Frontrunners in **open** CAD/CAM dentistry

Planmeca offers a comprehensive selection of high-end CAD/CAM solutions for various needs. Different clinical workflows are conveniently carried out from start to finish with our open, top-quality CAD/CAM devices and software. The choice is yours!

**Scan**
- Intraoral scanner
  - Planmeca Emerald™ S

**Examine – Analyse – Design**
- Scanning and analysing software
  - Planmeca Romexis® Model Analyser

**Create**
- 3D printer
  - Planmeca Creo™ CS

- Chairside milling unit
  - Planmeca PlanMill® 40 S

- Chairside milling unit
  - Planmeca PlanMill® 30 S

- Laboratory milling unit
  - Planmeca PlanMill® 50 S

- Desktop scanner
  - Planmeca PlanScan® Lab

- Advanced designing software
  - Planmeca PlanCAD® Premium

- Scanning and designing software
  - Planmeca PlanCAD® Easy
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 the 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 FIT® is a completely streamlined approach to high-quality dental care. Instead of several 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!

OPTIMISED CHAIRSIDE WORKFLOW
Treat 1 patient in 1 hour

One user

<table>
<thead>
<tr>
<th>Prep &amp; scan</th>
<th>Design</th>
<th>Mill</th>
<th>Finishing polish</th>
<th>Fit &amp; cement</th>
</tr>
</thead>
</table>

Two users in different locations

<table>
<thead>
<tr>
<th>Prep &amp; scan</th>
<th>Fit &amp; cement</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Design</th>
<th>Mill</th>
<th>Finishing polish</th>
</tr>
</thead>
</table>

Planmeca FIT® enables you to maximise your clinic’s uptime by eliminating non-productive steps. With intelligent Planmeca Romexis® software licensing, different work phases (scan, design and manufacture) can be performed simultaneously by different users. This allows you to treat more patients in a shorter period of time and utilise resources to the fullest.

MAXIMISED UPTIME
Treat 3 patients in 1.5 hours

Two users working as a power team

<table>
<thead>
<tr>
<th>Prep &amp; scan</th>
<th>Prep &amp; scan</th>
<th>Fit &amp; cement</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Design</th>
<th>Mill</th>
<th>Finishing polish</th>
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</thead>
</table>

Planmeca FIT® is a completely streamlined approach to high-quality dental care. Instead of several 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!
Planmeca intraoral scanners

Our great selection of intraoral scanners includes a suitable scanner for every need. All our scanners are fully integrated into Planmeca devices and software, enabling exceptionally smooth workflows. At the same time, the open architecture allows users to share their scans as they like. The newest addition to our scanner family, Planmeca Emerald™ S, is a brilliant premium version of the beloved Planmeca Emerald™. The new scanner is twice as fast as its predecessor and offers a truly pleasant scanning experience!

Planmeca Emerald™ S and Planmeca Emerald™
Capturing digital impressions has never been as easy!

Planmeca Emerald™ S – hyper-speed scanning with superior usability
All the great features of the original Planmeca Emerald™ combined with spectacular improvements:
• Superior capturing speed
• Outstanding usability – easier scanning experience
• Beautiful, vivid and natural colours
• Tooth shade assistant

New!

Planmeca Emerald™ – the original crown jewel of intraoral scanning
• Fast and accurate
• Small and lightweight
Different tips for different needs

Always the right tool in your hands

With two different scanning tip sizes, the Planmeca Emerald™ scanners meet all your needs. They also allow using transillumination technology for caries detection: just change the tip and you have two outstanding devices in one!

- Autoclavable tips for impeccable infection control
- Heated tip for active fog prevention
- Change the tip anytime and continue scanning

Just change the tip and you are ready to go!

Standard tip

Standard scanning tip is the perfect tool for performing general intraoral scanning extremely fast and conveniently.

SlimLine tip

SlimLine tip is thinner and smaller than the standard tip, and an ideal choice for scanning patients with smaller mouths. It makes reaching posterior teeth and capturing interproximal areas even easier.

See the teeth in a whole new light!

Planmeca Cariosity™ tip

Planmeca Cariosity™ scanning tip is an excellent tool for caries diagnostics: it helps clinicians to detect approximal, occlusal and secondary caries as well as cracks in their early stages.

With the Cariosity tip, you can see through the tooth. You can turn the light on from one side at a time or simultaneously from both sides to get the best possible view for diagnostics.

The unbeatable combination of examining HD colour and caries detection views side by side makes diagnostic procedures even easier. The views can also be saved and documented effortlessly.

Caries detection is done with a radiation-free near-infrared light, which is safe for the patient.

All diagnostic tools are available at once through seamless integration with X-ray images in Planmeca Romexis® software.

Planmeca Emerald™ scanners meet all your needs.
Vast range of indications
Expand your clinical capabilities

Flexible Planmeca Emerald™ intraoral scanners support various different workflows. With a wide range of treatment options, the scanners offer benefits across several specialities.

**Full Arch Scanning**
Scan a full dental arch in under a minute. Send scans to the lab of your choice or use them in your own digital workflows. Document your patients’ teeth for future use and comparisons.

**2D Snapshot**
Use the scanner as an intraoral camera and capture 2D snapshots with natural colours. Engage patients, document existing conditions or consult with colleagues.

**Cariology**
Detect caries and cracks in their early stages with the Planmeca Cariosity™ tip.

**Implantology**
Scan implant positions with the help of scan bodies for abutment design. Scan abutments to create crowns and bridges on top of them. Combine scan data with a CBCT image for digital implant planning and surgical guide design.

**Prosthodontics**
Get instant feedback: check your preparations from the computer screen. Scan preparations and abutments to create crowns, inlays and onlays, veneers and bridges. Scan temporary restorations and wax-ups to create final designs. Scan full arches to create dental splints, removable prostheses and other prosthetic indications.

**Maxillofacial surgery**
Combine intraoral scans with CBCT data for treatment planning and manufacturing prostheses.

**Orthodontics**
Scan full arches for digital orthodontic treatment planning. Combine intraoral scan data with a CBCT image to see the root movements. Follow treatment progress and results.

Take advantage of the scanner’s compatibility with various orthodontic systems: See the constantly growing list of all the orthodontic solution providers at www.planmeca.com/orthocompliance.

Dental unit integration
Use Planmeca intraoral scanner just like any other instrument

The unique integration of the intraoral scanner with a Planmeca dental unit enables chairside scanning in a way you have never experienced before. The dental unit integration guarantees a smooth workflow and ideally ergonomic working positions.

**Key benefits**
- Smooth and effortless workflow lets you concentrate on your patient
- Additional screens on the dental unit can be utilised to achieve outstanding ergonomics
- Hands-free operation with wireless foot control
- Hygienic operation – No need to touch a mouse or keyboard
Scanning and designing software

Easy and efficient design tool for prosthetic works

Planmeca PlanCAD® Easy is our open CAD software suite designed especially for dentists. It 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 applications: crowns, abutments, inlays, onlays, veneers and bridges
- User-friendly designing – fast, easy and carefree
  - Automatic saving
  - Automatic design contact strength, anatomical shape and minimum material thickness
  - Automatic removal of unwanted data
- Option to modify the restoration manually after automatic designing
- Part of the Planmeca Romexis® software

Simple workflow from description to milling

- Work description
- Scanning
- Marking the margin line
- Designing
- Manufacturing – send to Planmeca PlanMill® 40 S or Planmeca PlanMill® 30 S

Seamless implant workflow for clinics

The Planmeca PlanCAD Easy software’s new implant workflow is an ideal solution for efficient dental clinics. It allows you to design hybrid abutment crowns and manufacture them chairside.

- Automatic alignment of scan body scans to the corresponding implant library information
- Screw-retained hybrid abutment crowns on titanium bases
- Tools for creating an optimal emergence profile
Scanning and analysing software

Ingenious tool for scanning, analysing and transferring digital impressions

Planmeca Romexis® Model Analyser is a new, user-friendly software module dedicated to easy working with intraoral scans. It streamlines the workflows especially in orthodontics and brings them to a whole new level.

Main features

- Direct intraoral scanning with Planmeca Emerald™ and Planmeca Emerald™ S intraoral scanners
- Examine digital models using predefined views
- Examine tooth width, arch length and free measurements
- Compare scans captured at different times: follow treatment results or tooth wear
- Create bases for 3D printable models
- Send digital impressions to 3rd parties using Planmeca Romexis® Cloud transfer service
Chairside milling units
Take milling to the next level

Our Planmeca PlanMill® milling units are the leading choice for fast and accurate milling directly at a dental clinic. With their enhanced performance and numerous smart features, the units offer the most advanced milling experience on the market.

- Linear motors for the highest precision
- On-board computer for an independent workflow and optimal control
- Expanded range of applications – abutments, crowns, inlays, onlays, veneers and up to 6-unit bridges
- Smart tool paths – optimised to suit material characteristics
- Guided maintenance – from daily cleanings and water changes to annual preventive maintenance notifications
- The pioneering Planmeca Romexis® Clinic Management software module for ultimate efficiency: real-time monitoring of task status, milling statistics, diagnostic log view and quick guides

Planmeca PlanMill® 40 S
Powerful and precise
- Fast milling speed – two spindles, 8–10 minutes per restoration
- Automated tool changer for 10 tools

Planmeca PlanMill® 30 S
Efficient and cost-effective
- High-speed single-spindle milling unit, 11–13 minutes per restoration
- Rotary axis enables milling both sides of the block with a single spindle
- Automated tool changer for 5 tools

Materials

Glass Ceramics
- IPS Empress CAD
- IPS Empress CAD Multi
- VITABLOCS Mark II
- VITABLOCS TriLuxe forte

Reinforced Glass Ceramics
- IPS e.max CAD
- VITA SUPRINTITY PC
- Straumann n!ce

Reinforced Composites
- VITA ENAMIC
- VITA ENAMIC multiColor
- GC CERASMART
- Tetric CAD

Temporary materials
- Telio CAD

Zirconium materials
- IPS e.max ZirCAD
- IPS e.max ZirCAD MT Multi
3D printer for chairside manufacturing

The ultimate chairside 3D printer built for speed

Planmeca Creo® C5 is the combination of speed and precision you have been waiting for. Designed specifically for dental clinics, the durable and compact chairside 3D printer enables fabricating dental applications, such as surgical guides, in a single patient visit.

Planmeca Creo® C5 is a fast, calibration-free solution that has been developed in cooperation with some of the best clinical experts in dental technology. The distortion-free LCD technology and the robust aluminium body of the printer ensure outstanding mechanical precision, which results in highly accurate and predictable prints. The LCD technology allows you to print multiple objects at once without extended printing times, saving your time for the next patient.

Key benefits
- Industry quality at an accessible price
- LCD printing technology and aluminium construction allow highly fast and accurate printing
- Easy to take into operation – just plug and play
- Open import for STL and PLY file formats
- Pre-programmed optimised material settings
- No calibration or fixed service intervals needed

Optimised printing materials with sophisticated resin handling system

To ensure safe and high-quality results, the printing materials for Planmeca Creo C5 are medically approved and specifically optimised for the printer. Different resins for different applications allow you to offer new chairside services to your customers.

The materials come in brand new and convenient capsules. They are a completely unique way to dispense high-quality 3D printing materials – without any of the material going to waste.

Materials

Dental models
- FotoDent model
- FotoDent setup

Surgical guides
- FotoDent guide

Gingiva segments in dental models
- FotoDent gingiva

Impression trays
- FotoDent tray

Indirect bonding trays
- FotoDent IBT
CAD/CAM for dental labs

The Planmeca CAD/CAM™ Lab workflow starts from Planmeca PlanCAD® Premium, which connects all workflow steps under one software. The system is an excellent choice for all dental laboratories – with open import options, a fast and precise desktop scanner, sophisticated design software for a full range of indications, and an accurate 5-axis milling machine.

Capture digital impression

Intraoral scan
Planmeca Emerald™ S
Planmeca Emerald™

Gypsum model scan
Planmeca PlanScan® Lab

Import
STL file
PLY file

Design

Planmeca PlanCAD® Premium

Create

Milling unit
Planmeca PlanMill® 50 S

3D printer
Planmeca Creo™ CS
Planmeca PlanScan® Lab is our fast and accurate desktop scanner for scanning gypsum models and impressions. The scanner is easy to operate and can be used for a variety of indications, ranging from single-unit crowns and abutments to full-arch bridges and implant bars.

Main features
- Scans models and impressions
- Accuracy: 5 μm
- Structured-light technology
- Multi-die plate for 9 dies
- Scan time for a full jaw: 40 seconds
- Output: open STL, PLY, OBJ data
- Low-maintenance
- Scan software operated from Planmeca PlanCAD® Premium
Our open Planmeca PlanCAD® Premium software for dental laboratories is an optimal tool for designing high quality restorations for a full range of indications.

**Highlights**
- Planmeca intraoral scanner import – reads colour texture models, margin line data and order descriptions
- Quick launch option from Planmeca Romexis®
- User-friendly tools for modifying designs, including a virtual articulator
- The software can be tailored to different user needs: the user can work in a wizard or with a customised workflow
- Open implant libraries for custom abutment design
- Open STL import and export

**A full range of indications**
- Crown and bridge design
  - copings, anatomical copings, monolithic restorations, frameworks, provisionals
- Inlays, onlays and veneers
- Wax-up design
- Telescopic crowns
- Custom abutments
  - screw-retained and cemented
- Implant bar and bridge design
- 3D printed models
- Bite splints
- Smile design
- Full denture design
- Removable partial denture design

**Import scans from an intraoral or desktop scanner**

**Open and easy workflow for flexible designing and manufacturing**
- Import a scan from a Planmeca intraoral scanner or Planmeca PlanScan® Lab
- Design
- Send to Planmeca PlanMill® 50 S for manufacturing
Laboratory milling unit

**Powerful 5-axis milling unit for dental labs**

The 5-axis Planmeca PlanMill® 50 S unit is a powerful tool for wet and dry milling of discs and blocks. Equipped with a high-speed spindle and an automatic changer for 12 tools, the powerful milling unit has been designed specifically for dental labs.

Planmeca PlanMill® 50 S can be used to mill discs, blocks and prefabricated titanium or cobalt chrome abutments. The easy-to-use CAM software of the unit supports open STL files.

**Materials**

- **Standard 98mm blank with shoulder**
  - Zirconium
  - PMMA
  - WAX
  - Peek

- **PlanMill blocks**
  - Glass Ceramics
  - Reinforced Glass Ceramics
  - Reinforced Composites
  - Temporary materials

- **Prefabricated Abutments**
  - Titanium
  - CoCr

**Milling center**

**Milling services for dental laboratories**

Our PlanEasyMill™ milling centre offers cutting-edge milling services for dental laboratories. Quick deliveries and superior service combined with a wide selection of materials guarantee successful results.
Planmeca Emerald™

**Indications**
- Inlays/onlays
- Veneers
- Crowns
- Bridges
- Full arches
- Scan bodies
- Models
- Impressions

**Integration**
- Integrated into a Planmeca dental unit or connected to a PC

**Data output**
- Scans of lower and upper arches in occlusion exported as open STL and PLY files

**Scanning options**
- True colour
- 2 autoclavable scanning tip options: Standard and SlimLine. Autoclavable Cariosity tip for caries detection
- Actively heated tip: Guaranteed non-fogging operation when used intraorally

**Cable interface**
- USB A type connection on the laptop end
- USB C Type connection on the scanner end

**Light source**
- Red, green, and blue lasers

**Scanning technology**
- Projected pattern triangulation

**Dimensions (scanner with tip)**
- 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)

**Weight (scanner with tip)**
- Planmeca Emerald S: 229 g (8.1 oz)
- Planmeca Emerald: 235 g (8.3 oz)

**Recommended PC system requirements**
- Computer: Laptop PC or desktop PC
- Processor: Intel i7, 8th generation or better
- RAM: 32 GB
- Hard disk: 512 GB
- Graphics card: NVIDIA Quadro RTX 2070 8 GB or better
- Monitor: Full HD resolution
- Cable interface: USB 3.0
- Operating System: Windows 10 (64 bit) Pro

Planmeca PlanCAD® Easy

**Scanning and designing software**
- Scanning with the Planmeca intraoral scanners
- Taking 2D snapshots
- Designing restorations
- Imports and exports: STL, PLY
- Creating lab order forms (PDF)

**Indications**
- Inlays/onlays
- Veneers
- Crowns
- Bridges
- Abutments

**Floating licenses**
- Scan license
- Design & Mill license
- Mill only license

**Operating systems**
- Windows 8.1 (64 bit) Pro
- Windows 10 (64 bit) Pro

Planmeca PlanMill® 40 S

**Chairside milling unit**
- Power requirements: 100/240 V AC
- Input frequency: 50/60 Hz
- Power input: 1000 W
- Weight: 72.6 kg (160 lbs)
- Dimensions when closed (W x H x D): 662 x 441 x 544 mm (26 x 17.4 x 21.4 in.)
- Minimum required clearances: Sides 51 mm (2 in.), Rear 25 mm (1 in.), Top 305 mm (12 in.)
- Storage temperature: 0–40ºC (32–104ºF)
- Air supply requirements:
  - Pressure and flow: Constant 3.5–9.0 bar (50–130 psi)
  - Minimum 60 l/min (2 cfm)
- Air purity:
  - Solid contaminants (class 3): filtration level better than 5 μm for solids
  - Water content (class 4): maximum pressure dew point +3 ºC
  - Total oil content (class 3): maximum oil content 1 mg/m³
- Tool Changer: 10 tool positions, automated
- Spindle: 80 000 rpm
- Data connection: Cat5 or Cat6 Ethernet cabling

Planmeca PlanMill® 30 S

**Chairside milling unit**
- Power requirements: 100/240 V AC
- Input frequency: 50/60 Hz
- Power input: 1000 W
- Weight: 61 kg (135 lbs)
- Dimensions when closed (W x H x D): 662 x 441 x 544 mm (26 x 17.4 x 21.4 in.)
- Minimum required clearances: Sides 51 mm (2 in.), Rear 25 mm (1 in.), Top 305 mm (12 in.)
- Storage temperature: 40–70ºC (+104–158ºF)
- Air supply requirements:
  - Pressure and flow: Constant 3.5–9.0 bar (50–130 psi)
  - Minimum 60 l/min (2 cfm)
- Air purity:
  - Solid contaminants (class 3): filtration level better than 5 μm for solids
  - Water content (class 4): maximum pressure dew point +3 ºC
  - Total oil content (class 3): maximum oil content 1 mg/m³
- Tool Changer: 5 tool positions, automated
- Spindle: 100 000 rpm
- Data connection: CAT5 or Cat5 Ethernet cabling

Planmeca Creo™ C5

**3D printer**
- Power requirements: STL, PLY
- Printing technology: LCD
- Printing materials:
  - Dental models
  - Surgical guides
  - Gingiva segments in dental models
- Impression traps: Indirect bonding traps
- Build area: 68 x 120 x 100 mm (2.7 x 4.7 x 3.9 in.)
- Dimensions: Ø 300 mm (11.8 in.), h 500 mm (19.7 in.)
- F-theta resolution: < 50 μm
- E resolution: 26 – 100 μm
- Weight: 32 kg (70.5 lbs)

Planmeca Romexis® Model Analyser

**Scanning and analysing software**
- Scanning with the Planmeca intraoral scanners
- Taking 2D snapshots
- Model analysing and viewing
- Tooth width, arch length, and free measurements
- Button and space analyses
- Model base creation
- Comparison of scans
- Imports and exports: STL, PLY
- Creating lab order forms (PDF)

**Light source**
- Planmeca Emerald S: 229 g (8.1 oz)
- Planmeca Emerald: 235 g (8.3 oz)

**Dimensions (scanner with tip)**
- 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)

**Recommended PC system requirements**
- Computer: Laptop PC or desktop PC
- Processor: Intel i7, 8th generation or better
- RAM: 32 GB
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- Graphics card: NVIDIA Quadro RTX 3000 6 GB or better
- Monitor: Full HD resolution
- Cable interface: USB 3.0
- Operating System: Windows 8.1 (64 bit) Pro

Planmeca PlanCAD® Easy

**Scanning and designing software**
- Scanning with the Planmeca intraoral scanners
- Taking 2D snapshots
- Designing restorations
- Imports and exports: STL, PLY
- Creating lab order forms (PDF)

**Indications**
- Inlays/onlays
- Veneers
- Crowns
- Bridges
- Abutments

**Floating licenses**
- Scan license
- Design & Mill license
- Mill only license

**Operating systems**
- Windows 8.1 (64 bit) Pro
- Windows 10 (64 bit) Pro

Planmeca PlanMill® 40 S

**Chairside milling unit**
- Power requirements: 100/240 V AC
- Input frequency: 50/60 Hz
- Power input: 1000 W
- Weight: 72.6 kg (160 lbs)
- Dimensions when closed (W x H x D): 662 x 441 x 544 mm (26 x 17.4 x 21.4 in.)
- Minimum required clearances: Sides 51 mm (2 in.), Rear 25 mm (1 in.), Top 305 mm (12 in.)
- Storage temperature: 0–40ºC (32–104ºF)
- Air supply requirements:
  - Pressure and flow: Constant 3.5–9.0 bar (50–130 psi)
  - Minimum 60 l/min (2 cfm)
- Air purity:
  - Solid contaminants (class 3): filtration level better than 5 μm for solids
  - Water content (class 4): maximum pressure dew point +3 ºC
  - Total oil content (class 3): maximum oil content 1 mg/m³
- Tool Changer: 10 tool positions, automated
- Spindle: 80 000 rpm
- Data connection: Cat5 or Cat6 Ethernet cabling

Planmeca PlanMill® 30 S

**Chairside milling unit**
- Power requirements: 100/240 V AC
- Input frequency: 50/60 Hz
- Power input: 1000 W
- Weight: 61 kg (135 lbs)
- Dimensions when closed (W x H x D): 662 x 441 x 544 mm (26 x 17.4 x 21.4 in.)
- Minimum required clearances: Sides 51 mm (2 in.), Rear 25 mm (1 in.), Top 305 mm (12 in.)
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- Air supply requirements:
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  - Minimum 60 l/min (2 cfm)
- Air purity:
  - Solid contaminants (class 3): filtration level better than 5 μm for solids
  - Water content (class 4): maximum pressure dew point +3 ºC
  - Total oil content (class 3): maximum oil content 1 mg/m³
- Tool Changer: 5 tool positions, automated
- Spindle: 100 000 rpm
- Data connection: CAT5 or Cat5 Ethernet cabling
### Planmeca PlanScan® Lab desktop scanner

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions when closed (W x H x D)</td>
<td>250 x 450 x 450 mm (9.8 x 17.7 x 17.7 in.)</td>
</tr>
<tr>
<td>Weight</td>
<td>28 kg (64 lbs)</td>
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<tr>
<td>PC</td>
<td>High performance desktop pc with monitor</td>
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<tr>
<td>Multi-die scanning</td>
<td>Yes</td>
</tr>
<tr>
<td>Calibration</td>
<td>Automated with a calibration plate</td>
</tr>
<tr>
<td>Scanning times</td>
<td>40 sec. full arch</td>
</tr>
<tr>
<td>Accuracy</td>
<td>5 microns</td>
</tr>
<tr>
<td>Light source</td>
<td>White light</td>
</tr>
<tr>
<td>Scanning technology</td>
<td>Structured light, 2 cameras</td>
</tr>
<tr>
<td>Scanning area</td>
<td>45 x 40 x 55 mm (1.77 x 1.57 x 2.17 in.)</td>
</tr>
<tr>
<td>Impression scanning</td>
<td>Yes</td>
</tr>
<tr>
<td>Software</td>
<td>Full integration with Planmeca PlanCAD® Premium</td>
</tr>
<tr>
<td>Import file format</td>
<td>STL, OBJ, OFF, PLY</td>
</tr>
</tbody>
</table>

### Planmeca PlanCAD® Premium advanced designing software

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Import file format</td>
<td>STL, OBJ, OFF, PLY</td>
</tr>
<tr>
<td>Export file format</td>
<td>STL</td>
</tr>
<tr>
<td>Upgrades</td>
<td>Optional yearly upgrades</td>
</tr>
</tbody>
</table>

#### Software modules

<table>
<thead>
<tr>
<th>Category</th>
<th>Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Crowns, copings, anatomical copings, monolithic restorations and frameworks, bridges, inlays, onlays &amp; veneers, wax-up design, telescopic crowns, custom abutments (screw-retained &amp; cemented), implant bar &amp; bridge design, 3D printed models, smile creator</td>
</tr>
<tr>
<td>Additional</td>
<td>Bite Splint module, provisional crowns and bridges, additional Rest Library, MANFRED WIEDMANN ZTS tooth library, digital dentures, removable partial dentures</td>
</tr>
</tbody>
</table>

### Planmeca PlanMill® 50 S laboratory milling unit

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions when closed (W x H x D)</td>
<td>566 x 612 x 665 mm (22.3 x 24.1 x 26.2 in.)</td>
</tr>
<tr>
<td>Weight</td>
<td>95 kg (209.4 lbs)</td>
</tr>
<tr>
<td>Cover</td>
<td>Swivel hood with safety interlocking</td>
</tr>
<tr>
<td>Consumption of compressed air</td>
<td>Approx. 60 l/min (min. 6.5 bar)</td>
</tr>
<tr>
<td>Spindle</td>
<td>60,000 rpm</td>
</tr>
<tr>
<td>Tool Changer</td>
<td>12 tool positions, automated</td>
</tr>
<tr>
<td>CAM software</td>
<td>Automated toolpath calculation with Planmeca PlanCAM™ software</td>
</tr>
<tr>
<td>Import file format</td>
<td>STL</td>
</tr>
<tr>
<td>Export file format</td>
<td>STL</td>
</tr>
<tr>
<td>Optional yearly upgrades</td>
<td></td>
</tr>
</tbody>
</table>

### Planmeca CAD/CAM™ Lab Technical specifications

<table>
<thead>
<tr>
<th>Module</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>Planmeca PlanScan® Lab</td>
<td>desktop scanner</td>
</tr>
<tr>
<td>Planmeca PlanCAD® Premium</td>
<td>advanced designing software</td>
</tr>
<tr>
<td>Planmeca PlanMill® 50 S</td>
<td>laboratory milling unit</td>
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</tbody>
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### Planmeca PlanCAD® Premium software modules

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<tr>
<th>Category</th>
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<tbody>
<tr>
<td>Standard</td>
<td>Crowns, copings, anatomical copings, monolithic restorations and frameworks, bridges, inlays, onlays &amp; veneers, wax-up design, telescopic crowns, custom abutments (screw-retained &amp; cemented), implant bar &amp; bridge design, 3D printed models, smile creator</td>
</tr>
<tr>
<td>Additional</td>
<td>Bite Splint module, provisional crowns and bridges, additional Rest Library, MANFRED WIEDMANN ZTS tooth library, digital dentures, removable partial dentures</td>
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### Planmeca PlanMill® 50 S laboratory milling unit technical specifications

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

Planmeca, all-in-one software

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