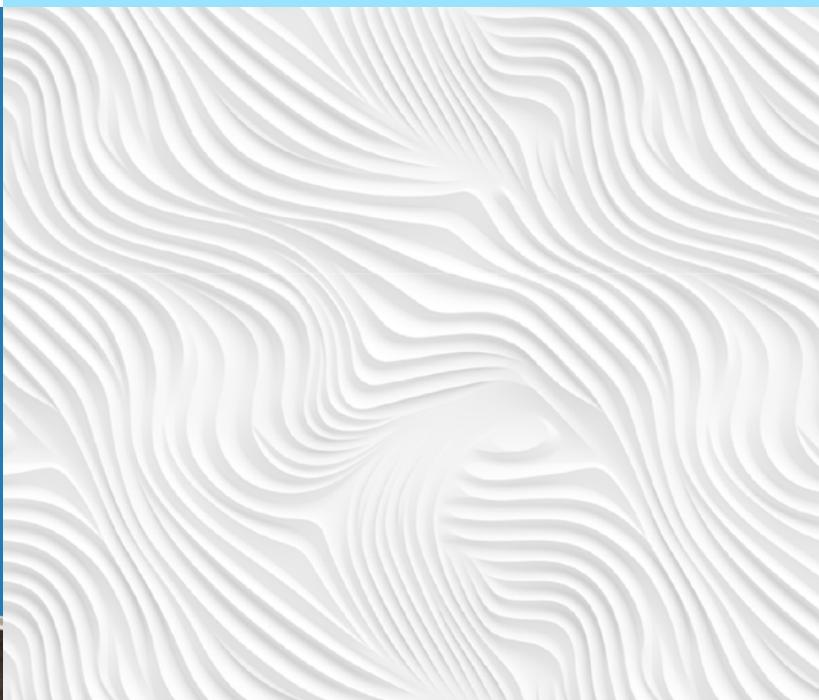




BROCHURE
DENTAL

DentaJet[®] Series

Multi-material 3D Printing
Powered by PolyJet[™] Technology





Stratasys DentaJet Series

PolyJet 3D Printing Technology

Level up your production capacity

Leverage Stratasys' smart digital workflow, multi-material unattended printing, and minimal post-processing to increase output while producing high quality dental parts. PolyJet 3D printing technology delivers key advantages for a wide set of dental applications, such as extreme accuracy for implantology cases, best in class aesthetics for removables, realistic color models, and flexibility to support your production needs with high volume, mixed-tray printing.



The DentaJet Series

Stratasys DentaJet® professional-grade, multi-material dental printers are designed to address the evolving production needs of your dental lab.

- **Print in multiple materials simultaneously**
Produce a wide variety of parts in the same job, maximizing productivity and throughput.
- **Harness the power of color**
Achieve the highest degree of realism with a full-color, monolithic 3D printing process.
- **Level up production**
High-volume unattended operation saves time and requires less manual post-processing.
- **Achieve precision accuracy**
High resolution droplet printing and full curing during the print process eliminate post processing distortions for unrivaled accuracy.
- **Safer working environment**
The closed cartridge system eliminates uncured resin handling. Operators simply load one tray and walk away.



Peace of Mind with Dental Priority Service and Support

Get priority customer service and support for all your DentaJet® 3D printers, including:

- Guaranteed fast response
- Short resolution time
- Preventive maintenance including proactive hardware and software updates
- Backup printing
- Parts replacement
- Discounted training courses and print heads

We know you'd rather be working than waiting for support. That's why we work proactively to prevent problems from occurring in the first place. And if they do, we guarantee a quick response and resolution to keep your business running smoothly.



Best-in-Class Solution for Key Applications

Implantology

Simplify the complexity of implantology case production. Print highly accurate opaque and rigid implant models, transparent surgical guides, and soft gingiva masks— all on one biocompatible tray – in a single, unattended print job.

TrueDent® Dentures

Achieve premium aesthetics, true-to-design fidelity and exact reproducibility with full-color, monolithic dentures that require zero assembly. Expand and scale with TrueDent resin, an FDA-cleared (Class II) and CE-marked (Class IIa) medical device indicated for the fabrication of dental appliances including full and partial dentures on the J5 DentaJet.

Crown and Bridge

Produce a large volume of high quality crown and bridge models with fewer remakes. Leverage realistic color models using 3Shape's color workflow to improve color matching of restorations with increased accuracy.

Orthodontics

Increase your lab's capacity by offering 3D printed indirect bonding trays or producing clear aligners from 3D printed arches in high-speed mode.



Powered by PolyJet™

PolyJet 3D printing technology pioneered by Stratasys is ideal for producing multi-material mixed trays and applications requiring high accuracy as well as full color realism. The DentaJet series is designed with Polyjet technology to eliminate the need for dental laboratories to run multiple 3D printers, each intended only for a specific application.

How it works

PolyJet printers create models through a similar process to that used by inkjet printers, but instead of jetting ink, the printers jet layers of curable liquid photopolymer (resin) onto a build tray.

The printer is loaded with several resins at the same time, each intended for a different application with diverse material properties. The print heads work in tandem to print different dental parts simultaneously.

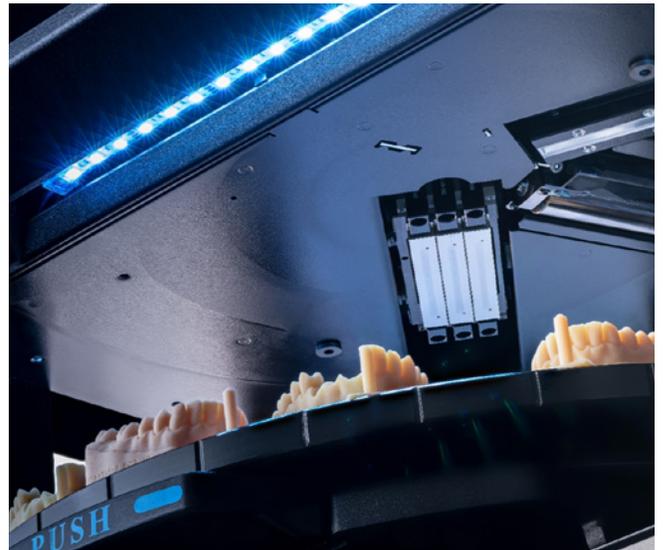
Each layer of curable liquid photopolymer is hardened with UV light before the next layer is laid. Layer thickness can be as thin as 0.019 mm, allowing the technology to produce complex geometries and intricate details that result in highly aesthetic, extremely accurate applications like crown and bridge models, implant models, and surgical guides. PolyJet technology can also print thicker layers, and by doing so, increase throughput for applications requiring less accuracy.

Print in color

To print in color, the printer is loaded with 5 primary color resins. Each print head jets the correct color in the desired location on the part creating the desired shade or hue. This allows the printer to create parts with full color gradients and smooth color transitions ideal for color models, monolithic dentures, or temporaries.

Drive efficiency

The sizable print tray enables high-volume output in large batches. Unattended printing allows for much more efficient equipment and personnel utilization without costly automation add-ons. PolyJet printers are unique in that the operator does not come into contact with uncured resin, ensuring a safer and cleaner working environment.





Full 3D Printing **Workflow**

Streamline your 3D print workflow for all Stratasys printers with the GrabCAD Print™ software platform and integrations with leading Dental CAD platforms such as 3Shape and exocad.

- **Get started fast**
Intuitive and easy to use, requiring minimal training.
- **Manage the fleet**
Organize 3D printing jobs on all your Stratasys printers (PolyJet and P3™).
- **Arrange trays automatically**
Automatic nesting and support generation simplify pre-production.
- **Harness a color workflow**
Shade selection exported from 3Shape Dental System and assigned automatically.
- **Analyze performance**
Monitor material usage and utilization of your printer with in-depth reports and dashboards.
- **Print from anywhere**
Schedule and monitor prints remotely.



Get to know the DentaJet® Multimaterial Series

The DentaJet series is designed to reduce costs, maximize efficiency, and create more dental parts with less handling – all with the precision, accuracy, and realism you can expect from Stratasys.



J3 DentaJet®

Precision and versatility.

Print up to 3 materials simultaneously. Add capacity while delivering on quality and accuracy.



DentaJet XL®

Precision at scale.

Empowers high volume dental labs to efficiently increase production and unlock growth.



J5 DentaJet®

Precision in color.

Harness the power of color for TrueDent monolithic dentures and realistic color models.



	J3 DentaJet®	DentaJet® XL	J5 DentaJet®
Applications	<ul style="list-style-type: none"> • Models: C&B, implant, orthodontic, removable, maxillofacial • Surgical guides • Gingiva masks • Indirect bonding (IDB) trays • RPD frameworks • Custom impression trays • Try-ins 	<ul style="list-style-type: none"> • Clear aligner arches • Models: C&B, implant, orthodontic, removable, maxillofacial • Surgical guides • RPD frameworks • Custom impression trays • Try-ins 	<ul style="list-style-type: none"> • TrueDent dentures and dental appliances • Full color realistic dental models • Models: C&B, implant, orthodontic, removable, maxillofacial • Surgical guides • Gingiva masks • Indirect bonding (IDB) trays • RPD frameworks • Custom impression trays • Try-ins
Materials	<ul style="list-style-type: none"> • MED610™ Bio-compatible • VeroGlaze™ (MED620) • MED625FLX™ Flexible biocompatible material • VeroDent™ PureWhite • VeroMagenta™V 	<ul style="list-style-type: none"> • MED610™ Bio-compatible • VeroGlaze™ (MED620) • VeroDent™ PureWhite 	<ul style="list-style-type: none"> • MED610™ Bio-compatible • VeroGlaze™ (MED620) • MED625FLX™ Flexible biocompatible material • VeroDent™ PureWhite • VeroVivid™ Colors Cyan/Magenta/Yellow • TrueDent™ Cyan/Magenta/Yellow/ White/Clear
Support material	SUP711S™	SUP711S™	SUP711S™ TrueDent™ Support
Max materials	3	2	5
Software	GrabCAD Print™	GrabCAD Print™	GrabCAD Print™
Cartridge capacity	1.1 kg	4 kg	1.1 kg
Tray size and area	Round Print Tray with up to 1,174 cm ²	Round Print Tray with up to 1,174 cm ²	Round Print Tray with up to 1,174 cm ²
System size & weight	651 x 661 x 774 mm (25.63 x 26.02 x 30.48 in.); 98 kg (216 lbs.)	651 x 661 x 1511 mm (25.63 x 26.02 x 59.49 in.); 199 kg (439 lbs.)	651 x 661 x 1511 mm (25.63 x 26.02 x 59.49 in.); 228 kg (503 lbs.)
Technology	PolyJet™	PolyJet™	PolyJet™



Make Additive Work for You™

For more than 30 years, Stratasys has been the global leader in 3D printing, serving countless industries. With a long track record of proven technology and ongoing innovation, Stratasys Dental brings the best of 3D printing to in-demand dental applications—propelling our customers to the forefront of digital dentistry.

With Stratasys Dental as a strategic partner, you can focus on streamlining operations, optimizing resources, and growing your business.



[stratasys.com](https://www.stratasys.com)

ISO 9001:2015
ISO 13485:2016

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