stratasys | J850™ 3DFashion™

ABRACADABRA

Unveiling the natural beauty of 3DFashion™

Stratasys
J850™ 3DFashion™

Unmatched Product Realism

The J850 3DFashion™ features multiple versatile, multimaterial 3D printers powered by PolyJet Technology™. Whether you need full-color consumer product or multimaterial models for functional testing, the J850 offers the perfect 3D printing solution.

The Stratasys J850 3DFashion™ printer deliver unrivaled aesthetic results with full-color capability including texture mapping and color gradients.

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 multimaterial capability, the Stratasys J83DFashion printer let you create the most aesthetic 3D graphics in the shortest time possible, without the need for painting or assembly.

Unparalleled Capability

J8 Series printers provide unmatched capability to achieve maximum realism for 3D printing applications in the design, fashion, 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 unique volumetric colorful objects

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 Stratasys J850 3DFashion 3D printer 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.

J850™ 3DFashion™

Product Specifications	
Model Materials	• J850 3DFashion: • 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	• J850 3DFashion: • Unlimited number of composite materials including: • Over 500,000 colors • Rubber-like materials in a variety of Shore A values • Translucent color tints
Support Materials	SUP705 (water jet removable) SUP706B (soluble)
Build Size	**3DFashion Mode:** 460 x 360 x 100 mm (18.1 x 14.2 x 3.9 in.) **PRIME Mode:** 460 x 360 x 200 mm (18.1 x 14.2 x 7.9 in.)
Layer Thickness	Horizontal build layers down to 14 microns (0.00055 in.)
Workstation Compatibility	Windows 10
Network Connectivity	LAN - TCP/IP
System Size and Weight	**J850 3DFashion System:** 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.) **J850 3DFashion 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
Accuracy	**J850 3DFashion System:** 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.

Passed ISO 105-B02, 106-C06 Color durability and laundering tests	100% Cotton	100% Polyester	50/50% Cotton Polyeste	Linen
Washing ISO 105 C06 A2S @40c	5	5	5	5
Washing ISO 105 C06 A2S @40c	5	5	5	5
Light Fastness – Xenon Test (ISO105-BO2)	7-8	7-8	7-8	7-8