Stratasys J850 Pro

Print prototypes that look and feel like the finished product.

The J850 Pro can print up to seven materials simultaneously, allowing for virtually unlimited material combinations and multi-material parts. From consumer products to medical devices, the J850 Pro helps you simplify and speed up product development. High print resolution ensures smooth surfaces for parts and incredible accuracy, even for details like printed graphics and complex geometries.

J850 Pro Printer and Material Specifications	
Model Materials	▪ Vero family of opaque materials in neutral shades (black, white and gray) ▪ Agilus30 flexible material ▪ Transparent VeroClear and VeroUltraClear ▪ Digital material ▪ VeroUltra™ White/Black
Digital Model Materials	Unlimited number of composite materials including: ▪ Composite materials including: ▪ 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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