

# 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 2m<sup>2</sup>

**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.

# J850<sup>TM</sup> TechStyle<sup>TM</sup>

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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.