



# 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™ 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 Prime and the High Speed print mode on the J826 Prime.

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







## Make Smarter Design Decisions

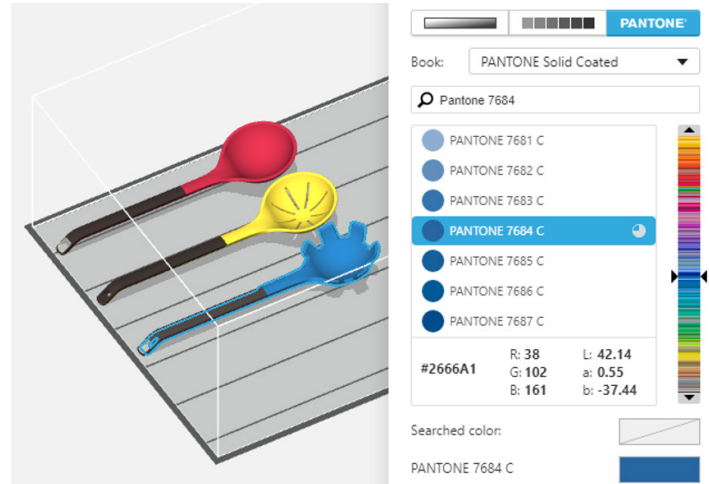
Better communicate ideas to internal stakeholders with more realistic prototypes. The J826 Prime and J850 Prime allow you to 3D print full-color models in 20% of the time taken to produce traditional models. This leads to quicker decisions and approvals, helping you get to market faster while still achieving 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.

Learn more about GrabCAD Print at [grabcad.com/print](https://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 opaque materials including neutral shades and vibrant VeroVivid™ colors
- Agilus30™ family of flexible materials
- Transparent VeroClear™ and VeroUltraClear

### 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 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<sup>1</sup> 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

### 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<sup>1</sup>: 1 base resin, 55 micron (0.002 in.) resolution

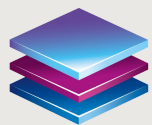
### Accuracy

**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.

<sup>1</sup> - Not available on the J826 Prime.



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



**TRI-TECH 3D**  
STANFORD MARSH GROUP

## Get in touch.

### HEADQUARTERS

3-4 Innovation Way, North  
Staffs Business Park,  
Stoke-On-Trent  
ST6 4BF

info@tritech3d.co.uk  
01782 814551

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