

J850™ TechStyle™

Product Specifications

Materials

Digital Model Materials	Unlimited number of digital materials including: <ul style="list-style-type: none"> • Over 600K available colors in both matte and glossy finishes • Translucent color tints • Flexible tactile materials in a variety of textures and colors 				
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.				
	Printed Textile Testing*	100% Cotton	100% Polyester	50/50% Cotton Polyester	Linen
	Color fastness for washing at 40°C (1-5) ISO 105-C06:2010	5	5	5	5
	Color fastness for washing at 60°C (1-5) ISO 105-C06:2010	5	5	5	5
	Adhesion to washing at 40°C & 60°C ISO 105-C06:2010	Pass	Pass	Pass	Pass
	Color fastness to rubbing (wet 50 rubs) ISO 11640:2018	Pass	Pass	Pass	Pass
	Color fastness to rubbing (dry 150 rubs) ISO 11640:2018	Pass	Pass	Pass	Pass
	Abrasion resistance (Martindale) ISO 12947-2:2016	Pass	Pass	Pass	Pass
Standard Materials	<ul style="list-style-type: none"> • 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 				
Support Materials	SUP705™ (water jet removable) & 705B				

Hardware

Build Size	Fabric Size Handling: min 560 x 460mm; max 2 x 2mm 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

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

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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.) Fabric Alignment Station: 91 X 81 X 215 cm; 142 kg
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 - 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 – ±100µ; above 100 mm – ±200µ or ± 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 – ±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.

Add-On Accessories

D2G Trays Kit	Includes 2 trays in 2 sizes, 250/100 mm / 350/150 mm
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