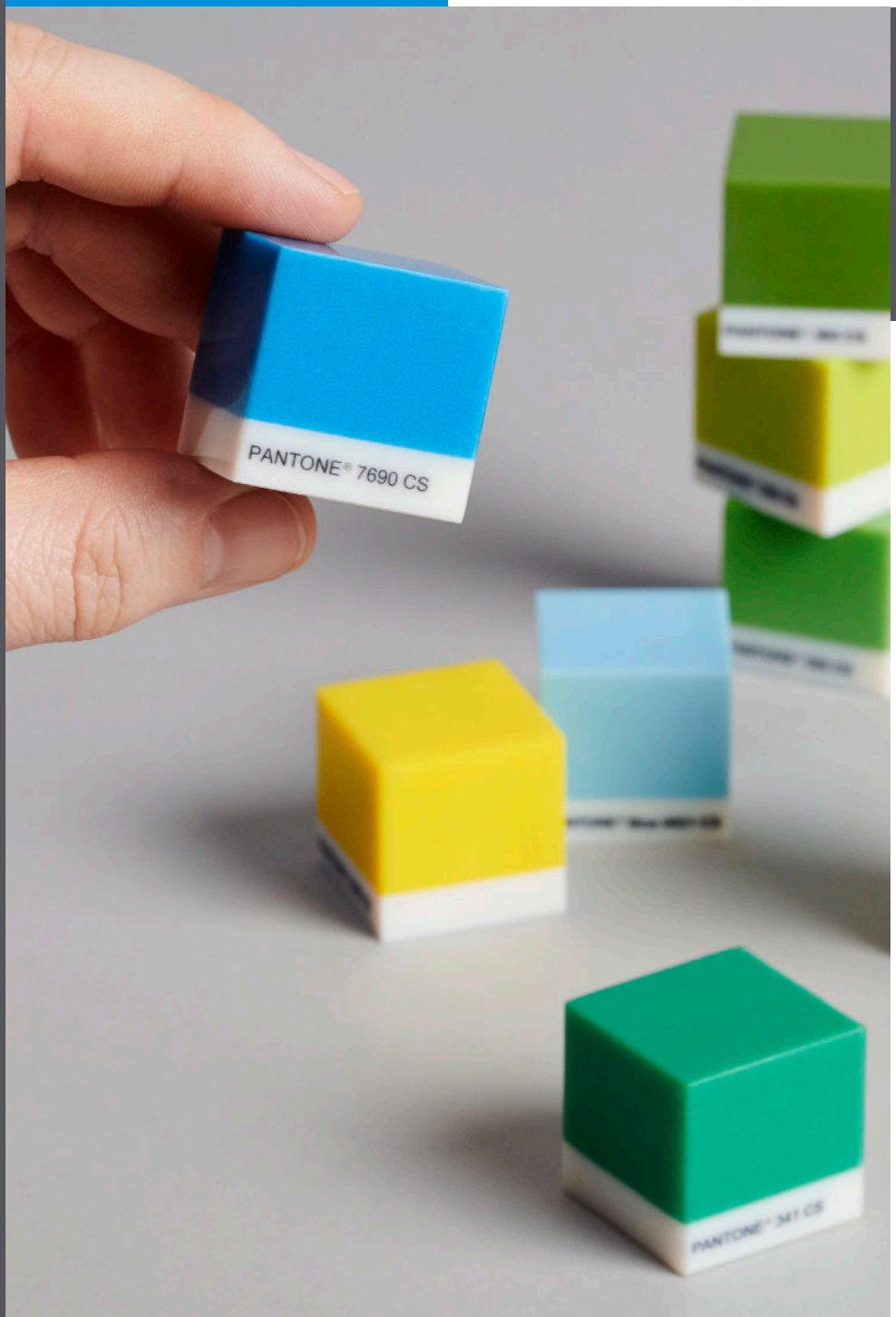
Serie J8
J826 Prime



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.

stratasys
AsorCAD
Expertos en tecnología 3D

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 J850 Pro/Prime and the J826 Prime.

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

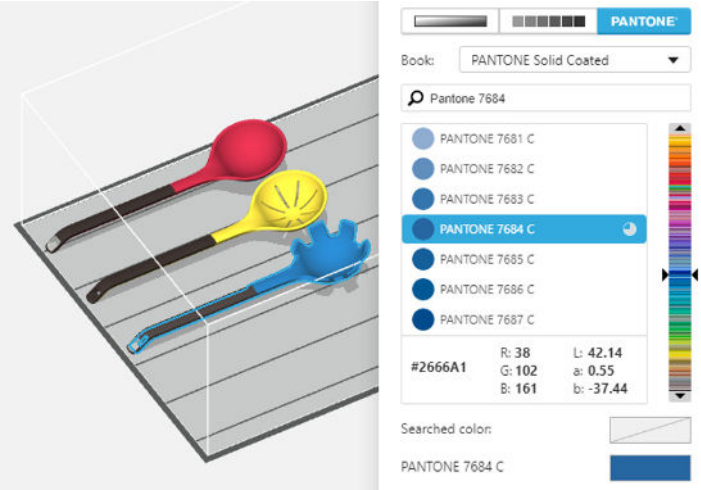
Make Smarter Design Decisions

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.



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 J826 Prime and J850 Prime enable 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. 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	• Vero™ family of materials including neutral shades and vibrant VeroVivid™ colors[1] • Agilus30™ family of flexible materials • Transparent VeroClear™ and VeroUltraClear • VeroUltra™ opaque materials in black and white
Digital Model Materials	Unlimited number of composite materials including: • Over 500,000 colors[1] • 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 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
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; above100 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.

Stratasys J826™ Prime

Unmatched Product Realism

The J826 Prime and J850 Prime are versatile, multi-material 3D printers powered by PolyJet™ Technology. Whether you need full-color consumer product prototypes or multi-material models for functional testing, the J826 Prime and J850 Prime offer the perfect 3D printing solution.

The Stratasys J826 Prime and J850 Prime 3D printers deliver unrivaled aesthetic results with full-color capability including texture mapping and color gradients. This lets you create prototypes that look and feel like real products, and accurately show design intent in color, material and finish.

These printers are PANTONE Validated™ making the PANTONE MATCHING SYSTEM (PMS) colors available in a 3D printing solution. With expansive color combinations to choose from and multi-material capability, these printers let you create the most realistic models and prototypes in the shortest time possible, without the need for painting or assembly.

Unparalleled Capability

The J826 Prime and J850 Prime printers provide unmatched capability to achieve maximum realism for 3D printing applications in the design, medical and educational disciplines. The vast array of colors and material properties, from rigid to flexible and opaque to transparent, eliminate the need to use multiple processes to create realistic prototypes and models.

Leverage the capability to combine seven different materials in a single part for unprecedented combinations of color, transparency and flexibility. Mimic the clarity of acrylic and glass with VeroUltra™Clear material. Combine flexible materials and color to make patient-specific surgical planning models that improve patient outcomes. Simulate the properties of polypropylene with digital materials that combine Digital ABS Plus™ and flexible Agilus30™, for functional and durable prototypes. Design and print color-critical parts with confidence using colors from the PANTONE® Formula Guide Solid Coated and all of the PANTONE® SkinTone™ colors.

Fast and Efficient Workflow

Streamline your workflow with GrabCAD Print™ software. GrabCAD Print lets you to print directly from your favorite professional CAD formats, avoiding time usually spent converting and fixing STL files. Matching PANTONE Colors is a single-click step in GrabCAD Print, eliminating time-consuming painting or trial-and-error color matching. Use smart default settings, tooltips and notifications to guide you through a seamless printing process. Work with detailed views of your model, tray, and slice preview so you can make necessary adjustments before going to print.

The large, seven-material capacity of the J826 Prime and J850 Prime 3D printers means you can load your most used resins and avoid downtime associated with material changeovers. Multiple print modes let you adjust the speed and quality of the print to meet your specific needs. For the fastest creation of concept models on the J850 printers, use Super High Speed mode with DraftGrey™ material. Additional print modes support multiple materials and higher print resolutions. The J826 Prime and J850 Prime printers feature two support material options: SUP705™, removed with a water jet, and SUP706B™, which is soluble and easily removed for automated post-processing and increased geometric freedom to print complex and delicate features and small cavities.

J826 Prime

stratasys

Product Specifications	
Model Materials	• VeroUltra™ opaque materials in black and white • Vero™ family of materials including neutral shades and vibrant VeroVivid™Cyan, VeroVivid™Magenta and VeroVivid™Yellow colors • Agilus30™ flexible material • Transparent VeroClear™ and VeroUltraClear • Digital ABS Plus ivory
Digital Model Materials	Unlimited number of composite materials including: • Over 600,000 colors with VeroUltra • Rubber-like materials in a variety of Shore A values • Translucent color tints
Support Materials	SUP705 (water jet removable) SUP706B (soluble)
Build Size	**J826 Prime:** 255 x 252 x 200 mm (10 x 9.9 x 7.9 in.) **J850 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 mode
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 Prime System:** 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.) **J850 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[1]
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:** 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; above100 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] J826 Prime does not hold EAC, RCM, R-NZ regulatory compliance.

USA - Headquarters
7665 Commerce Way
Eden Prairie, MN 55344, USA
+1 952 937 3000

EMEA
Airport Boulevard B 120
77836 Rheinmünster, Germany
+49 7229 7772 0

ISRAEL - Headquarters
1 Holtzman St., Science Park
PO Box 2496
Rehovot 76124, Israel
+972 74 745 4000

ASIA PACIFIC
7th Floor, C-BONS International Center
108 Wai Yip Street Kwun Tong Kowloon
Hong Kong, China
+ 852 3944 8888

stratasys.com
ISO 9001:2015 Certified

AsorCAD
Expertos en tecnología 3D

DISTRIBUIDOR OFICIAL:
ASORCAD ENGINEERING, S.L.
www.asorcad.es

© 2021 Stratasys Ltd. All rights reserved. Stratasys, Stratasys signet, PolyJet, J8, J826, J835, J850, Digital ABS Plus, Digital ABS2 Plus, Agilus30, Vero, VeroVivid, VeroClear, VeroUltraClear, DraftGrey, SUP705, SUP706B and GrabCAD Print are trademarks or registered trademarks of Stratasys Ltd. and/or its subsidiaries or affiliates and may be registered in certain jurisdictions. PANTONE® and other Pantone trademarks are the property of Pantone LLC. Pantone's trademarks and copyrights used with the permission of Pantone LLC under License Agreement with Stratasys Ltd. All other trademarks belong to their respective owners. Product specifications subject to change without notice. PSS_PJ_J850_Prime_1221a

Dream It.
Print It.

Contact Us Today.

Stratasys Headquarters

7665 Commerce Way,
Eden Prairie, MN 55344
+1 800 801 6491 (US Toll Free)
+1 952 937-3000 (Intl)
+1 952 937-0070 (Fax)

1 Holtzman St., Science Park,
PO Box 2496
Rehovot 76124, Israel
+972 74 745 4000
+972 74 745 5000 (Fax)

stratasys.com
ISO 9001:2015 Certified

distribuidores oficiales:

AsorCAD
Expertos en tecnología 3D

www.asorcad.es

© 2022 Stratasys Ltd. All rights reserved. Stratasys, Stratasys signet, PolyJet, J826, J850, Digital ABS Plus, Digital ABS2 Plus, Agilus30, Vero, VeroVivid, VeroClear, VeroUltraClear, SUP705, SUP706B and GrabCAD Print are trademarks or registered trademarks of Stratasys Ltd. and/or its subsidiaries or affiliates and may be registered in certain jurisdictions. PANTONE® and other Pantone trademarks are the property of Pantone LLC®, 2016. Pantone's trademarks and copyrights used with the permission of Pantone LLC under License Agreement with Stratasys Ltd. All other trademarks belong to their respective owners. Product specifications subject to change without notice. BR_PJ_J8SeriesBrochure_0522a