J5 DentaJet

Load one tray
and walk away.

stratasys

Brochure

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The Stratasys J5 DentaJet™ may be small, but it's a powerful tool for dental labs. With a small footprint and a large-capacity rotating print tray, the newest addition to the Stratasys Dental family is designed to maximize efficiency. In a single mixed-tray print, create more dental parts with significantly less handling — all with the precision, accuracy and realism you can expect from Stratasys and PolyJet Technology™.

Harness the power of color.

- Increase patient acceptance of case presentations — show your patients how their treatment will look before starting work.
- Leverage full-color capability to differentiate your lab, improve workflow and tracking, and communicate more information.
- Reduce C&B remakes with the only dental printer able to create highly realistic replicas of the patient's mouth.

Quality, made compact.

Decrease your footprint and increase productivity.

Small enough to fit in small and medium sized labs but designed with a larger print tray to create more parts in a compact, lab-friendly environment.

Simplify production and reduce manual labor.

Unattended operation, fewer changeovers, less touch-time to load and minimal post-processing reduces manual labor while maximizing output.

Reduce the number of printers you need and cut costs with mixed trays.

The DentaJet is like having three printers in one. Use different materials in a single job. Print an implant case with a rigid opaque model together with a soft gingiva mask and a biocompatible transparent surgical guide, or print an RPD framework in a castable material together with the patient model.

Unmatched quality and accuracy

The DentaJet is designed with a unique 360° print tray to create more highly accurate, full-color, parts from different materials — in a single print — without sacrificing patient-specific accuracy.

A dental solution to suit every need.

Orthodontics.

Cut days off delivery times and produce more accurate, comfortable and effective orthodontic appliances.

- Go straight from intraoral scan to in-house production with a seamless digital workflow.
- Simplify the production of acrylic orthodontic devices such as Hawley Retainers with Separator Digital Material, which coats models, easing the separation of the acrylic device from the model and making the removal of wax and acrylic residues easy — saving you up to three minutes per model in manual labor and resulting in better surface quality for both the orthodontic device and model.
- 3D print indirect bonding trays or produce full color study models.

Implantology.

Simplify the complexity of implantology and maximize production.

- Print opaque and rigid implant models, biocompatible and transparent surgical guides and soft gingiva masks — all on one tray — in a single unattended print job.
- Print as many as 41 implant cases* per day with only two trays.

Removables.

Speed, precision, and customization that outperforms traditional dentistry.

- Replace traditional hand wax-ups and automate the process of cast chrome partials — significantly reducing manual labor.
- Boost productivity by printing models and RPD frameworks on a single, mixed-tray — print up to 26 cases** per day with only two trays.
- Reduce patient visits and resets with precise frameworks — denture and partial try-ins are produced in less time with smooth, biocompatible materials.

Crown and Bridge.

Accelerate your business with end-to-end solutions.

- Produce a large volume of precise models in high-resolution materials increasing your lab capacity.
- Eliminate delays and inaccuracies of manual labor, enabling faster production and higher-quality crown and bridge models with fewer remakes.
- Enable dentists to seat crowns and bridges in a matter of minutes, minimizing chair time and allowing them to see more patients per day.

* One case equals a full arch model, opposite side, surgical guide and gingiva mask.
** One case equals RPD framework and model.

3D printing workflow, simplified.

Increase production, reduce print time and streamline your 3D print workflow with GrabCAD Print™ software.

- Easy-to-use and minimal training is required.
- Add multiple printers on the same network.
- Automatically correct files — no need to pull in third party software.
- Increase production and significantly reduce print time with automatic tray arrangement.
- Calculate the time and material resources needed for production before printing.
- Modify colors to create unique and highly realistic models.
- Schedule and monitor the print job remotely from your mobile device or browser.
- Get automatic alerts remotely when the job is printing and finished.

Small footprint, big impact

The J5 DentaJet™ professional-grade printer delivers unmatched quality, reliability and productivity — all within a small footprint.

- Realistic, patient-specific models enable better clinical outcomes and facilitate better communication between the lab, the clinic and the patient.
- Multiple materials printing supports a wide variety of parts on the same production run.
- Print in multi-materials on the same build tray, maximizing productivity and throughput.
- Requires less manual labor, post-processing and handling due to high volume unattended operation and Separator Digital Materials.
- Seamless digital workflow with remote capabilities saves time and prevents errors.

See
the specs.

Product Specifications	
Model Materials	Biocompatible materials: ☐ Biocompatible Clear MED610™ ☐ VeroGlaze™ (MED620) ☐ Flexible clear biocompatible material MED625FLX™ Vibrant colors including: ■ VeroCyanV™ (RGD845) ■ VeroMagentaV™ (RGD852) ■ VeroYellowV™ (RGD838) ☐ VeroDent™ PureWhite (DEN847)
Digital Model Materials	Unlimited number of composite materials including: • Over 500,000 colors • Separator Digital Material
Support Materials	SUP711™ (Waterjet removable)
Max Part Size/Printing Area	140 x 200 x 190mm (5.51 x 7.87 x 7.48 in.) Up to 1.174cm^2
Layer Thickness	Horizontal build layers down to 18 microns (0.0007 in.)
Network Connectivity	LAN – TCP/IP
System Size and Weight	651 x 661 x 1511mm (25.63 x 26.02 x 59.49 in.); 228 kg (503 lbs.)
Operating Conditions	Temperature 18 – 25 °C (64 – 77 °F); relative humidity 30 – 70% (non-condensing)
Power Requirements	100 – 240 VAC, 50 – 60 Hz, 10A, 1 phase
Regulatory Compliance	CE, FCC, EAC
Software	GrabCAD Print
Build Modes	High Quality Speed (HQS) – 18.75µm

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