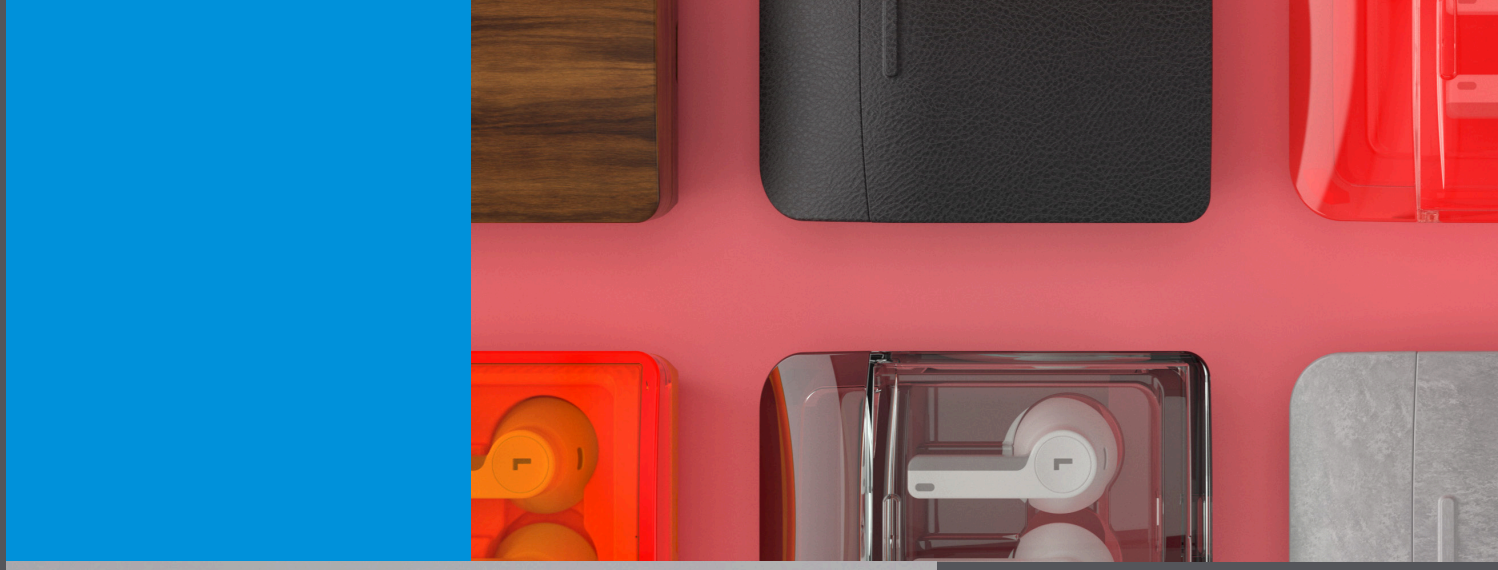


Design Without Limits

Prototype With Stratasys J8 Series 3D Printers

Brilliant designs shouldn't have limitations. Realize and elevate your ideas more quickly and precisely with Stratasys® J826™, J835™ and J850™ 3D printers — designed for all who design.

stratasys

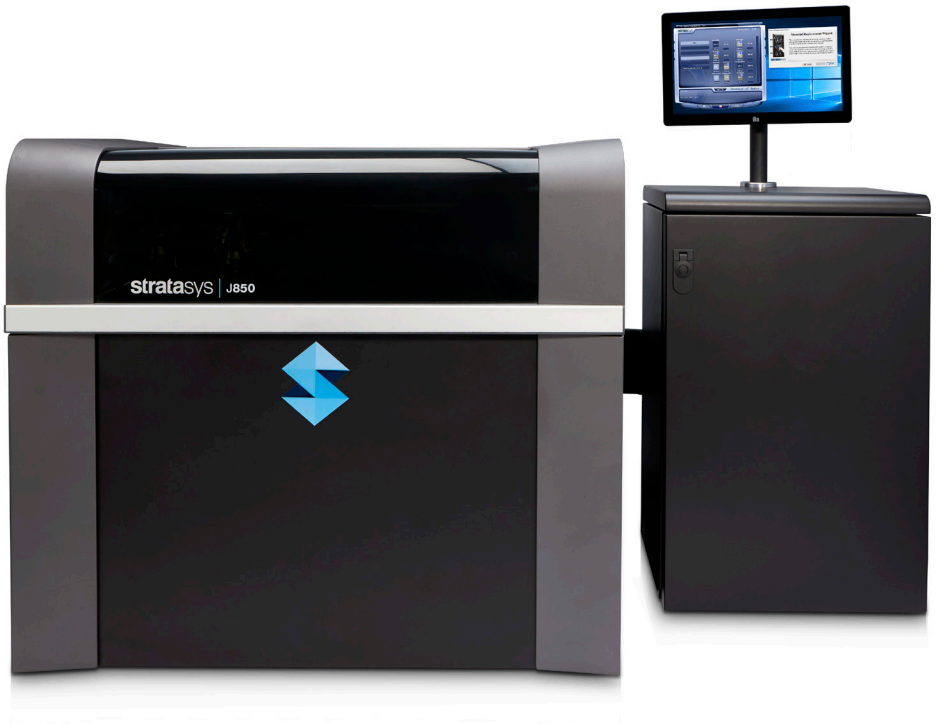
Brochure

Explore More
Through Iteration

In the time it takes to make a single prototype using traditional methods, you can get 5x more design iterations with a J8 Series 3D printer.

The large, seven-material capacity allows you to load your most-used resins and avoid downtime associated with material changeovers. Plus, you can print each design alternative quickly with the Super High Speed draft mode on the J835/J850 and the High Speed print mode on the J826.

This accelerated workflow enables you to design, test and refine in a matter of days, not weeks.



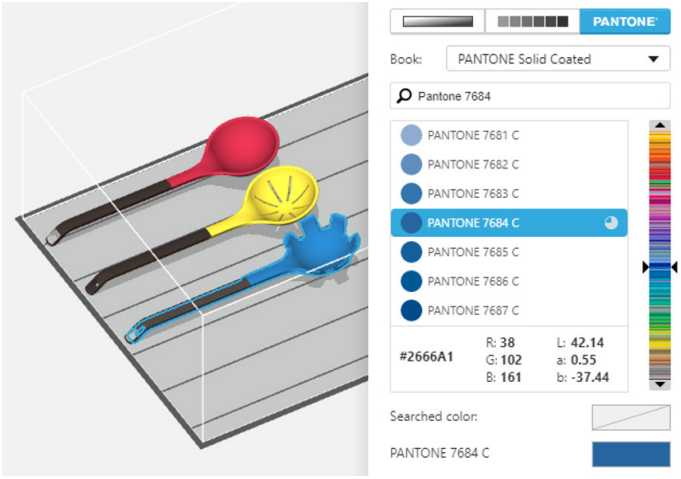
Make Smarter Design Decisions

Better communicate ideas to internal stakeholders with more realistic prototypes. The J8 Series allows you to 3D print full-color models in 20% of the time of traditional models. This leads to quicker decisions and approvals, helping you get to market faster while still achieving the same number of design iterations — if not more.

Communicate
With Reality

Create prototypes that looks and feel like the finished product. The J8 Series can produce more than 500,000 distinguishable color combinations, print seven resins simultaneously and provide multimaterial capabilities that bring even the most imaginative ideas to life — allowing you to make more accurate design decisions earlier in the process.

From product design and medical devices to applying concepts learned in the classroom, J8 Series printers help you realize any number of design ideas. Simulate a variety of realistic textures or use transparent materials to achieve more realistic finish for your prototypes.



Pantone Color selection in GrabCAD Print.

Power Designs With Color

Improve the speed, efficiency and color fidelity of your prototypes by 3D printing with PANTONE® colors. As PANTONE Validated™ 3D printers, the J8 Series enables you to match Stratasys CMYK colors to more than 1,900 printable PANTONE Colors, Solid Coated and SkinTones™.

Lower the Cost to Create

In general, prototyping with 3D printing is more cost effective than traditional methods and eliminates the need to outsource or hire specialized experts. You can also lower prototyping costs by more than 80% compared to traditional methods.

Prep Files for a Successful Print

Streamline your workflow with GrabCAD Print™ software. GrabCAD Print lets you print directly from your favorite professional CAD formats, avoiding time usually spent converting and fixing STL files. You can also get detailed previews of your model, tray and slice so you can make adjustments before going to print. And the smart default settings, tooltips and notifications will help guide you through a seamless printing process.

Learn more about GrabCAD Print at **grabcad.com/print**

80%

80% Lower Cost to Prototype*

5x

Make design iterations 5x faster*

* Versus traditional methods of prototyping.

Start Refining at an Earlier Stage

The speed, accuracy and repeatability of the J8 Series gives you more time to refine form, fit and functionality. As a result, you'll be able to iron out potential issues ahead of time, reducing mistakes at the manufacturing stage.

Design to Impress

Achieve unprecedented combinations of color, transparency and flexibility in a single print by leveraging multimaterial capabilities and the virtually endless possibilities of PolyJet™ materials.

Achieve Transparency

Use VeroUltraClear™ [1] to 3D print translucent parts or combine with colors to create stunning transparent shades.

Enhance the Vibrancy

Achieve a near match for fit, form, color and texture during rapid prototyping with VeroVivid™ multicolor materials.

Concept in Grayscale

Produce low-cost concept models that simulate the appearance of production parts with DraftGrey™.

Create Flexible Parts

Use the Agilus30™ material family to create flexible parts and prototypes that can flex, bend and elongate.

[1] - VeroUltraClear will be added to the J826 in 2020.

See the Specs

J8 Series Product Specifications

Model Materials	• Vero™ family of opaque materials including neutral shades and vibrant VeroVivid™ colors • Agilus30™ family of flexible materials • Transparent VeroClear™ and VeroUltraClear[1]
Digital Model Materials	Unlimited number of composite materials including: • Over 500,000 colors • Digital ABS Plus™ and Digital ABS2 Plus™ in ivory and green • Rubber-like materials in a variety of Shore A values • Translucent color tints
Support Materials	SUP705™ (water jet removable) SUP706B™ (soluble)
Build Size	J826: 255 x 252 x 200 mm (10 x 9.9 x 7.9 in.) J835: 350 x 350 x 200 mm (13.8 x 13.8 x 7.9 in.) J850: 490 x 390 x 200 mm (19.3 x 15.35 x 7.9 in.)
Layer Thickness	Horizontal build layers down to 14 microns (0.00055 in.) 55 microns (0.002 in.) in Super High Speed[2] mode
Workstation Compatibility	Windows 10
Network Connectivity	LAN — TCP/IP
System Size and Weight	**J826 System:** 820 x 1310 x 665 mm (32.28 x 51.57 x 26.18 in.); 234 kg (516 lbs.) **J826 Material Cabinet:** 1119 x 656 x 637 mm (44 x 25.8 x 25.1 in.); 153 kg (337 lbs.) **J835/J850 System:** 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.) **J835/J850 Material Cabinet:** 1119 x 656 x 637 mm (44 x 25.8 x 25.1 in.); 153 kg (337 lbs.)
Operating Conditions	Temperature 18 – 25 °C (64 – 77 °F); relative humidity 30-70% (non-condensing)
Power Requirements	100–120 VAC, 50–60 Hz, 13.5 A, 1 phase 220–240 VAC, 50–60 Hz, 7 A, 1 phase
Regulatory Compliance	CE, FCC
Software	GrabCAD Print
Build Modes	High Quality: up to 7 base resins, 14-micron (0.00055 in.) resolution High Mix: up to 7 base resins, 27-micron (0.001 in.) resolution High Speed: up to 3 base resins, 27-micron (0.001 in.) resolution Super High Speed[2]: 1 base resin, 55 micron (0.002 in.) resolution
Accuracy	**For J826:** Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – ±100µ; above100 mm – ±200µ. **For J835 and J850:** Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – ±100µ; above 100 mm – ±200µ or ± 0.06% of part length, whichever is greater.

[1] - VeroUltraClear will be added to the J826 in 2020.
[2] - Not available on the J826.

Dream It.
Print It.

Contact Us Today.

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