J850™ TechStyle™

Product Specifications	

Model Materials	• Vero™ & VeroUltra™ family of opaque materials + neutral shades and vibrant VeroVivid™ colors • Agilus30™ Clear, Black, White, Cyan, Magenta, Yellow • Transparent VeroClear™ and VeroUltra™Clear • Vero™ContactFlex for soft touch model coating
Digital Model Materials	**Unlimited number of digital materials including:** • Over 600,000 colors and Pantone® Validated palettes • Translucent color tints • Flexible tactile materials in a variety of textures and colors
Support Materials	SUP705™ (water jet removable) SUP706B™ (soluble)

ISO standards	100% Cotton	100% Polyester	50/50% Cotton Polyester	Linen
Color Fastness to Laundering @40c - ISO 105-C06:2010 (1-5)	5	5	5	5
Color Fastness to Laundering @60c - ISO 105-C06:2010 (1-5)	5	5	5	5
Color Fastness to Light ISO 105-B02:2013 (1-8)	7-8	7-8	7-8	7-8

Printed Textile Testing*

Build Size	**Fabric Size Handling:** min 560 x 460mm; max 2 x 2m **Fabric Thickness:** 0.1-3.0mm Interchangeable Tray for smooth production runs
Effective Printing Area	460 x 360 x 50 mm (18.1 x 14.2 x 1.9 in) on a stretch of fabric up to 2m^2
Layer Thickness	Horizontal build layers down to 27-micron (0.001 in.)
Workstation Compatibility	Windows 10
Network Connectivity	LAN - TCP/IP Industry 4.0 Compliance
System Size and Weight	**J850 TechStyle System:** 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.) **J850 TechStyle Material Cabinet:** 1119 x 656 x 637 mm (44 x 25.8 x 25.1 in.); 153 kg (337 lbs.)

*Test results based on 50 x 50 cm textile samples comprising 3D printed elements of various colors.

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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-NZ1
Software	GrabCAD Print, SDK (API)
Build Modes	**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 TechStyle 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. **Print on Existing Patterns:** up to 1mm **Software:** Deviation from STL dimensions, for 1 Sigma (67%) of models printed with rigid materials, based on size: under 100 mm – ±150µ; above 100 mm – ±0.15% of part length. Deviation from STL dimensions, for 2 Sigma (95%) of models printed with rigid materials, based on size: under 100 mm – ±180µ; above 100 mm – ±0.2% of part length.

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