

FabriX™ Innovation Kit for J850 Prime

Product Specifications

Model Materials	<ul style="list-style-type: none"> • Vero™ & VeroUltra™ family of opaque materials + neutral shades and vibrant VeroVivid™ colors • Agilus30™ Clear, Black, White, Cyan, Magenta, Yellow • Transparent VeroClear™ and VeroUltra™Clear
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Digital Model Materials	<p>Unlimited number of digital materials including:</p> <ul style="list-style-type: none"> • Over 600,000 colors and Pantone® Validated palettes • Translucent color tints • Flexible tactile materials in a variety of textures and colors
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Support Materials	<p>SUP705™ (water jet removable) SUP706B™ (soluble)</p>
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	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	<p>Fabric Size Handling: min 560 x 460mm Fabric Thickness: 0.2-2.5mm</p>
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Effective Printing Area (After upgrade)	460 x 360 x 200 mm (18.1 x 14.2 x 7.8 in)**
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Layer Thickness	Horizontal build layers down to 27-micron (0.001 in.)
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Workstation Compatibility	Windows 10
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Network Connectivity	LAN - TCP/IP
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System Size and Weight	<p>J850 Prime System: 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.)</p>
	<p>J850 Prime Material Cabinet: 1119 x 656 x 637 mm (44 x 25.8 x 25.1 in.); 153 kg (337 lbs.)</p>

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

Stratasys Headquarters

7665 Commerce Way,
Eden Prairie, MN 55344
+1 800 801 6491 (US Toll Free)
+1 952 937-3000 (Intl)
+1 952 937-0070 (Fax)

stratasys.com
ISO 9001:2015 Certified

1 Holtzman St., Science Park,
PO Box 2496
Rehovot 76124, Israel
+972 74 745 4000
+972 74 745 5000 (Fax)

