Introducing Planmeca Emerald™ – our new intraoral scanner

31/2017 Planmeca Now newsletter for Planmeca distributors

Planmeca Emerald™ is our new ultra light, ergonomically designed, full-spectrum color scanner that delivers incredibly fast scan speeds with unmatched accuracy and detail. Available at a fraction of the long-term costs of most other scanners, Planmeca Emerald clearly stands out as the new crown jewel of intraoral scanning.

Planmeca Emerald – the crown jewel of intraoral scanning

Content

Availability

Planmeca Emerald: available now for orders through the Planmeca Export Sales department.

Consumables: available now for orders through the Planmeca Spare Parts department.

Further information

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Support and marketing material

New videos

on the Planmeca Vimeo channel >>

▶

Emerald Tip Connection >>

Connect Planmeca Emerald Cable with USB >>

Emerald Restorative Scanning >>

Emerald Full Arch Scanning >>

Emerald Boot Cleaning >>

Emerald Color Balancer >>

Brochure

in the Planmeca Material Bank >>

Planmeca Emerald™ >>

Images

in the Planmeca Material Bank >>

User's manual

in the Planmeca Material Bank >>

Planmeca FIT® >>

Specification

in Planmeca Dealer Support >>

Planmeca Emerald™ >>

Scan option for tablets coming soon!

Brilliant colour like no other – **Planmeca Emerald™** outshines the rest with 3-laser, full-spectrum rapid scanning that captures amazing life-like scans of the oral environment so fast you have to see it to believe it. Planmeca Emerald is incredibly accurate, capable of capturing every detail of the oral environment. The scanner's USB 3.0 portable plug-and-play connectivity allows using Planmeca Emerald on multiple workstations.

Scanner features

- Small, lightweight and ergonomic design – convenient to use

- Real-time, powder-free, quick scanning

- Smart two button function, no need to touch the computer while scanning patients

- Red, green, and blue laser technology with projected pattern triangulation guarantee accurate 3D models

- Interlock connection on the scanner's side for easy cable replacement

- No moving parts inside the scanner except a fan for cooling – no focal calibration needed

- The scanner can be used as a standalone or integrated into a Planmeca dental unit or simulation unit

- Actively heated tip guarantees non-fogging in intraoral use

Software features

- The scanning module allows 3D models to be trimmed and edited and their margins marked

- **Planmeca PlanCAD® Easy** for scanning and designing in **Planmeca Romexis®** software version 4.6.2.R or later

- Support for open STL and PLY file formats

- Scans and collects 3D data intraorally, impressions and models

- Fast surface recognition – easy to let patients rest and then continue

- The scanner works with laptop PCs for easy sharing

- Scan option for Microsoft Surface Pro tablets coming soon

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Technical specifications

Indications	Inlays
	Onlays
	Veneers
	Crowns
	Bridges
	Full arches
	Scan bodies
	Models
	Impressions
Integration	Integrated into a Planmeca dental unit or connected to a PC – Microsoft Surface Pro tablet integration coming soon
Data output	Scans of lower and upper arches in occlusion exported as open STL files
Scanning options	True colour
Scanning tip	1 option; removable, autoclave, sterilisable
Field of view	17.6 x 13.2 mm
Anti-fogging technology	Actively heated tip, guaranteed non-fogging operation when used intraorally
Capturing speed	Video capture displays over 36 3D data sets per second
Scanning technology	Projected pattern triangulation
Light source	Red, green, and blue lasers
Dimensions	Scanner with tip: 41 x 45 x 249 mm
	Scanner tip: 24.6 x 24.6 x 88.6 mm
Weight	Scanner with tip and cable: 335 g
	Scanner body: 218 g
	Scanner tip: 17 g
	Scanner cable: 120 g
Connecting cable	USB A type connection on the laptop end
	USB C Type connection on the scanner end
	All cables are designed to transmit data via USB 3.0
Use environment	Dental clinic or dental laboratory
Electrical ratings	5Vdc, 7.5W
Storage conditions	-20°C to +60°C (-4°F to 140°F)
Operating conditions	15°C to 28°C

Minimum PC system requirements

Computer	Laptop PC or desktop PC – Microsoft Surface Pro 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

Ordering Planmeca Emerald

Feature	Description	Instructions, comments
1. Scanners		
FE004221	Emerald scanner + PlanCAD Easy – Scan only lifetime subscription (not including laptop or PC)	Includes scanner, three scanner tips, scanner holder, lifetime single user subscription for PlanCAD Easy – Scan only.
FE004222	Emerald scanner + PlanCAD Easy – Scan + Design lifetime subscription (not including laptop or PC)	Includes scanner, three scanner tips, scanner holder, lifetime single user subscription for PlanCAD Easy – Scan + Design.
2. Planmeca PlanCAD Easy design software		
FE003678	Single user subscription for PlanCAD Easy – Design only	Floating design only subscription.
FE003603	Additional single user subscription for PlanCAD Easy – Design only	Floating design only subscription.
FE003598	5 users subscription for PlanCAD Easy – Design only	Floating design only multiuser subscription.
FE003599	10 users subscription for PlanCAD Easy – Design only	Floating design only multiuser subscription.
3. Upgrade from Scan only to Scan + Design		
FE003595	Upgrade from PlanCAD Easy – Scan only to PlanCAD Easy – Scan + Design	Upgrade from PlanCAD Easy – Scan only to PlanCAD Easy – Scan + Design, includes one year software updates.
7. Additional computer		
FE004229	Windows laptop for Emerald	ASUS ROG GL502VS-GZ227T (Intel i7 – 7700, 16 GB RAM, GeForce GTX 1070)
FE004230	Windows Desktop PC for Emerald	Dell Precision Tower 3620 (Intel i7 – 7700, 16 GB RAM, GeForce GTX 1060)
8. Export packing		
FE004231	Export packing for Planmeca Emerald	
9. CAD/CAM Warranty Programs		
FE003520	Extended third year warranty for Planmeca intraoral scanner	All extended warranties require that the product in question has been registered online. See Export News 8/2016.

Planmeca Emerald™ deliveries include one scanner, three scanner tips, a scanner holder, a colour balancer fixture, scanning software, installation usb sticks, and user's manuals.

Ordering consumables for Planmeca Emerald

30008038	Emerald color balancer fixture
30007954	Emerald tip
30010182	Emerald scanner cover boot
30007102	Holder for scanner
10037979	Table stand assembly for Emerald or PlanScan
30007955	Emerald USB3 cord 2m

Order from the Planmeca Spare parts department