

Stratasys J826™ Prime and J850™ 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 VeroUltraTMClear 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 PlusTM and flexible Agilus30TM, 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® SkinToneTM 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 DraftGreyTM material. Additional print modes support multiple materials and higher print resolutions. The J826 Prime and J850 Prime printers feature two support material options: SUP705TM, removed with a water jet, and SUP706BTM, which is soluble and easily removed for automated post-processing and increased geometric freedom to print complex and delicate features and small cavities.



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 – $\pm 100\mu$; above 100 mm – $\pm 200\mu$. For J850 Prime: 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.

¹ J826 Prime does not hold EAC, RCM, R-NZ regulatory compliance.

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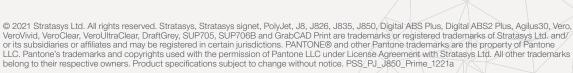
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