Stratasys J850 Prime

The J850 features multiple versatile, multimaterial 3D printers powered by PolyJet Technology

Whether you need full-color consumer product prototypes or multimaterial models for functional testing, the J8 Series offers the perfect 3D printing solution. The Stratasys J850™ Prime 3D printer 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.

J850 Prime Printer and Material Specifications	
Model Materials	▪ 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: ▪ 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	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
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 – ±100µ; above 100 mm – ±200µ or ± 0.06% of part length, whichever is greater.

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