

J850™ TechStyle™

Product Specifications

Industry Compliant Materials VeroEco™Flex family of semi-flexible materials: Clear, Black, White, Cyan, Magenta, Yellow and VeroEco™ ContactFlex. VeroEco Flex family of materials are in compliance with RSL (Restricted Substances List for Finished Products) industry standards.

Standard Materials

- VeroUltra™ & VeroVivid™ family of opaque and transparent materials + neutral shades and vibrant colors
- Agilus30™ family of flexible materials: Clear, Black, White, Cyan, Magenta and Yellow

Digital Model Materials

Unlimited number of digital materials including:

- Over 600K available colors in both matte and glossy finishes
- Translucent color tints
- Flexible tactile materials in a variety of textures and colors

Support Materials SUP705™, SUP705B™ (water jet removable)

	ISO standards	100% Cotton	100% Polyester	50/50% Cotton Polyester	Linen
Printed Textile Testing*	ISO 105-C06:2010 @40c (1-5)	5	5	5	5
	ISO 105-C06:2010 @60c (1-5)	5	5	5	5
	ISO 105-B02:2013 (1-8)	7-8	7-8	7-8	7-8

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 2m²

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.)

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

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

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Software GrabCAD Print - GrabCAD Printer Connectivity SDK

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 – $\pm 100\mu$; above 100 mm – $\pm 200\mu$ or $\pm 0.06\%$ of part length, whichever is greater.

Software: Deviation from STL dimensions, for 1 Sigma (67%) of models printed with rigid materials, based on size: under 100 mm – $\pm 150\mu$; above 100 mm – $\pm 0.15\%$ of part length.

Deviation from STL dimensions, for 2 Sigma (95%) of models printed with rigid materials, based on size: under 100 mm – $\pm 180\mu$; above 100 mm – $\pm 0.2\%$ of part length.

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ISO 9001:2015 Certified

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