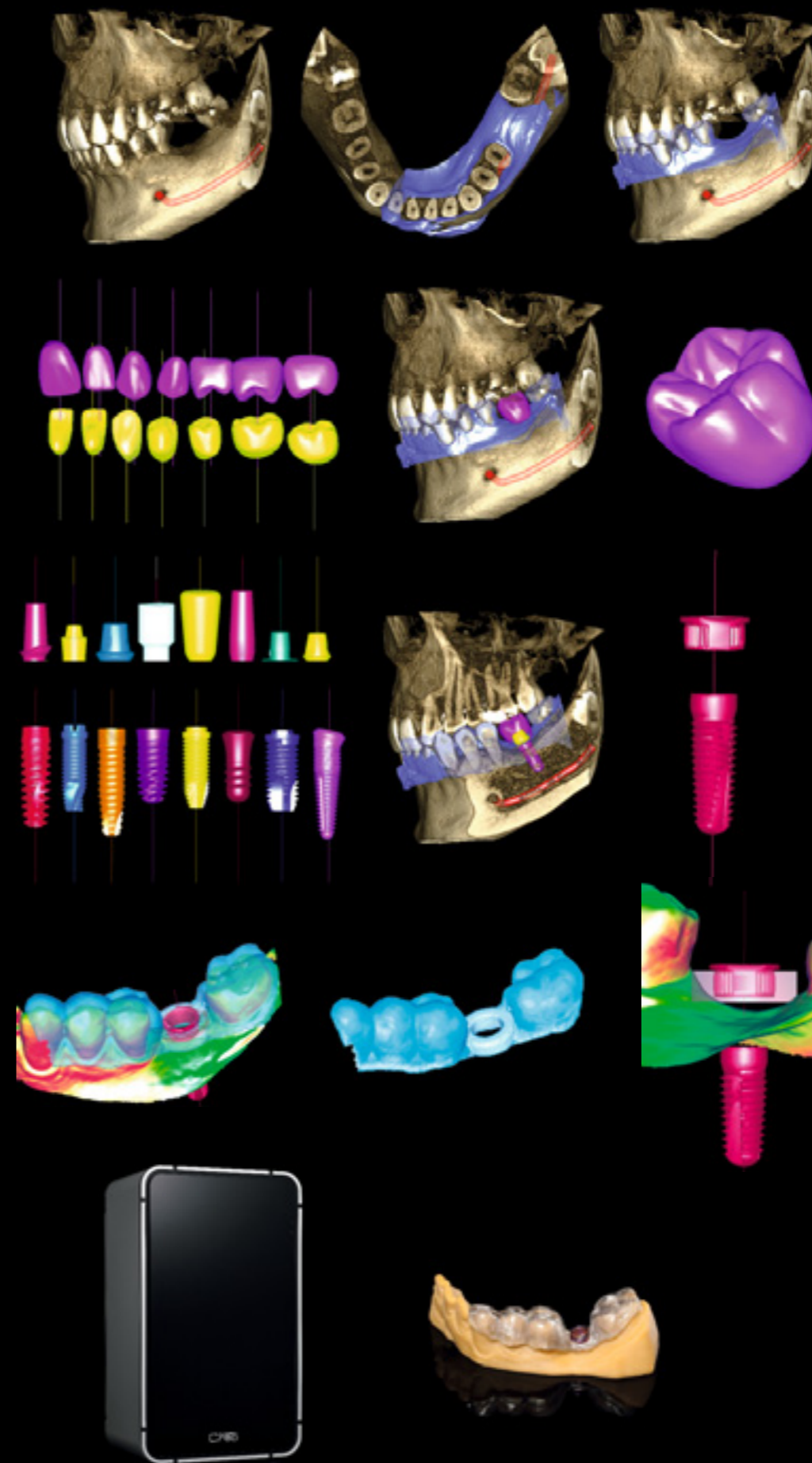
The complete implant workflow

Our **Planmeca Romexis® 3D Implant Planning** module offers all the necessary tools for fully digital implantology – from planning to guided surgery. The software’s implant library includes realistic implant models and abutments, as well as collections of sleeves for guided surgery. After completing the implant plan, a surgical guide can be immediately designed in the same **Planmeca Romexis®** software with just a few clicks.



Realistic implant models from over 60 manufacturers

The **Planmeca Romexis®** software platform provides the perfect environment for top-down implant planning. By superimposing a crown and dental model onto CBCT data, users can create a complete virtual setup for optimally positioning the implant – taking prosthodontic and surgical perspectives into account.



Mark the nerve on the CBCT image

Superimpose the 3D model scan onto 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

Select the preferred implant (abutment) and sleeve from the extensive Planmeca Romexis® library and find the optimal position for it from a prosthetic and surgical perspective

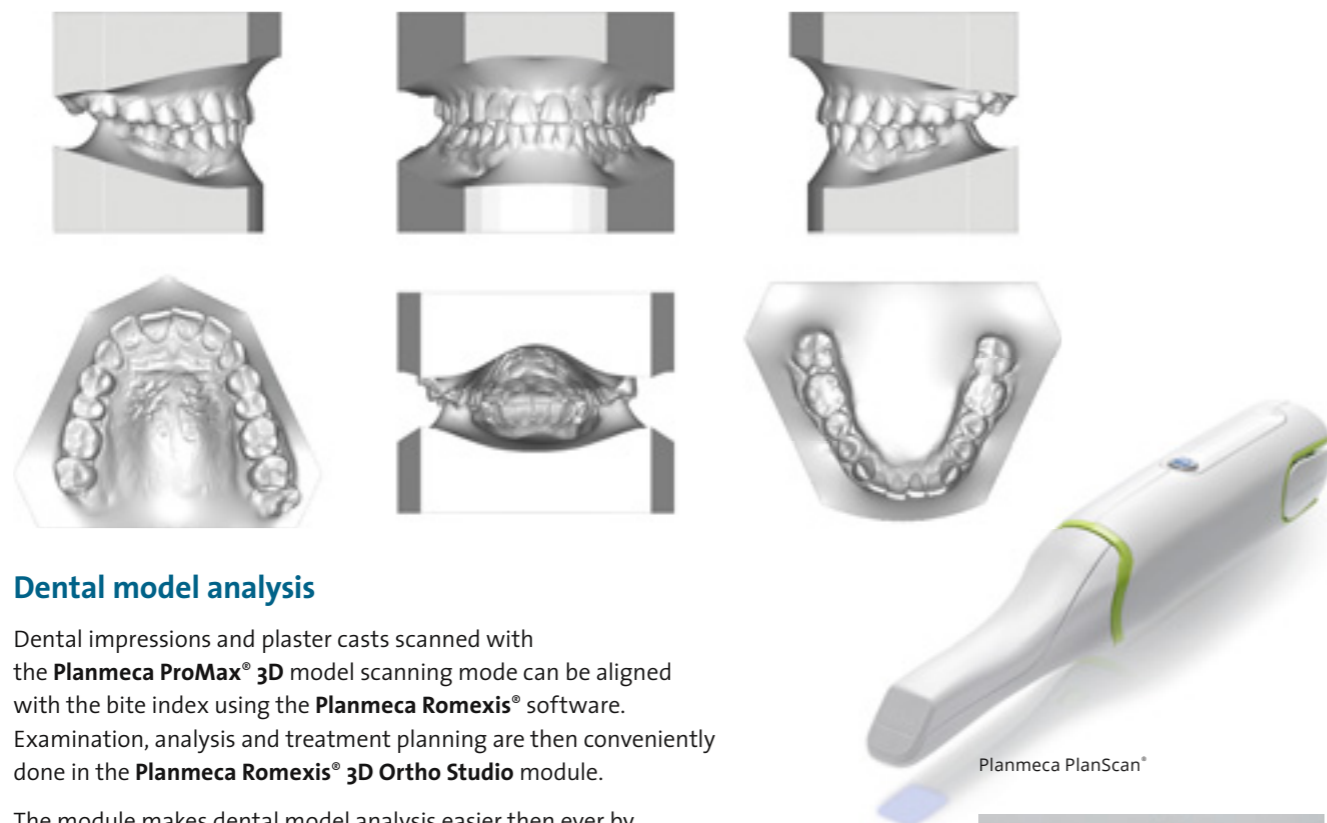
Design the surgical implant guide with just a few clicks in Planmeca Romexis® – the software will create an open STL file of the design

Print the surgical guide with Planmeca Creo™ or any other suitable 3D printer

- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin

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

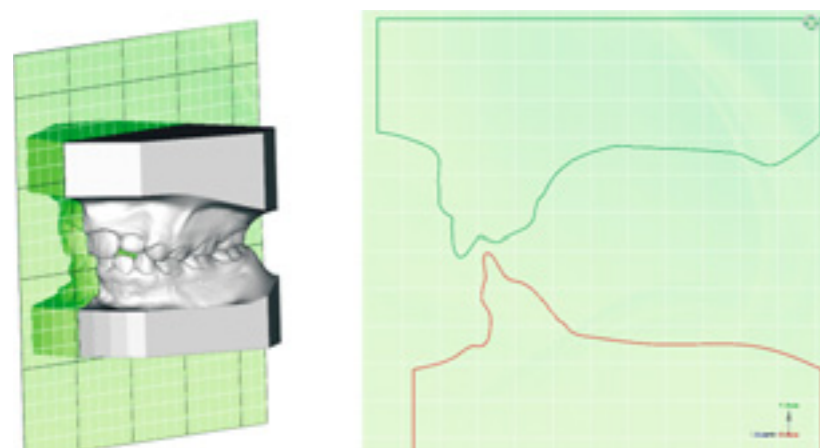
*Planmeca Romexis® 3D Ortho Studio provides innovative tools for orthodontists and dental laboratories. Our advanced module is designed for the examination and analysis of digital dental models scanned with **Planmeca ProMax® 3D** X-ray units or the **Planmeca PlanScan®** intraoral scanner – and also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

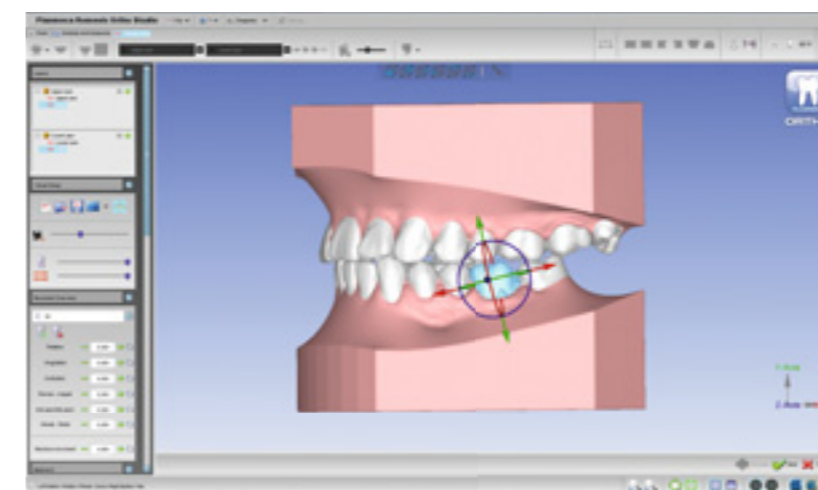


Impression scan in Planmeca ProMax® 3D

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. The Braces imaging protocol is optimised for use with **suressmile**.

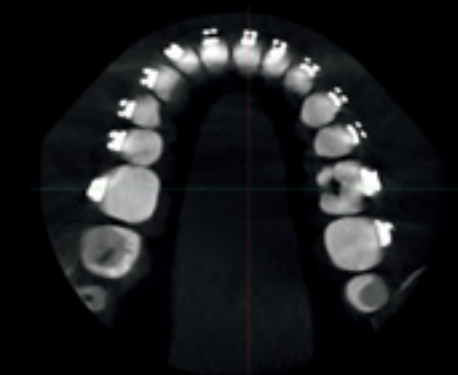
suressmile®
to be sure.

Suressmile® certification

Planmeca ProMax 3D units have been certified for use with **suressmile** by OraMetrix.

The comprehensive treatment management system **suressmile** is designed to enable orthodontists to visualise and simulate multiple diagnostic set-ups and design customised archwires for every patient. The accuracy of the patient scans plays a critical role in maximising the effectiveness of the system.

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



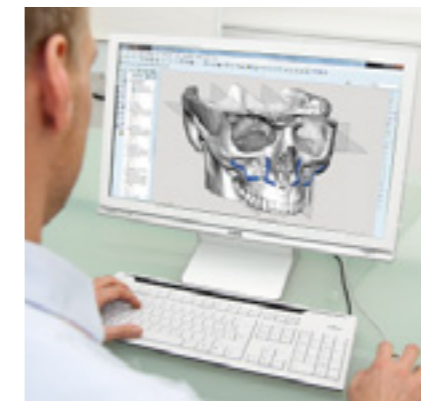
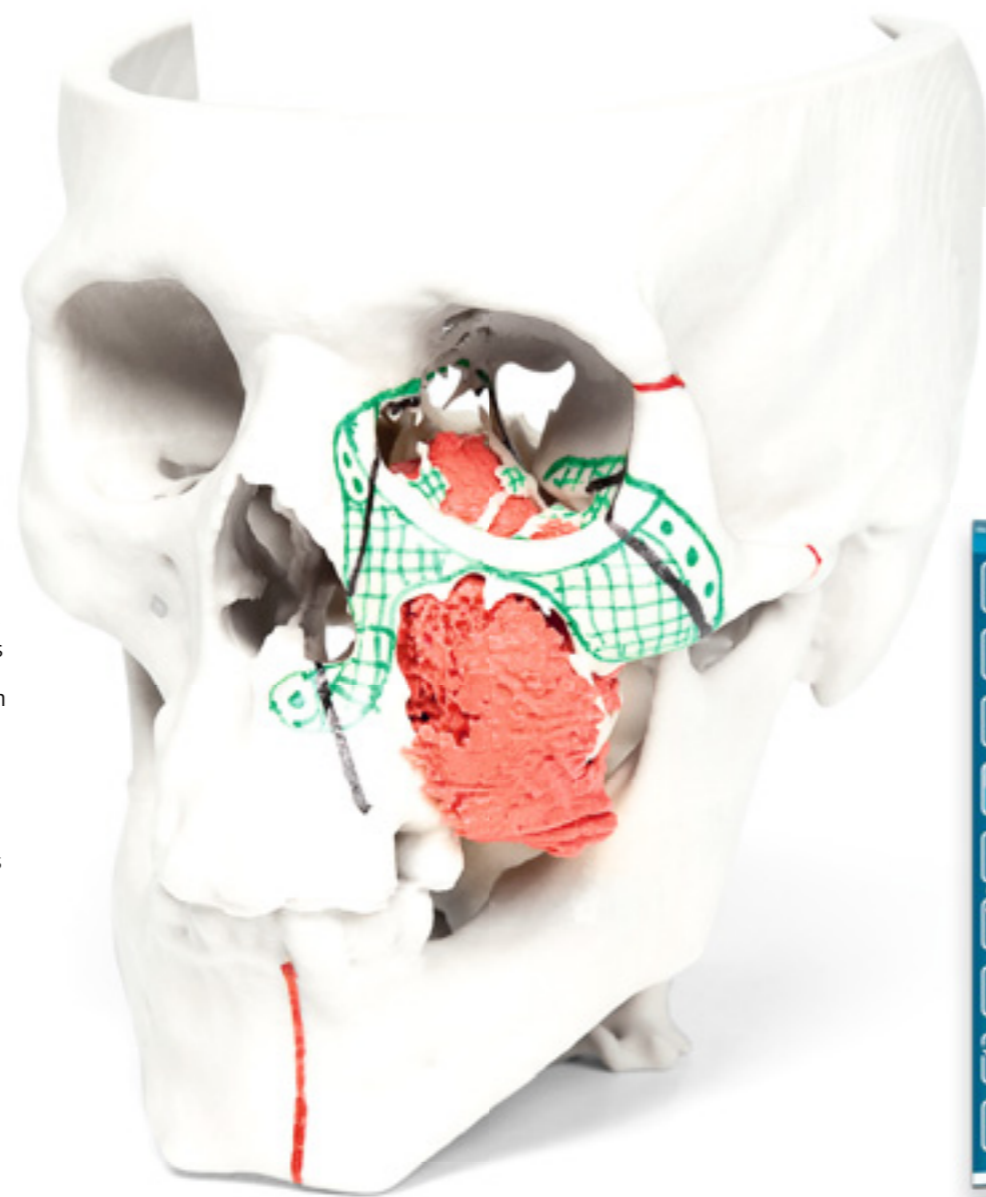
- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report

- Login
- Admin

Patient specific implants – you imagine it, we make it

Planmeca ProModel™ offers patient-specific implants and physical models for maxillofacial surgery – all individually designed for the best possible results.

The implants are designed and manufactured to match any form, ensuring an exact fit to the patient's anatomy. The service also includes physical 3D skull models and surgical guides for assisting in both pre-planning and the surgery itself.



The 3D design is created in an online meeting between surgeon and designer.



Skull model for surgical pre-planning and ready-to-use patient specific implant.

Planmeca ProModel™ service concept

- A unique service for creating patient specific implants, surgical guides and skull models from CBCT/CT images
- 3D implants are designed in an online session between the surgeon and a Planmeca designer
- Quick and easy – from order to delivery in just a few business days
- Significantly lowers costs and reduces operation times by up to 4 hours
- Faster and more precise operations leading to better aesthetic results



Faster operations, precise fit and better aesthetic results



Real-time jaw movement – in 3D

Planmeca 4D™ Jaw Motion is the only true CBCT integrated solution for tracking, recording, visualising and analysing jaw movement in 3D. It offers incomparable visualisation and measurement data of mandibular 3D movements in real-time – creating a fourth dimension in diagnostics.

Key features:

- The only CBCT integrated jaw tracking solution
- Track, visualise and record real-time jaw movement in 3D
- Visualise movements in the **Planmeca Romexis®** software without delay
- Record movements for later use and analysis
- Measure and visualise the movement path of one or more points of interest in a 3D image
- Export movement and measurement information to 3rd party software in an XML or CSV format for analyses and treatment planning
- Align digital dental models with a CBCT image for occlusion analysis



Planmeca 4D™ Jaw Motion solution will be available soon.

Key components of Planmeca 4D™ Jaw Motion

- CBCT image of a patient, for example a **Planmeca Ultra Low Dose™** image
- **Planmeca ProMax® 3D Mid** or **Planmeca ProMax® 3D Max** X-ray unit equipped with the **Planmeca ProFace®** face photo option
- **Planmeca Romexis® 4D Jaw Motion** software module
- Special glasses and a lower jaw tracking device with light-weight reflective spheres

Applications include

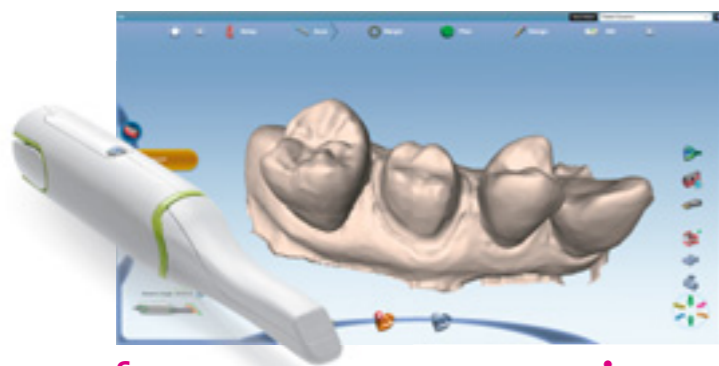
- Temporomandibular disorder (TMD) diagnostics
- Mandibular movement analysis
- Articulator programming
- Condyle-Fossa relationship during jaw movement
- Preoperative planning
- Postoperative treatment verification



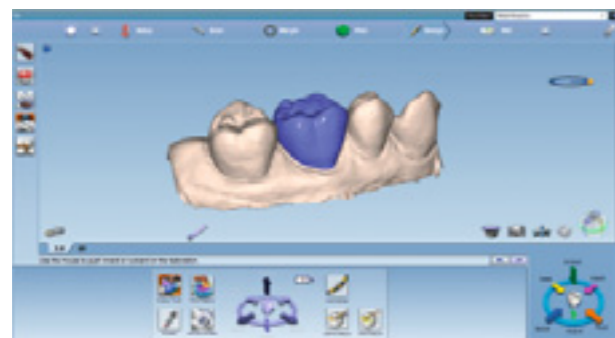
The smoothest workflow in CAD/CAM dentistry

PLANMECAFIT™

CAD/CAM for dental clinics



Scan
Planmeca PlanScan®



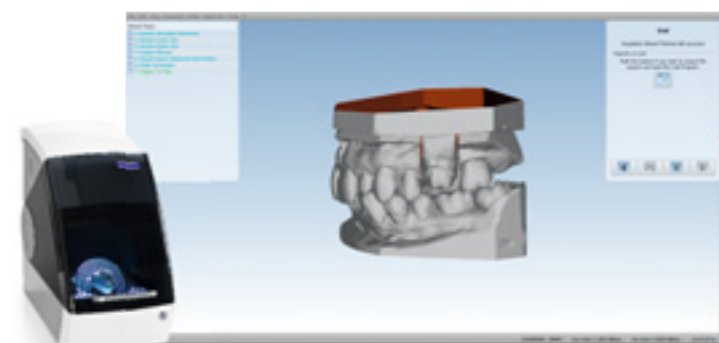
Design
Planmeca PlanCAD® Easy



Mill
Planmeca PlanMill® 40 S

Brand new!

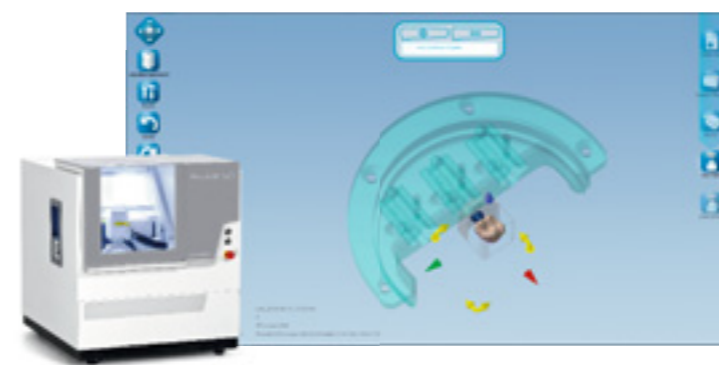
CAD/CAM for dental labs



Scan
Planmeca PlanScan® Lab



Design
Planmeca PlanCAD® Premium



Mill
Planmeca PlanMill® 50



3D print
Planmeca Creo™

Brand new!

Milling center



Milling center
PlanEasyMill™

- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin

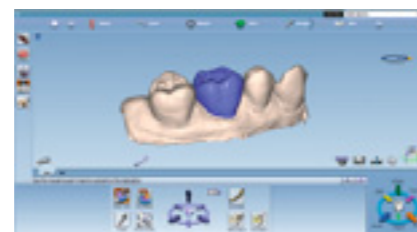
PLANMECA FIT™

CAD/CAM for dental clinics

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



Planmeca PlanScan®
Ultra-fast intraoral scanner for open CAD/CAM.



Planmeca PlanCAD® Easy
Easy and efficient design tool for prosthetic works.



Planmeca PlanMill® 40 S
Powerful and precise unit for milling at clinics.

*Precision beyond comparison
– discover the perfect FIT for you*

Planmeca PlanScan®

Ultra-fast intraoral scanner for open CAD/CAM

Chairside scanning like never before

- Colour and grayscale scanning
- Autoclavable and changeable tips in different sizes for impeccable infection control
- Powder-free scanning
- Moisture control with built-in anti-fogging technology
- Real-time scanning with sound guidance
- Accurate scans from a single unit to a full arch
- Open STL file format
- True dental unit integration
- Plug-and-play device – easy to share

The unparalleled benefits of dental unit integrated Planmeca PlanScan®

- Smooth and effortless workflow lets you concentrate on your patient
- Constant access to real-time scanning data
- Hands-free operation with wireless foot control
- Can be upgraded to any Planmeca dental unit
- Can be shared between different operatories
- Intelligent **Planmeca Romexis®** software licensing – different work phases (scan, design and manufacture) can be performed simultaneously by different users.



- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin

PLANMECA FIT™

CAD/CAM for dental clinics

Planmeca PlanCAD® Easy

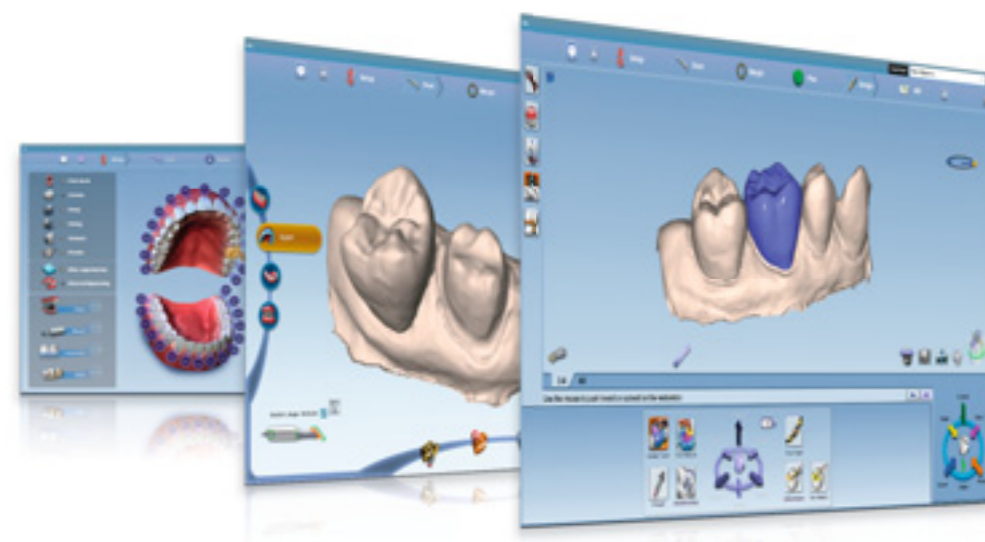
Easy and efficient design tool for prosthetic works

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

- Extensive range of indications: crowns, inlays, onlays, veneers, and bridges
- User-friendly designing – fast, easy, and carefree
 - automatic saving
 - automatic design: contact strength, anatomical shape, and minimum material thickness
- Option to modify anatomics manually after automatic designing
- Easy to send the final design to be milled from the same software
- Part of the **Planmeca Romexis®** software

Smooth usability and automatic design of restorations

Simple workflow from description to milling



Planmeca PlanMill® 40 S

Powerful and precise unit for milling at clinics

Planmeca PlanMill® 40 S is our brand new unit for fast and accurate milling directly at a dental clinic. With its enhanced performance and numerous smart features, the unit offers the most advanced milling experience on the market.



- State-of-the-art design
- Linear motion and on-board computer
- Fast milling speed – 80,000 RPM and 8–10 minutes per restoration
- Expanded range of applications – abutments, crowns, inlays, onlays, veneers, and bridges
- Automated tool changer for 10 tools
- Smart tool paths – optimised to suit material characteristics
- Guided maintenance – from daily cleanings and water changes to annual preventive maintenance notifications

Planmeca Romexis® Clinic Management for real-time monitoring



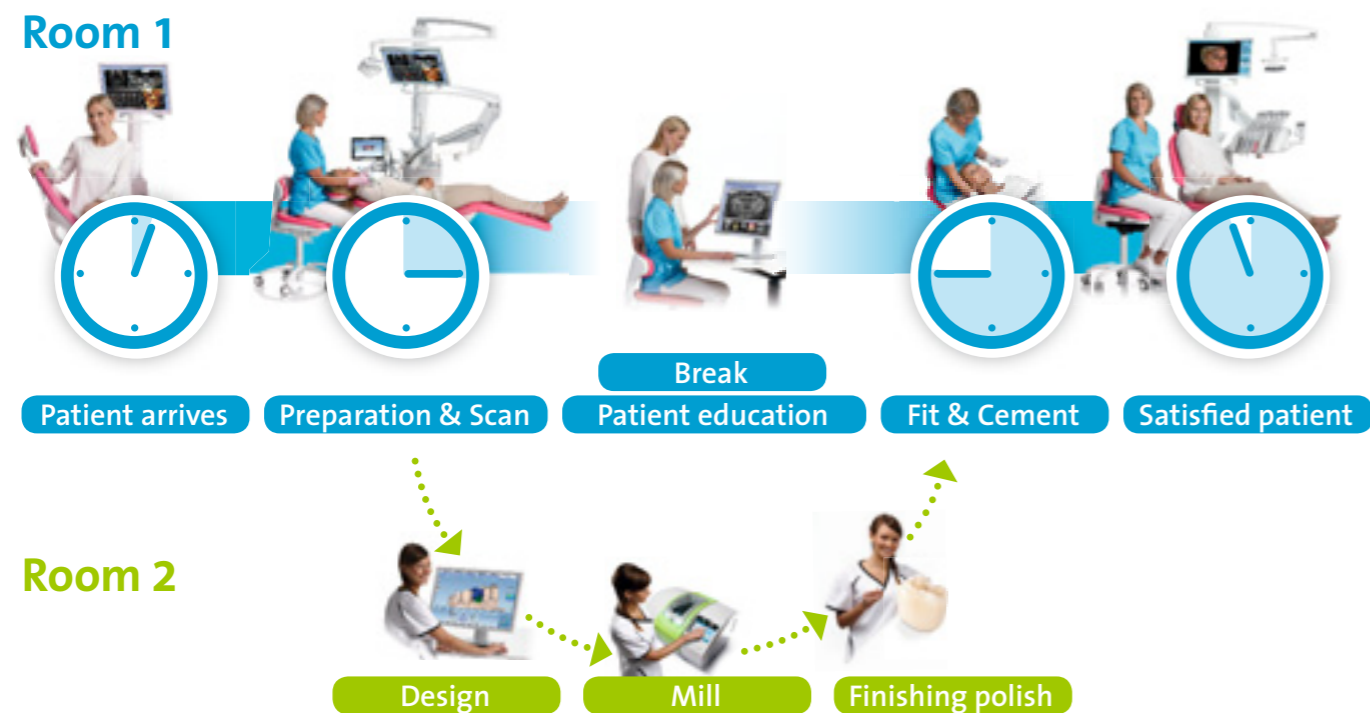
- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin

PLANMECA FIT™

CAD/CAM for dental clinics

Complete patient satisfaction

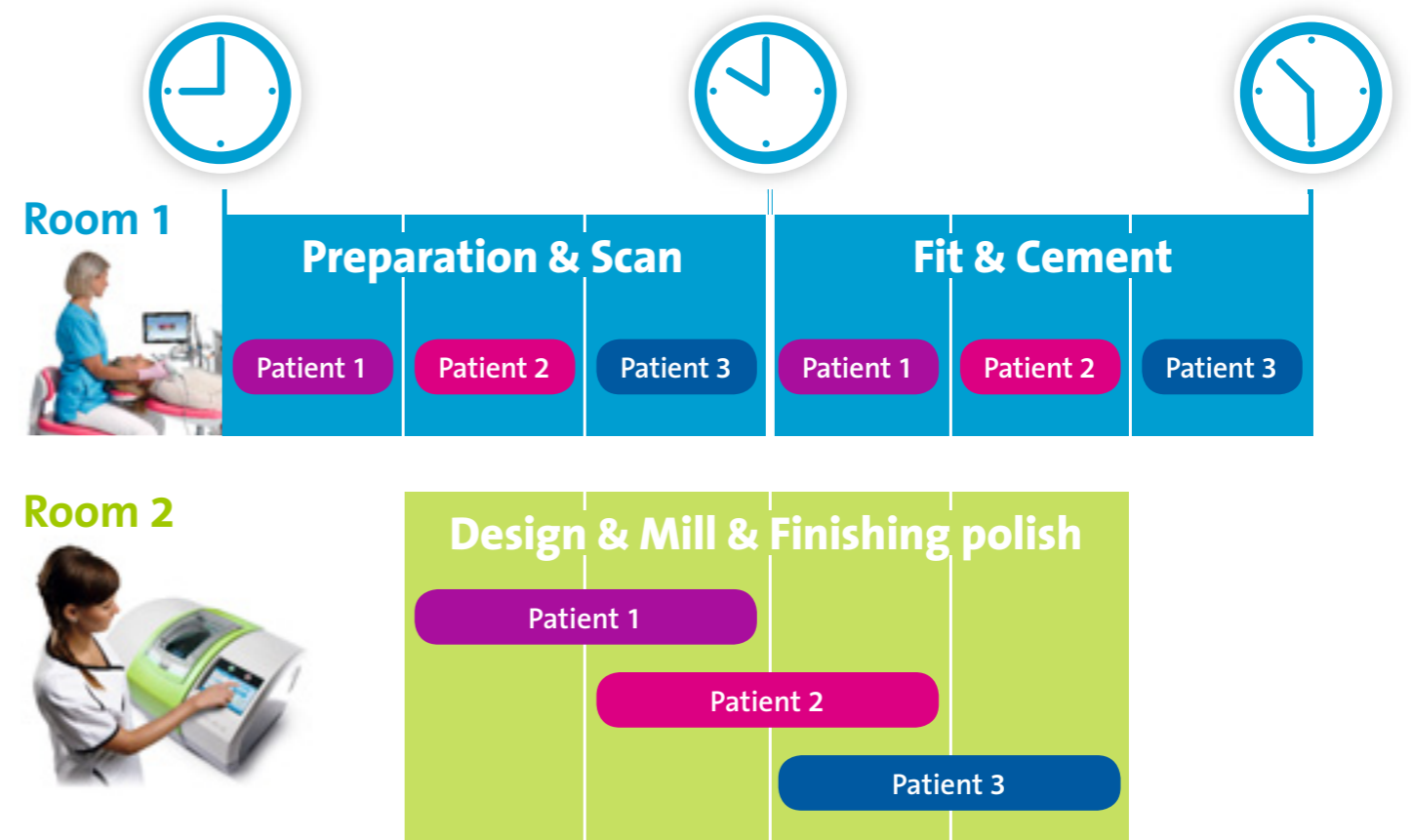
Planmeca FIT™ is a completely streamlined approach to high-quality dental care. Instead of two visits, it allows patients to be treated in one hour – with no temporary crowns or physical dental models required. Ensure full patient satisfaction and efficiency at all phases with Planmeca FIT one-hour dentistry!



Take advantage of the optimal clinic workflows with Planmeca Romexis® software

Maximised uptime

The key to ensuring an optimal patient flow lies in streamlined efficiency. Planmeca FIT™ enables you to maximise your clinic's uptime by eliminating non-productive steps. A clear division of work and responsibility will allow you to treat more patients in a shorter period of time and utilise resources to the fullest.



- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin

Planmeca PlanScan® – seamless connectivity with dental labs

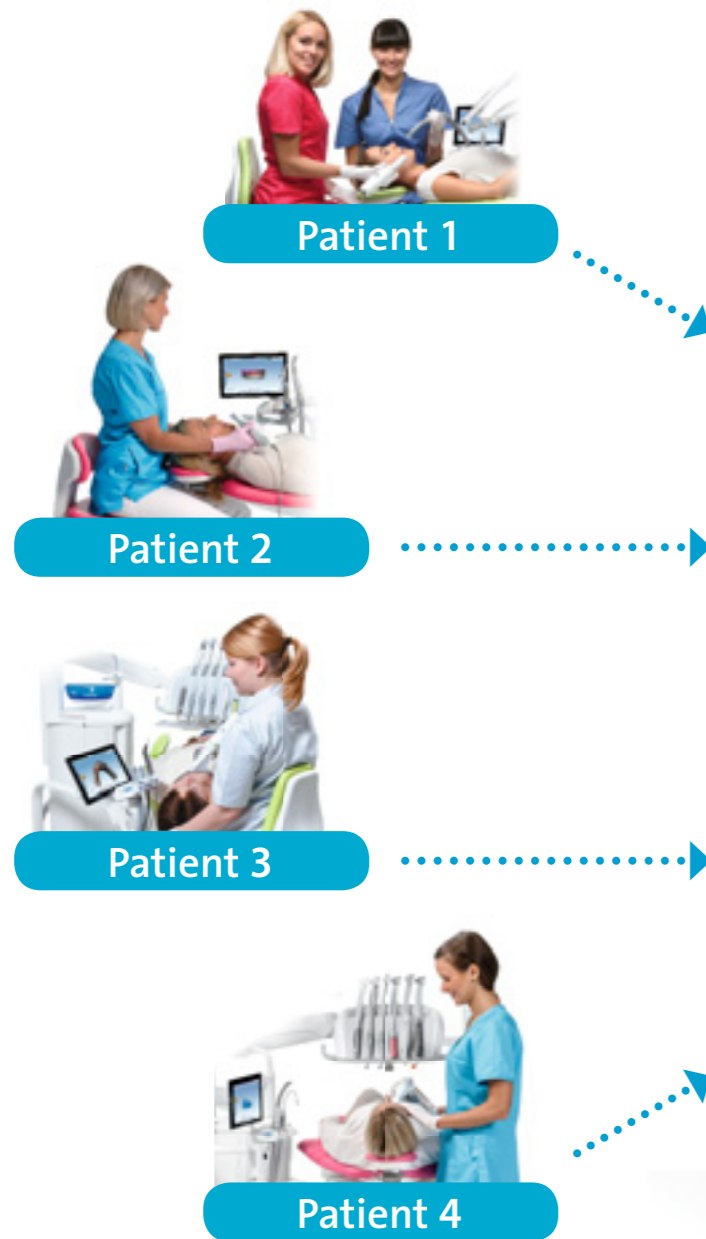
With the **Planmeca Romexis®** software platform, your dental laboratory is always ready to receive digital impressions. Scanning data and all other necessary information is sent via our secure **Planmeca Romexis® Cloud** image transfer service – or through the database shared with the clinic. The result is an unbeatable solution for a completely digital workflow.

Dental technicians can instantly access the scan data for designing

- Case Patient 1
- Case Patient 2
- Case Patient 3
- Case Patient 4

- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report

- Login
- Admin



Planmeca dental units – your best investment

We are proud to present Planmeca's world-leading range of dental units. Our flagship unit, **Planmeca Sovereign®** offers everything you need to meet the demands of modern dentistry. **Planmeca Sovereign® Classic** is our brand new dental unit with intelligent new design details. **Planmeca Compact™ i Touch** has more than 40,000 satisfied customers around the world, from private practices to universities and hospitals, while **Planmeca Compact™ i Classic** is an ideal choice for general dentistry with its standard features.



Planmeca Compact™ i Classic



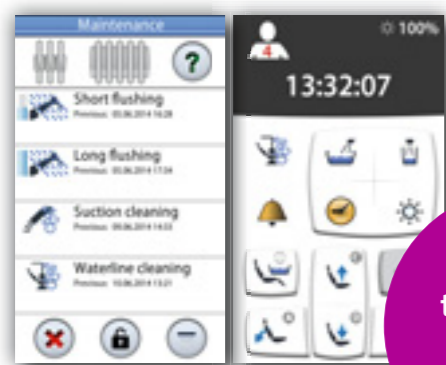
Planmeca Sovereign®



Planmeca Sovereign® Classic



Planmeca Compact™ i Touch



Intuitive touch panel for perfect ease of use



New! Personal settings by flashing a contactless card

- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report

- Login
- Admin

The power of a digital dental unit

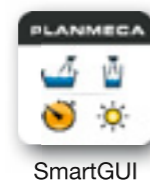
Planmeca's digital dental units bring unforeseen smoothness to your daily workflow. They guarantee ergonomic working positions and instant access to personal user settings, leading to considerable time and cost savings for the whole clinic.

Intuitive user interface

Our intuitive touch panel is straightforward and easy to use with customisable functions, treatment positions, instrument settings and presets. The entire dental unit can be controlled from the same user interface.

Dental unit integrated tablet

Control all dental unit operations conveniently from an integrated chairside tablet device. The new **Planmeca SmartGUI™** mobile application* allows the user interface of **Planmeca Compact™ i Touch** and **Planmeca Sovereign® Classic** units to be accessed and operated flexibly through either a tablet or smart phone.

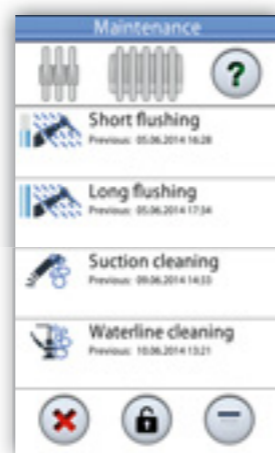


Unique networking

All the clinic's digital dental units can be easily networked, which brings unique benefits to their different users.

Quick infection control routines

- Automated flushing cycles
- Clear user guidance in 20 languages
- Software-controlled operations
- Quicker patient change



The best ergonomics

- Motorised movements allow you to smoothly customise your dental unit for different clinical treatment needs
- Easy and quick left/right conversion
- Only a tiny movement is needed for instrument activation



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



* Intended for trainings, educational use, maintenance and adjusting settings.

Different users, different needs

- Digital adaptation to different working habits
- Personal settings always available from all the dental units at the clinic
- Customisable dental unit functions, treatment positions, instrument settings and presets
- Easy instrument interchange according to personal preferences
- All necessary functions can also be carried out from the dental unit's wireless foot control



- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report

- Login
- Admin

Enjoy your chairside work

- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin

The multi-purpose Flexy™ holder

The modular **Flexy™** holder for suction tubes and instruments supports all your treatment needs. You can also easily integrate your **Planmeca PlanScan®** intraoral scanner and tablet device for an optimal chairside workflow.

Ease of use – just plug and play

The intuitive touch panel is straightforward and easy to use with customisable dental unit functions, treatment positions, instrument settings and presets.

Smartly designed instrument console

Our effortless console positioning allows instruments to be placed at the optimal ergonomic position. The console can also be moved to the assistant side for a smooth and efficient workflow. Instruments with quick connectors are interchangeable by user.

Foldable leg rest

The automatic leg rest makes it easy for patients to enter and exit the chair, ensuring a smooth workflow. It also provides excellent patient comfort and is practical for doctor-patient consultations and prosthodontic treatments.

Comfortable working positions

The wide height adjustment range allows you to work comfortably in a standing position, while the very low chair position also makes it possible to treat patients who are semi-reclined.

Unrestricted operator access

The narrow top of the backrest allows the dental team to get as close as possible to the treatment area.

Extensive legroom

The side-lifting chair and small cuspidor base maximise legroom for both dentist and assistant – allowing the whole team to get as close as possible to the patient.

Wireless foot control

All necessary functions can be carried out from the dental unit's foot control, keeping your hands free and minimising cross-contamination. You can also use the foot control to operate your **Planmeca PlanScan®** intraoral scanner.



Revolutionary connectivity for your Planmeca devices

Our **Planmeca Romexis® Clinic Management** software provides real-time information and monitoring of device usage and events. This pioneering software module offers unique benefits and services for all the different users at a clinic.

Planmeca devices can be connected to the **Planmeca Romexis® Clinic Management** software. It collects information on all equipment usage and offers practical tools for managing clinics. It allows storing personal dental unit settings, such as chair positions and instrument settings, and enables applying specified user restrictions for different user groups.

Benefits for group practices

- Monitor the clinic's status with all networked devices in one easy-to-read graphical overview
- Access accurate, real-time information on all dental unit operations
- Achieve significant cost-savings through better operational planning based on actual usage
- Achieve significant time and cost-savings with remote software updates

Benefits for clinical staff

- Easily adjust and save individual chair positions and instrument presets
- Instantly access saved user settings from all dental units at the clinic

Benefits for maintenance and infection control

- Conveniently monitor dental unit mileage remotely
- Minimise any possible downtime with real-time user-assistance
- Trouble-shooting is easy and fast: both real-time information and history of the device available
- Preventive maintenance can be planned and optimised according to real usage
- Audit trail and quality assurance of infection control procedures using built-in reporting



- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin

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
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report
- Login
- Admin



Planmeca ProX™



Planmeca ProScanner™



Planmeca ProOne®

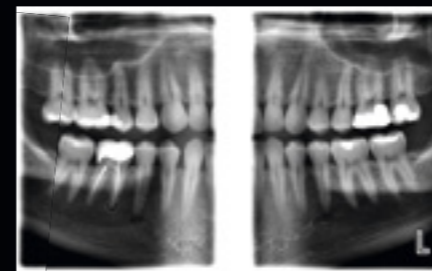


Planmeca ProSensor® HD

True extraoral bitewing images



Planmeca ProMax® 2D



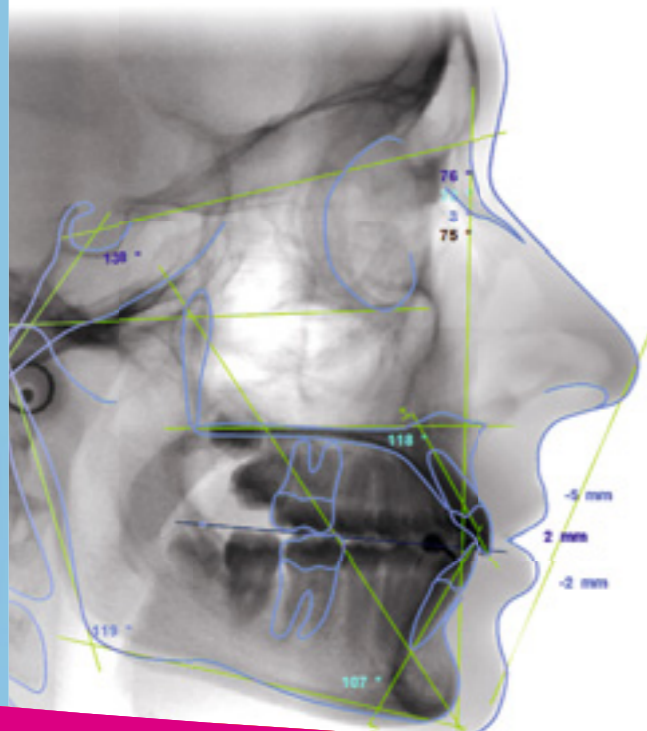
True Bitewing program, adult



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.



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

Integrated document management

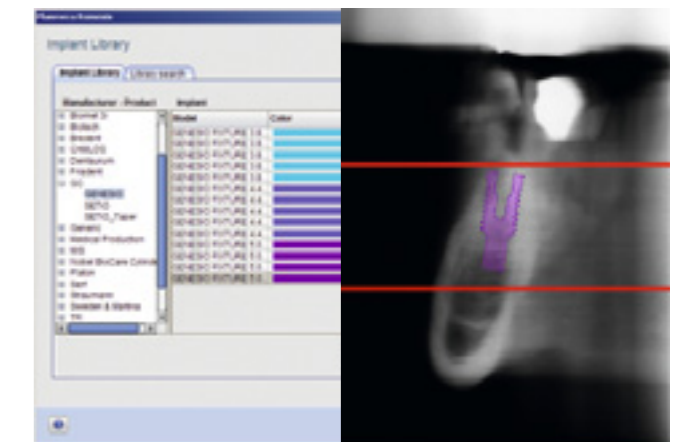
The printing module with multi-page support is ideal for creating professional, high-quality printouts and radiology reports to be sent to referring dentists.

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



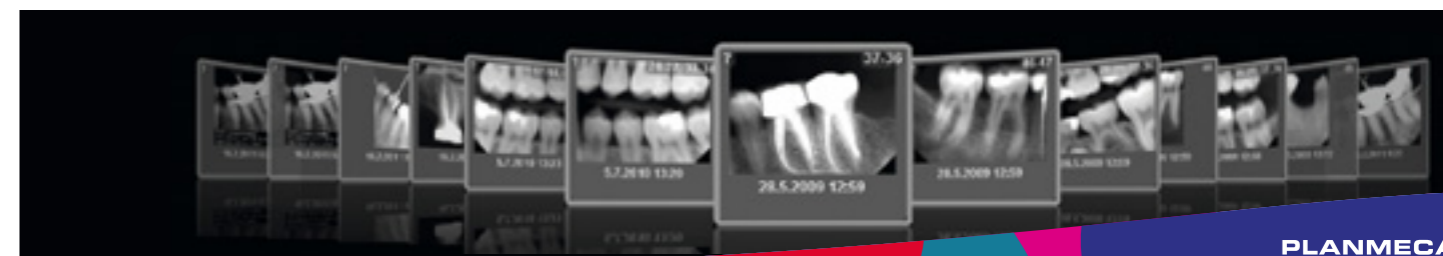
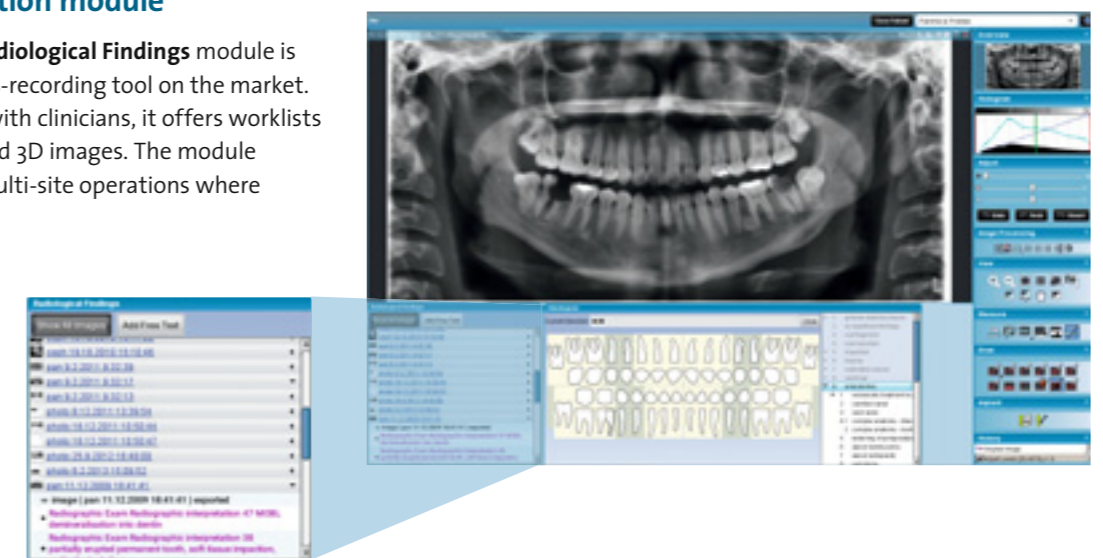
Advanced implant planning

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.



- Patients
- File
- 2D
- Smile
- 3D
- CAD/CAM
- Clinic
- Report

- Login
- Admin

One software for all.



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.

PLANMECA

Asentajankatu 6 | 00880 Helsinki | Finland | tel. +358 20 7795 500 | fax +358 20 7795 555 | sales@planmeca.com | www.planmeca.com

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