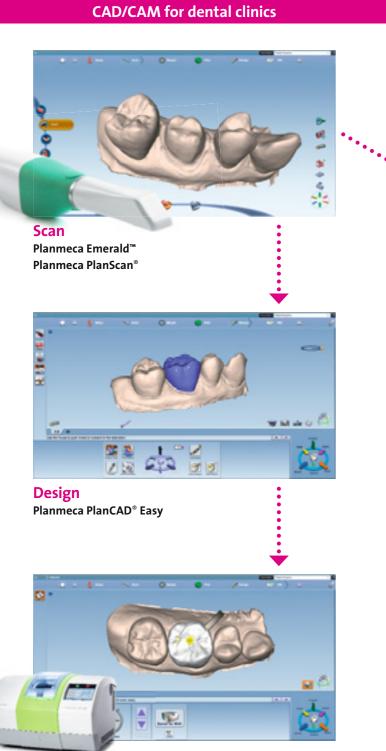
PLANMECA

CAD/CAM solutions

The smoothest workflow in CAD/CAM dentistry

PLANMECAFIT

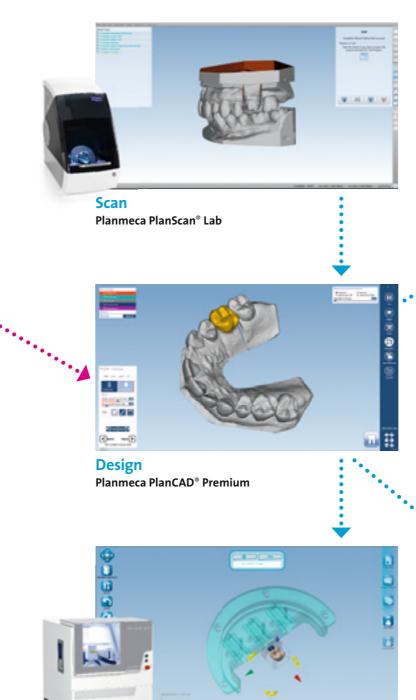


Mill Planmeca PlanMill[®] 40 S Planmeca PlanMill[®] 30 S



Planmeca Romexis lab order form



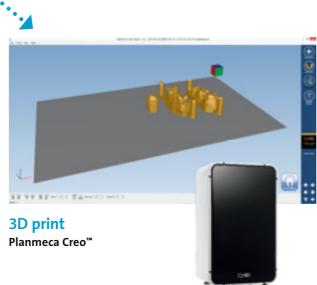


Mill Planmeca PlanMill[®] 50

Milling center



Milling center PlanEasyMill™



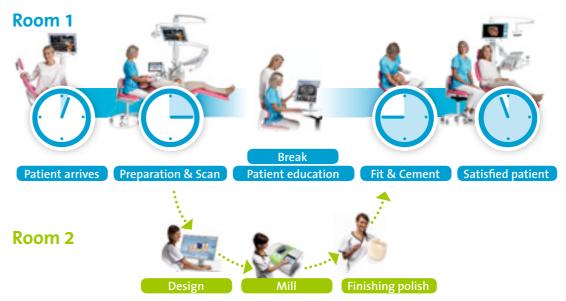
PLANMECAFIT® CAD/CAM for dental clinics

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.

Optimised chairside workflows

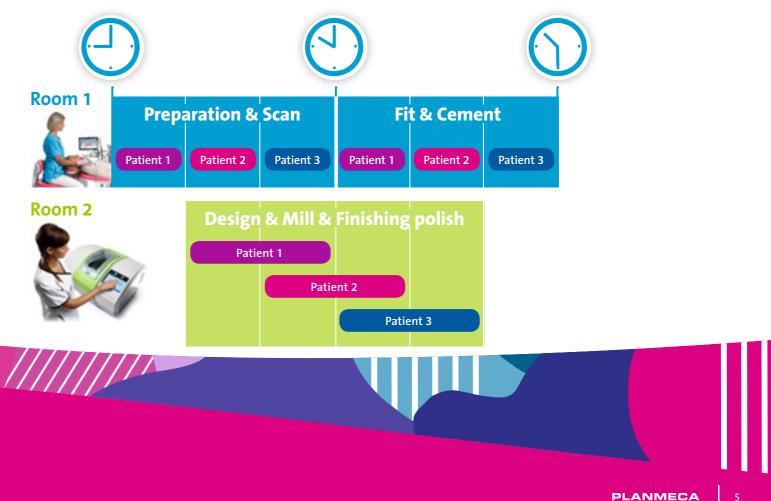
Complete patient satisfaction

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!



Maximised uptime

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.



Planmeca Emerald[™] The crown jewel of intraoral scanning

The brand new **Planmeca Emerald**[™] is a small, lightweight, and exceedingly fast intraoral scanner with superior accuracy. It is the perfect tool for smooth and efficient chairside workflows. Capturing digital impressions has never been as easy!

PLANMECA

Experience intraoral scanning like never before

- Small, lightweight and ergonomic design
- Powder-free, quick scanning with sound guidance
- Latest laser technology guarantees accurate 3D models with vivid colours
- Smart two button function no need to touch the computer while scanning patients
- Plug & Play: USB 3.0 connection directly to PC or Planmeca dental unit
- Actively heated tip prevents fogging
- Autoclavable and changeable tips for impeccable infection control
- Support for open STL and PLY file formats
- Scans intraorally, impressions and models
- Scan option for Microsoft Surface Pro tablets coming soon



Planmeca PlanScan® Accurate intraoral scanner for open CAD/CAM

Discover **Planmeca PlanScan**[®] – our acclaimed intraoral scanner for accurate digital 3D impressions. This high-performance intraoral scanning solution can be integrated into your digital Planmeca dental unit or connected to a laptop. Planmeca PlanScan provides a seamless user-experience and supports an ideal digital treatment workflow.



For flexible and efficient intraoral scanning

- Grayscale and colour scanning
- Three tip sizes autoclavable and changeable for impeccable infection control
- Powder-free scanning with sound guidance
- Actively heated tip prevents fogging
- Support for open STL and PLY file formats
- Plug & Play device easy to share
- Scans intraorally, impressions and models

Discover the unique benefits of our dental unit integrated intraoral scanners

- Smooth and effortless workflow lets you concentrate on your patient
- Constant access to real-time scanning data
- Utilize additional screens on dental unit to achieve outstanding ergonomic working position
- Hands-free operation with wireless foot control
- Can be upgraded to any currently available Planmeca dental unit



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.

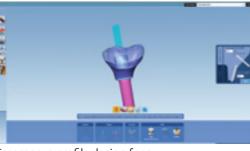
- · Extensive range of indications: crowns, abutments, inlays, onlays, veneers, and bridges
- User-friendly designing fast, easy, and carefree
- automatic saving
- automatic design: contact strength, anatomical shape, and minimum material thickness
- Option to modify anatomics manually after automatic designing
- Part of the Planmeca Romexis[®] software

Smooth usability and automatic design of restorations

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 abutments and manufacture them chairside with the Planmeca PlanMill[®] 40 S milling unit.

- Automatic alignment of scan body scans to the corresponding implant library information
- · Screw-retained, fully anatomical abutments on titanium bases
- · Option to create a two-piece restoration with an individual abutment and cemented suprastructure
- Tools for creating an optimal emergence profile and support for the suprastructure
- The software prevents the design of abutment geometries that conflict with the suprastructure's material integrity



Emergence profile design for a one-piece hybrid abutment

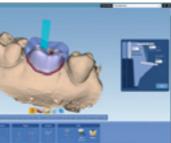
hybrid abutment and crown



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







Creation of a two-piece restoration:

Planmeca PlanMill[®]

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 For powerful and precise milling

- Fast milling speed two spindles, 80,000 RPM, and 8–10 minutes per restoration
- Automated tool changer for 10 tools

Planmeca PlanMill[®] 30 S Entry-level unit offers great value

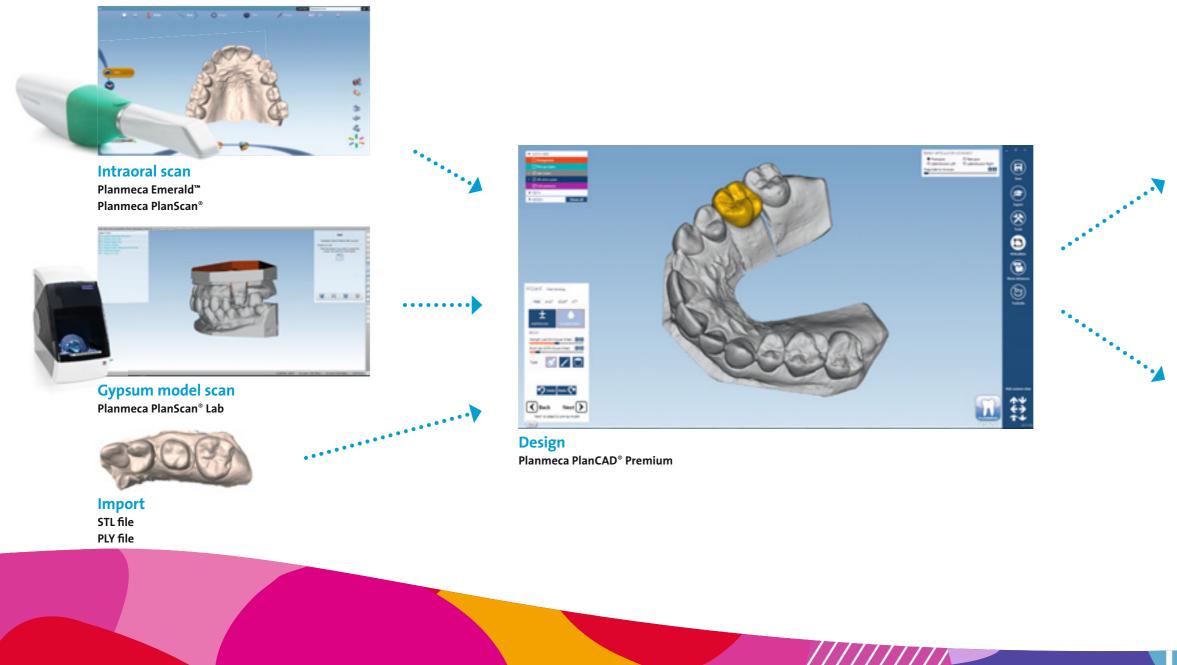
- High-speed single-spindle milling unit
- Approximately 16–18 minutes per crown
- · Rotary axis enables milling both sides of the block with a single spindle
- Automated tool changer for 5 tools



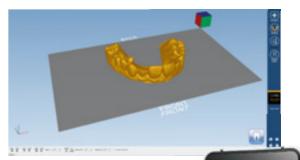


CAD/CAM for dental labs

The **Planmeca CADCAM[™] 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 and a maintenance free desktop scanner, sophisticated design software for a full range of indications, and an accurate 5-axis milling machine.







3D print Planmeca Creo™



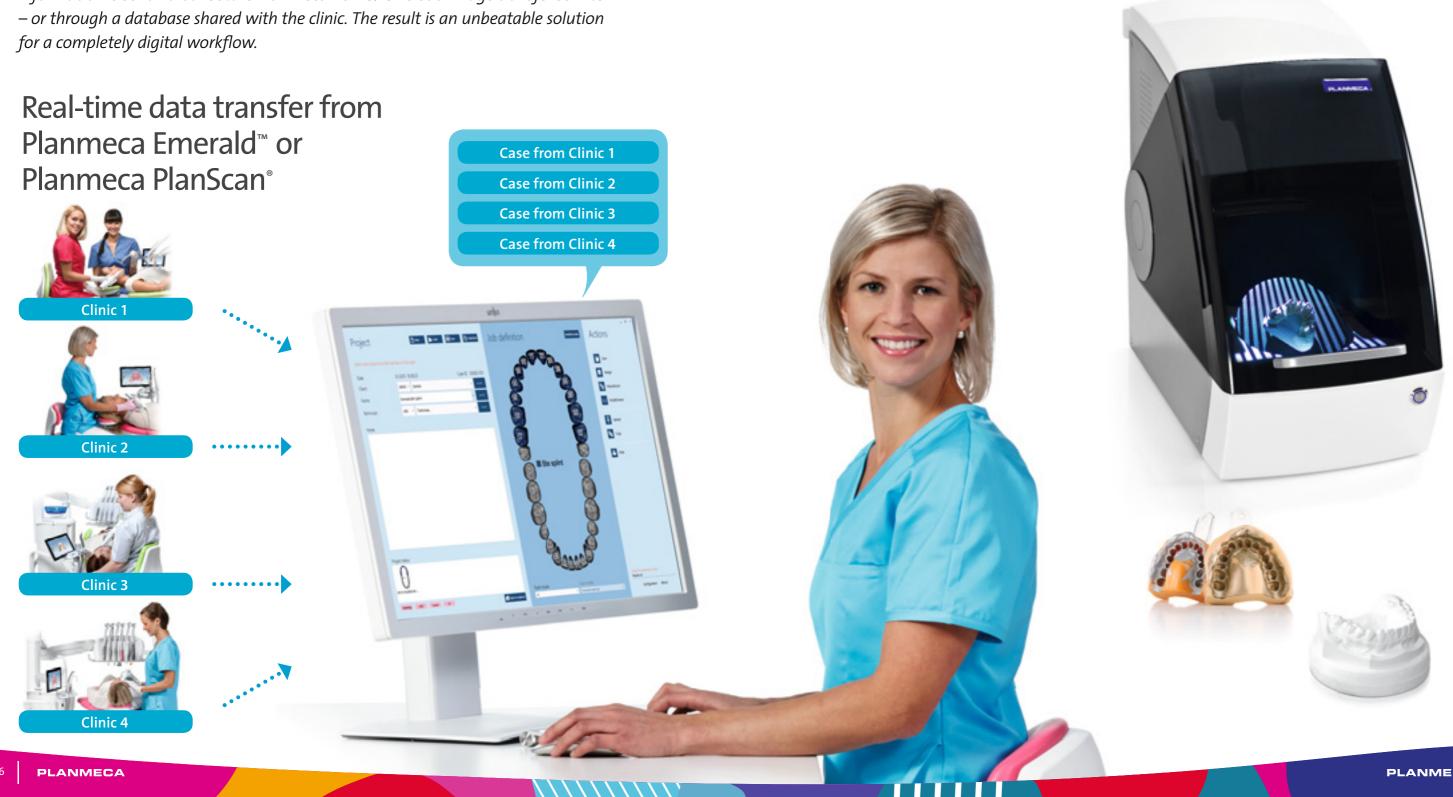


Planmeca intraoral scanners Receive data regardless of time and place

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

Planmeca PlanScan[®] Lab High-quality desktop scanner for gypsum models

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.



Planmeca PlanCAD[®] Premium

Perfect design software for prosthetic restorations

Our open **Planmeca PlanCAD**[®] **Premium** software for dental laboratories is an optimal tool for designing high quality restorations for a full range of indications.

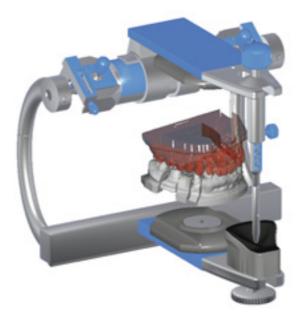


Highlights

- 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

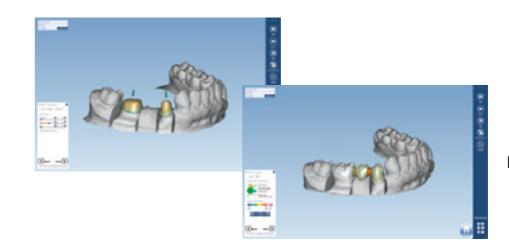






Open and easy workflow for flexible designing and manufacturing







Import a scan from Planmeca Emerald™, Planmeca PlanScan®, or Planmeca PlanScan® Lab

Design

Send to Planmeca PlanMill[®] 50 for manufacturing

Planmeca PlanMill[®] 50

5-axis milling unit for accurate and reliable results

Complete your digital workflow with the 5-axis Planmeca PlanMill[®] 50 milling unit. It is suitable for both wet and dry milling of discs and blocks. The unit's easy-to-use CAM software accepts STL files.

Planmeca Creo[™] 3D printer for creative minds

Planmeca Creo[™] is our precise 3D printer for creating a wide range of indications. It is an excellent tool for dental labs and large clinics aiming to expand their production capabilities and increase efficiency.

Materials

Discs

Zirconium Wax PMMA

Blocks

Ceramic materials Hybrid ceramic materials Resin-based materials Zirconium materials







Materials

Dental models Surgical guides

More materials coming soon!



PlanEasyMill[™] 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.

> AUTHORIZED MILLING PARTNER of ivoclar vivaden1:

Internet Merica

PlanEasyMill also offers 3D printed dental models based on digital impressions.



Technical specifications

PLANNECAFT®

Planmeca Emerald intraoral scanner

IndicationsInlays/onlaysVeneersCrownsBridgesFull archesScan bodiesModelsImpressionsIntegrated into a Planmeca dental unit or connected to a PC - Microsoft Surface Pro tablet integration coming soonData outputScans of lower and upper arches in occlusion exported as open STL filesScanning optionsTrue colourScanning tip1 option; removable, autoclave, sterilisableField of view (width x height)Actively heated tip, guaranteed non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB 3.0Light sourceRed, green, and blue lasersScanning technologyProjected pattern triangulationDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)WoightScanner body: 318 g (7 5 op)		
CrownsBridgesFull archesScan bodiesModelsImpressionsIntegrationIntegration connected to a PC – Microsoft Surface Pro tablet integration coming soonData outputScans of lower and upper arches in occlusion exported as open STL filesScanning optionsTrue colourScanning tip1 option; removable, autoclave, sterilisableField of view (width x height)Anti-fogging technologyActively heated tip, guaranteed non-fogging operation when used intraorallyCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasersScanning technologyProjected pattern triangulationDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)	Indications	Inlays/onlays
BridgesFull archesScan bodiesModelsImpressionsIntegrationIntegrationData outputScans of lower and upper arches in occlusion exported as open STL filesScanning optionsTrue colourScanning tipField of view (width x height)Anti-fogging technologyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasersScanning technologyProjected pattern triangulationDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)		Veneers
Full archesScan bodiesModelsImpressionsIntegrationIntegrated into a Planmeca dental unit or connected to a PC - Microsoft Surface Pro tablet integration coming soonData outputScans of lower and upper arches in occlusion exported as open STL filesScanning optionsTrue colourScanning tip1 option; removable, autoclave, sterilisableField of view (width x height)Actively heated tip, guaranteed non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasersScanning technologyProjected pattern triangulationDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)		Crowns
Scan bodiesScan bodiesModelsImpressionsIntegrationIntegrated into a Planmeca dental unit or connected to a PC - Microsoft Surface Pro tablet integration coming soonData outputScans of lower and upper arches in occlusion exported as open STL filesScanning optionsTrue colourScanning tip1 option; removable, autoclave, sterilisableField of view (width x height)Actively heated tip, guaranteed non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasersScanning technologyProjected pattern triangulationDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)		Bridges
ModelsIntegrationIntegrated into a Planmeca dental unit or connected to a PC - Microsoft Surface Pro tablet integration coming soonData outputScans of lower and upper arches in occlusion exported as open STL filesScanning optionsTrue colourScanning tip1 option; removable, autoclave, sterilisableField of view (width x height)17.6 x 13.2 mmAnti-fogging technologyActively heated tip, guaranteed non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasersScanning technologyProjected pattern triangulationDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)		Full arches
ImpressionsIntegrationIntegrated into a Planmeca dental unit or connected to a PC - Microsoft Surface Pro tablet integration coming soonData outputScans of lower and upper arches in occlusion exported as open STL filesScanning optionsTrue colourScanning tip1 option; removable, autoclave, sterilisableField of view (width x height)17.6 x 13.2 mmAnti-fogging technologyActively heated tip, guaranteed non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasersScanning technologyProjected pattern triangulationDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)		Scan bodies
IntegrationIntegrated into a Planmeca dental unit or connected to a PC - Microsoft Surface Pro tablet integration coming soonData outputScans of lower and upper arches in occlusion exported as open STL filesScanning optionsTrue colourScanning tip1 option; removable, autoclave, sterilisableField of view (width x height)17.6 x 13.2 mmAnti-fogging technologyActively heated tip, guaranteed non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasers Scanning technologyDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)		Models
Connected to a PC - Microsoft Surface Pro tablet integration coming soonData outputScans of lower and upper arches in occlusion exported as open STL filesScanning optionsTrue colourScanning tip1 option; removable, autoclave, sterilisableField of view (width x height)17.6 x 13.2 mmAnti-fogging technologyActively heated tip, guaranteed non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasers Scanning technologyDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)		Impressions
occlusion exported as open STL filesScanning optionsTrue colourScanning tip1 option; removable, autoclave, sterilisableField of view (width x height)17.6 x 13.2 mmAnti-fogging technologyActively heated tip, guaranteed non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasers Scanning technologyDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)	Integration	connected to a PC – Microsoft Surface Pro
Scanning tip1 option; removable, autoclave, sterilisableField of view (width x height)17.6 x 13.2 mmAnti-fogging technologyActively heated tip, guaranteed non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasers Scanning technologyDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)	Data output	
Field of view (width x height)17.6 x 13.2 mmAnti-fogging technologyActively heated tip, guaranteed non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasers Scanning technologyDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)	Scanning options	True colour
(width x height)Anti-fogging technologyAnti-fogging technologyCapturing speedCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasersScanning technologyProjected pattern triangulationDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)	Scanning tip	1 option; removable, autoclave, sterilisable
non-fogging operation when used intraorallyCapturing speedVideo capture displays over 36 3D data sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasers Scanning technologyDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)		17.6 x 13.2 mm
sets per secondCable interfaceUSB A type connection on the laptop end USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0Light sourceRed, green, and blue lasersScanning technologyProjected pattern triangulationDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)	Anti-fogging technology	non-fogging operation when used
USB C Type connection on the scanner end All cables are designed to transmit data via USB 3.0 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.)	Capturing speed	
All cables are designed to transmit data via USB 3.0 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.)	Cable interface	USB A type connection on the laptop end
USB 3.0 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.)		USB C Type connection on the scanner end
Scanning technologyProjected pattern triangulationDimensionsScanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)		
Dimensions Scanner with tip: 41 x 45 x 249 mm (1.6 x 1.8 x 9.9 in.)	Light source	Red, green, and blue lasers
(1.6 x 1.8 x 9.9 in.)	Scanning technology	Projected pattern triangulation
Weight Scappor body: 218 g (7.5 oz)	Dimensions	
	Weight	Scanner body: 218 g (7.5 oz)
Scanner tip: 17 g (0.6 oz)		Scanner tip: 17 g (0.6 oz)

Planmeca PlanScan[®] intraoral scanner

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 files
Scanning options	Colour and grayscale
Scanning tips	Removable, autoclavable, sterilisable
Field of view	Colour tip: 11.8 x 18.0mm
(width x height)	Size 2, Standard tip: 15.0 x 20.0 mm
	Size 1, Landscape tip: 12.7 x 9.2 mm
	Size 0, Portrait tip: 12.5 x 11.8 mm
Anti-fogging technology	Actively heated tip, guaranteed non-fogging operation when used intraorally
Capturing speed	Video capturing displaying over 10 aligned 3D data sets per second
Cable interface	Firewire 800 or Thunderbolt (via adapter)
Light source	Blue laser
Scanning technology	Projected pattern triangulation
Dimensions	Scanner with tip: 48 x 53 x 276 mm (1.9 x 2.1 x 10.9 in.)
Weight	Scanner body: 516 g (18 oz)
	Scanner tip: 28 g (1 oz)
Scanning software support	Windows 8.1 (64 bit) Pro
	Windows 10 (64 bit) Pro

.

Planmeca PlanCAD[®] Easy software

Indications	Inlays/onlays
	Veneers
	Crowns
	Bridges
	Abutments
Floating licenses	Scan license
	Design & Mill license
	Complete license (scan, design and mill)
	Mill only license
Operating systems	Windows 8.1 (64 bit) Pro
	Windows 10 (64 bit) Pro

Minimum PC system requirements

Computer	Laptop PC or desktop PC – Microsoft Surface tablet specifications coming later
Prosessor	Intel i7, 7th generation (7700 series) or better
RAM	16 GB
Graphics card	NVIDIA GeForce GTX 1060 4 GB or better
Monitor	Full HD resolution
Cable interface	USB 3.0
Operating System	Windows 10 (64 bit) Pro



Planmeca PlanMill[®] 40 S milling unit

Power requirements	100/240 VAC
Mains frequency	50/60 Hz
Power input	1000 W
Weight	72.6 kg (160 lbs)
Dimensions when closed (W x H x D)	661 x 455 x 508 mm (26 x 17.5 x 20 in.)
Minimum required	Sides 51 mm (2 in.)
clearances	Rear 51 mm (2 in.)
	Top 305 mm (12 in.)
Storage temperature	-40-70°C (-40-158°F)
Operating conditions	15–35°C (59–95°F)
	0–90% relative humidity
	maximum altitude 2000 meters (6,592 feet)
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 °C
	Total oil content (class 3); maximum oil content 1 mg/m³
Cooling lubricant tank	3.4
Tool Changer	10 tool positions, automated
Spindle	80 000 rpm
Data connection	Cat5 or Cat6 Ethernet cabling

Planmeca PlanMill[®] 30 S milling unit

0	
Power requirements	100/240 VAC
Mains frequency	50/60 Hz
Power input	1000 W
Dimensions when closed (W x H x D)	661 x 455 x 508 mm (26 x 17.5 x 20 in.)
Minimum required	Sides 51 mm (2 in.)
clearances	Rear 51 mm (2 in.)
	Top 305 mm (12 in.)
Storage temperature	-40-70°C (-40-158°F)
Operating conditions	15–35°C (59–95°F)
	0–90% relative humidity
	maximum altitude 2000 meters (6,592 feet)
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 °C
	Total oil content (class 3); maximum oil content 1 mg/m³
Cooling lubricant tank	3.41
Tool Changer	5 tool positions, automated
Spindle	80 000 rpm
Data connection	Cat5 or Cat6 Ethernet cabling

Planmeca CAD/CAMTM Lab

Planmeca PlanScan[®] Lab desktop scanner

	L
Dimensions when closed (W x H x D)	250 x 450 x 450 mm (9.8 x 17.7 x 17.7 in.)
Weight	20 kg (44 lbs)
PC	High performance desktop pc with monitor
Multi-die scanning	Yes
Calibration	Automated with a calibration plate
Scanning times	40 sec. full arch
Accuracy	5 microns
Light source	White light
Scanning technology	Structured light, 2 cameras
Scanning area	90 x 80 x 55 mm (3.54 x 3.15 x 2.17 in.)
Impression scanning	Yes
Software	Full integration with Planmeca PlanCAD® Premium
Export file format	STL, OBJ, OFF, PLY

Planmeca PlanCAD[®] Premium software

Soltware	
Import file format	STL, OBJ, OFF, PLY
Export file format	STL
Upgrades	Optional yearly upgrades
oftware modules	
Standard:	Crowns, copings, anatomical copings, monolithic restorations and frameworks
	Bridges
	Inlays, onlays & veneers
	Waxup-design
	Telescopic crowns
Additional: Abutment and	Custom abutments
implant bar/bridge module	(screw-retained & cemented)
	Implant bar & bridge design
<i>Additional:</i> Bite Splint module	Bite splints
<i>Additional:</i> Model Creator module	3D printed models
<i>Additional:</i> Provisional module	Provisional crowns and bridges
<i>Additional:</i> ZRS Tooth Library	An extensive library of natural teeth by Manfred Wiedmann
	•

Planmeca PlanMill[®] 50 milling unit

initing unit	
Power requirements	115/230 VAC
Mains frequency	50/60 Hz
Current	1.5/3.0 A
Nominal output	750 W
Dimensions when closed (W x H x D)	620 x 612 x 664 mm (24.4 x 24.1 x 26.1 in.)
Actuator type	Stepper motors
Control	IMC40
Protective cover	Pivoting cover (to be raised)
Guides	Precision steel guides in X, Y, Z axes
Ranges of motion	X axis: 150 mm / lead screw 5 mm
	Y axis: 115 mm / lead screw 5 mm
	Z axis: 90 mm / lead screw 5 mm
	A axis: 360 degrees
	B axis: 110 degrees
Air supply requirements	6–9 bar (with constant application)
	Minimum 60 l/min (2 cfm)
Cooling lubricant tank	2.51
Spindle	Jäger Spindle 60 000 rpm
Tool Changer	10 tool positions, automated
Operating conditions	Maximum altitude 2000 meters
Fuse (micro fuse 5x20 mm)	T10AH / 250V UL/CSA
CAM software	Automated toolpath calculation with Planmeca PlanCAM™ software



Planmeca Creo™ **3D printer**

Print technology	Digital Light Processing (DLP)
Resolution (XY)	68 μm, 1920 x 1080
Layer thickness	50 μm (possible to adjust between 5–200 μm)
Light source	LED
Guaranteed LED life	5,000 hours
Build volume	130 x 81.5 x 130 mm (5.1 x 3.2 x 5.1 in.)
AC input	100/240 V
Weight	30 kg (66 lbs)
Dimensions (W x H x D)	42 x 72 x 32 cm (16.5 x 28 x 12.5 in.)
Minimum required clearances	Front: 50 cm (19.7 in.) Sides: 10 cm (3.9 in.) Rear: 5 cm (2 in.) Top: 10 cm (3.9 in.)
Operating temperature	15–32 °C (60–90 °F)
Materials from	Planmeca

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

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Images may contain optional items not included in standard delivery. Available configurations and features may have country or area specific variations. Some products displayed above may not be available in all countries or areas. Rights for changes reserved.

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