

Stratasys Fabrix Innovation Kit

Fabrix 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

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
Printed fabric adhesion certification	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

Fabric Size

Fabric Size Handling: min 560 x 460mm
Fabric Thickness: 0.2-2.5mm

Effective Printing Area (After upgrade)

460 x 360 x 200 mm (18.1 x 14.2 x 7.8 in)

Layer Thickness

Horizontal build layers down to 27-micron (0.001 in.)

Workstation Compatibility

LAN - TCP/IP

Network Connectivity

Operating: Temperature: 15 – 30 °C (59 – 86 °F), Humidity: 30 – 70% RH
Storage: Temperature: 0 – 35 °C (32 – 95 °F), Humidity: 20 – 90% RH

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

**Effective print size compared to J850 Prime without FabriX Innovation kit upgrade is 490x390

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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 Quality:** up to 7 base resins, 14-micron (0.00055 in.) resolution
- 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
- Super High Speed:** 1 base resins, 55 -micron (0.002 in.) resolution

Accuracy

J850Prime 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

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