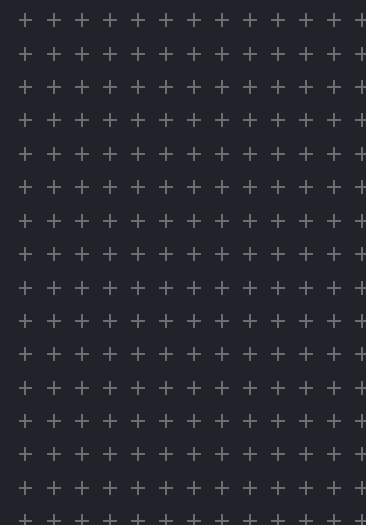




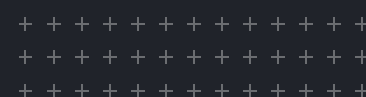
Stratasys J850 Prime

Unlimited Prototype Potential
With Stratasys J850 Prime 3D Printer

Brilliant designs shouldn't have limitations. Realise and elevate your ideas more quickly and precisely with Stratasys J850™ Prime 3D printer — designed for all who design.



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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 J850 Prime 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.

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 J850 Prime allows 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.

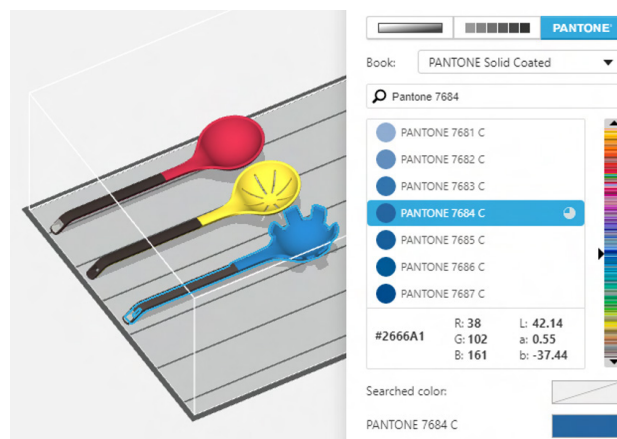


+ Communicate With Reality



Create prototypes that look and feel like the finished product. The J850 Prime can produce more than 500,000 distinguishable colour 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 realise 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 colour fidelity of your prototypes by 3D printing with PANTONE® colors. As PANTONE Validated™ 3D printers, the J850 Prime enables you to match Stratasys CMYK colors to more than 1,900 printable PANTONE Colours, 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 sys-uk.com/software/grabcad-print/

80%

80% Lower Cost
to Prototype

5x

Make design
iterations 5x faster



Start Refining at an Earlier Stage

The speed, accuracy and repeatability of the J850 Prime 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.

Product Specifications

Model Materials	<ul style="list-style-type: none">• Vero™ family of opaque materials including neutral shades and vibrant VeroVivid™ colors• Agilus30™ flexible material• Transparent VeroClear™ and VeroUltraClear• Digital material• VeroUltra™ White/Black
Digital Model Materials	Unlimited number of composite materials including: <ul style="list-style-type: none">• Over 500,000 colors• Digital ABS Plus and Digital ABS2 Plus in ivory• Rubber-like materials in a variety of Shore A values• Translucent color tints
Build Size	90 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
Network Connectivity	LAN - TCP/IP
System Size and Weight	1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 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 (low-voltage and EMC directive), FCC, EAC, cTUVus, FCC, KC, RoHs, WEEE, Reach, RCM
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	Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – $\pm 100\mu$; above 100 mm – $\pm 200\mu$ or $\pm 0.06\%$ of part length, whichever is greater.



Dream it. Print it.

Learn more about the J850 Prime
3D printer at sys-uk.com.



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