



VIDEO

Do you have the need for speed? Here's a sneak peek of the Planmeca Emerald S scanner's hyper-speed intraoral scanning.



PLANMECA USA

Planmeca Emerald S

Planmeca's newest digital innovation takes intraoral scanning to the next level with scanning speeds twice as fast as its predecessor, new diagnostic capabilities, and improved usability for more efficient treatment workflows

Two years ago, Planmeca expanded its already extensive CAD/CAM portfolio to make room for the game-changing Planmeca Emerald intraoral scanner—a clever combination of small and lightweight design, fast scanning speeds, and superior accuracy. Although it may have seemed that digital scanning had finally reached its peak, Planmeca managed to raise the bar once again.

The Planmeca Emerald S is an enhanced version of the beloved Planmeca Emerald. In addition to offering speeds twice as fast as its predecessor, the Planmeca Emerald S features new diagnostic capabilities and improved usability. For example, a new scanning algorithm eliminates unwanted data automatically, while a unique shade assistant shows the correct tooth shade by hovering the mouse cursor over a scanned model. When the Emerald S is paired with Planmeca's intuitive design software, treatment planning becomes simple.



S is for Speed and Simplicity

For Dr. David Edelson, who provides a high volume of restorative treatment to patients in his Plainville, CT, practice—including implants, crowns, and veneers—the Planmeca Emerald S's portability and usability have been the biggest benefits to his digital treatment workflow.

"It's very lightweight and small—plus the SlimLine tip gives you better accessibility to tight spaces," he said.

Although he fabricates most restorations in-house with his Planmeca PlanMill 30S, Planmeca's open architecture makes it simple for Dr. Edelson to send digital scans out to a lab for milling restorations and creating custom implant abutments.

"In an implant case, I can quickly and easily send digital scan bodies, an impression post, and a scan post to the lab so they can build the abutment," he shared, adding that the result is accurate, single-visit restorations that fit extremely well.

**DR. EDELSON'S
TOP 5 PERKS OF THE
PLANMECA EMERALD S**



David Edelson, DMD, MAGD

- 1 Open architecture**
- 2 Lightweight and portable**
- 3 Autoclavable tips**
- 4 Fast and accurate**
- 5 Low cost of ownership**



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Jay Burton,
DMD

"The Planmeca Emerald S is of course faster—but the accuracy, sharpness, and color rendering of the digital file is extremely impressive, too."

"Portability is also a big benefit over some other scanners I've used. Its USB setup means you can have the software plugged into all your computers and easily walk from operatory to operatory with the scanner, without having to pull a cart around with you," said Dr. Edelson.

Digital Alignment

A Tennessee native, Dr. Jay Burton practices at SmileMaker Orthodontics, which has 2 locations in the Nashville area. While he and his assistants feel the Planmeca Emerald S's speed has been notable when taking full-arch scans, it's far from the scanner's only perk.

"The Planmeca Emerald S is of course faster—but the accuracy, sharpness, and color rendering of the digital file is extremely impressive, too," said Dr. Burton, adding that the upgraded scanner defines embrasures in greater detail.

For Dr. Burton, the S also stands for smooth, as he immediately noticed how fluid the Planmeca Emerald S is.

"With some intraoral scanners, there are times when it will catch or stop, so you have to go back to that location and start over," he said. "With the Emerald S, you rarely have to do that."

A Smoother Workflow

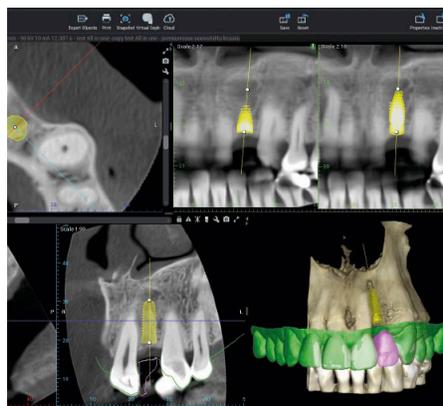
With smoother scanning comes a smoother workflow. Like many of his

orthodontic colleagues, Dr. Burton started off taking physical impressions that he would send out to be digitized. About 4 years ago, he started saving time by digitizing study models himself with CBCT. To speed up treatment even more, he decided to add an intraoral scanner to his practice.

Delivering an appliance with bands is typically a 4- to 6-week process that involves fitting the patient with the bands, sending a physical impression to the lab, and placing separators—all before delivering the appliance. The Planmeca Emerald S has changed all that.

"With the Emerald S, I take the scan, send the STL file to the lab, have the patient come back 1 week before delivery to place separators, and then deliver the appliance," he shared. "Because the band is digitally fitted, it saves me a full appointment slot on every single patient—not only opening up more time to treat other patients, but making the entire process more convenient."

Combined with a 3D printer, the Planmeca Emerald S allows Dr. Burton to fabricate in-house aligners and, in some cases, same-day aligners for his patients—something he never imagined being able to do just 5 years ago.



Advanced design software offers intuitive tools for planning, sharing, and carrying out restorative, orthodontic, and implant cases.



A unique shade assistant feature automatically shows the correct shade when the mouse cursor is hovered over a scanned model.

"The nice thing about doing in-house aligners is that it took my turnaround from 4 to 6 weeks down to a couple of days," he said. "The speed at which I'm able to deliver care has increased significantly."

Open and Honest By Design

As Planmeca continues to raise the bar on what we should expect from our CAD/CAM and digital treatment solutions, we should expect more tools to emerge that offer simple operation, intuitive design, and a low cost of ownership.

"Other scanners hit you with monthly subscription fees, plus fees to export an STL file," said Dr. Burton. "Planmeca doesn't do that, so the cost of ownership over 3 to 5 years is much lower."

In addition to a low cost of ownership, open architecture ensures that digital files from Emerald scanners can be opened by any program that reads STL or PLY files—allowing for free and easy scan sharing.

Dr. Edelson appreciates that he can use the Planmeca Emerald S scanner with other technologies in his practice.

"True open architecture alone makes it a no-brainer for the digital world moving forward," he shared. "The Planmeca Emerald S scanner will transform your practice in every way."