

# 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

- 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.)

\*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	<b>High Mix:</b> up to 7 base resins, 27-micron (0.001 in.) resolution
	<b>High Speed:</b> up to 3 base resins, 27-micron (0.001 in.) resolution

### 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.

**Print on Existing Patterns:** up to 1mm

### Accuracy

#### 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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