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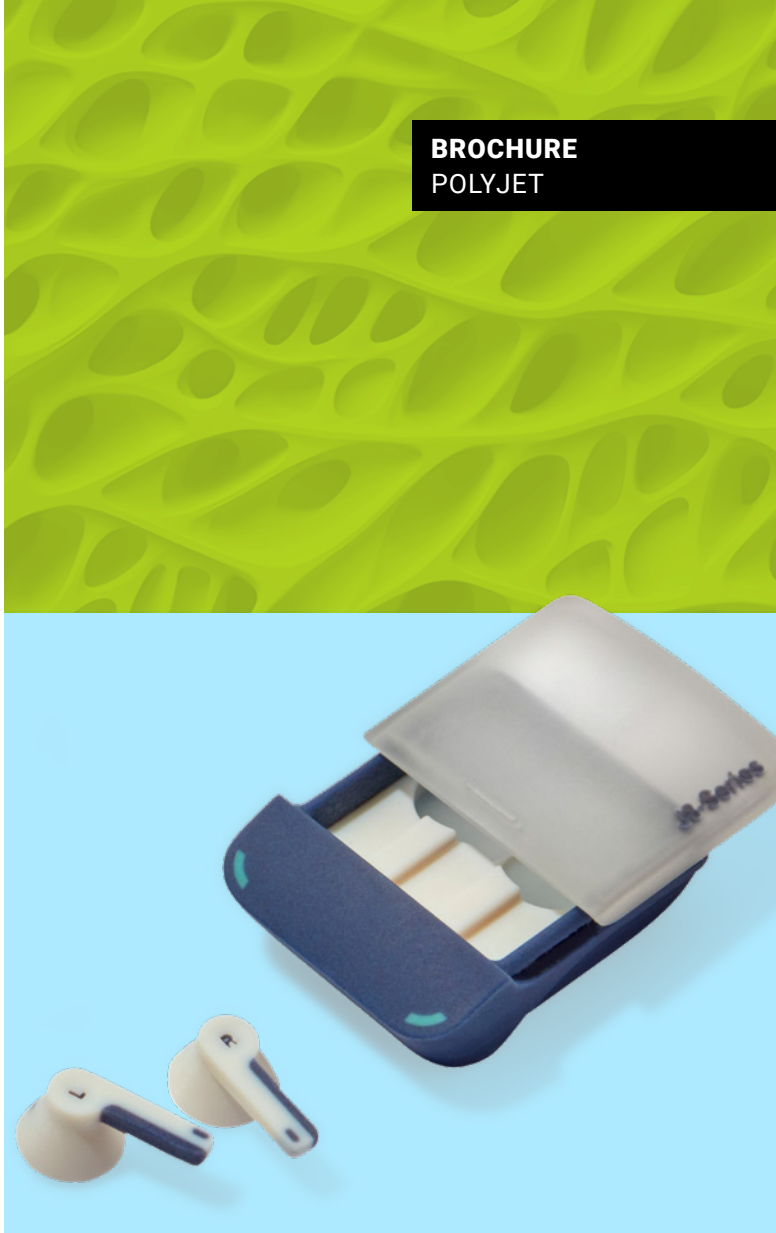
alphacam
SOLUTIONS FOR A 3D WORLD®

BROCHURE
POLYJET

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™ Prime and J850™ Pro/Prime 3D printers — designed for all who design.





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 J850 Pro/Prime and the J826 Prime.

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 J826 Prime and J850 Prime allow you to 3D print full-color models in 20% of the time taken to produce 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.



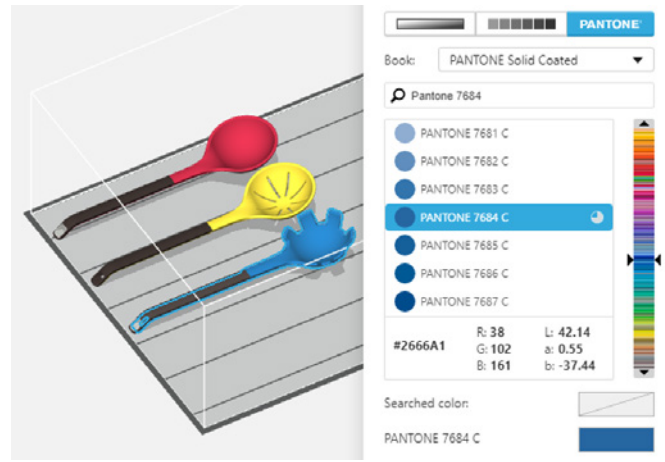
Communicate With Reality

Create prototypes that look and feel like the finished product. Both the J826 Prime and J850 Prime 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.

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 J826 Prime and J850 Prime enable you to match Stratasys CMYK colors to more than 1,900 printable PANTONE Colors, Solid Coated and SkinTones™.



↑ Pantone Color selection in GrabCAD Print.





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. 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 most used design software, and accepts file formats including 3MF, OBJ/VRML, STEP and various native CAD formats. You can also get detailed previews of your model so you can make adjustments before going to print. And regularly updated smart default settings such as texture recognition, tooltips and notifications will help guide you through a seamless printing process.

GrabCAD Printer Connectivity

Connect your PolyJet Printers into the software systems you use to manage your production process. GrabCAD Printer Connectivity integrates Stratasys PolyJet printers with enterprise applications such as ERP, BI, and Digital Rights Management. It also enables communication with MES systems to enable automation and production data collection, in addition to analytics.

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.

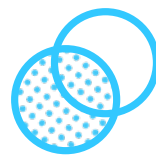


Start Refining at an Earlier Stage

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 VeroUltra™ Clear 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 rapidly advance the first stages of the design process with DraftGrey™.



Create Flexible Parts

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



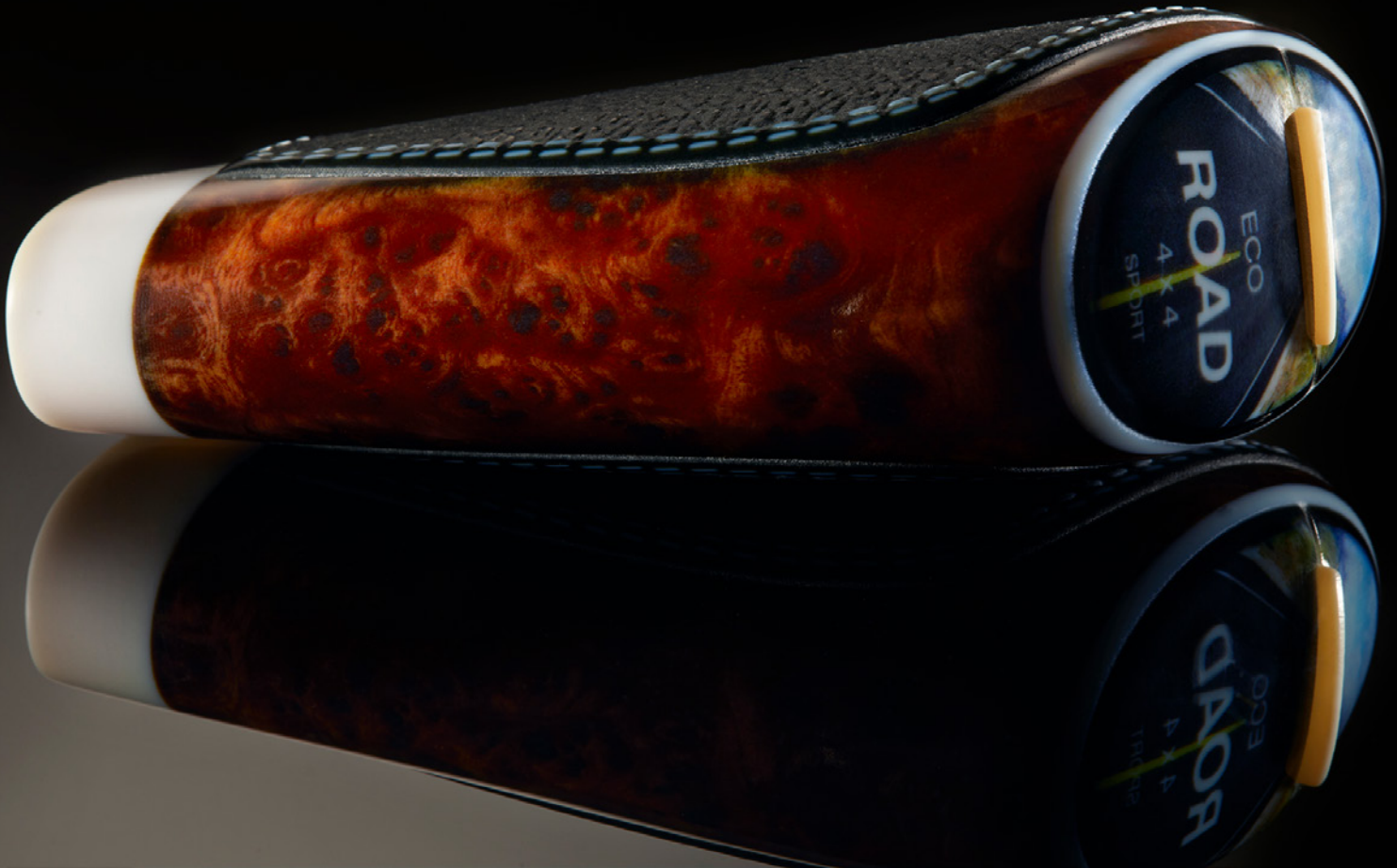
See the Specs

J8 Series Product Specifications	
Model Materials	• Tough: ToughONE™ for excellent impact resistance and flexibility • Rigid Opaque: Vero family including natural and color shades and VeroUltra opaque materials in black and white. • Rigid Transparent: Vero Vivid family that includes VeroCyanV, VeroMagentaV, VeroYellowV • Rubberlike: Agilus family of flexible materials • Transparent: VeroClear and VeroUltraClear • Bio-compatible: Vero ContactClear • DraftGrey
Digital Model Materials	Unlimited number of composite materials including: • ToughONE™ Reinforced for high dimensional stability • Over 500,000 colors • Digital ABS Plus and Digital ABS2 Plus in ivory • Rubberlike blends in a variety of Shore A values • Translucent color tints • Opaque Colors
Support Materials	SUP705 (water jet removable) SUP705B SUP706B (soluble)
Build Size	J826 Prime: 255 x 252 x 200 mm (10 x 9.9 x 7.9 in.) J850 Pro/Prime: 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 ¹ mode
Resolution	X Printing Resolution: 2400 DPI (HQ mode: 1200 DPI) X Slicing Resolution: 600 DPI Y Printing Resolution: 300 DPI
Workstation Compatibility	Windows 10
Network Connectivity	LAN – TCP/IP
System Size and Weight	J826 Prime System: 820 x 1310 x 665 mm (32.28 x 51.57 x 26.18 in.); 234 kg (516 lbs.) J826 Prime Material Cabinet: 1119 x 656 x 637 mm (44 x 25.8 x 25.1 in.); 153 kg (337 lbs.) J850 Pro/Prime System: 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.) J850 Pro/Prime 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, EAC, RCM, R-NZ ²
Software	GrabCAD Print, SDK (API)
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: 1 base resin, 55-micron (0.002 in.) resolution
Accuracy	For J826 Prime: Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – ±100µ; above 100 mm – ±200µ. For J850 Prime: 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 Full color capabilities are only available with J850 Prime and J826 Prime.

² J826 Prime does not hold EAC, RCM, R-NZ regulatory compliance.

**Dream It.
Print It.**
Contact Us Today.



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