

FabriX[™] Innovation Kit



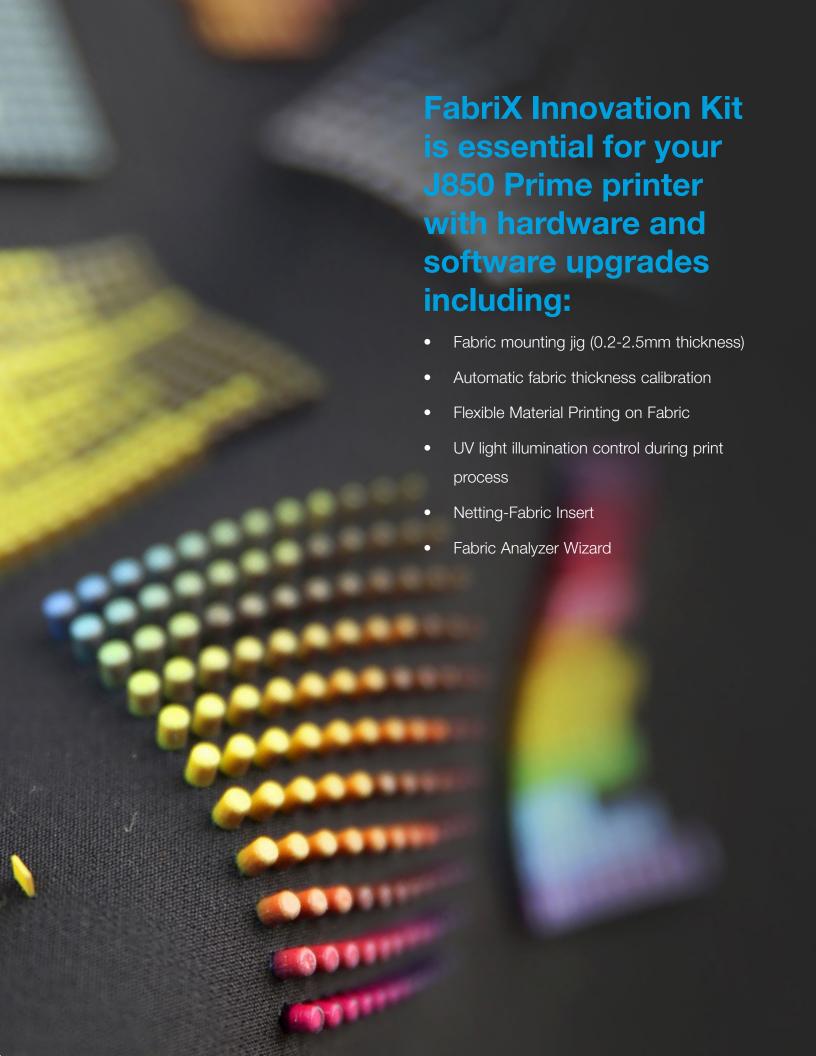
FabriX[™] Innovation Kit

FabriX™ Innovation Kit extends the ultra-realistic CMF (Color-Material-Finish) capabilities of the J850™ Prime even further with an easy-to-use, comprehensive, and repeatable solution for 3D printing on fabric and flexible substrates. Experiment with new materials and printing techniques for a wider range of options. Explore the possibilities of 3D printing on fabric and create design prototypes that are both innovative and stylish. FabriX is the ideal tool kit for designers at R&D and Innovation Centers in the Education, Consumer Goods, Wearable Electronics and the Concept Car and Automotive Industries.

Powered by Stratasys 3DFashion™ technology that, together with FabriX, enables optimization of the absorption rate mechanism for perfect adhesion of jetted materials on a variety of fabric types. Designers and researchers can easily 3D print on fabric, in full color, and clear print creating extraordinary designs on textile for educational research, military, wearable electronics, footwear and more. FabriX innovation kit transforms the J850 Prime into an end-toend hybrid system for printing both 3D model parts and 3D printing on flexible, flat substrates, such as fabric, carbon fiber, flexible polymers, mylar, netting, canvas and more. The ultimate solution for design and concept 3D printing with a super simple workflow that is easily implemented using our GrabCAD™ Print software.

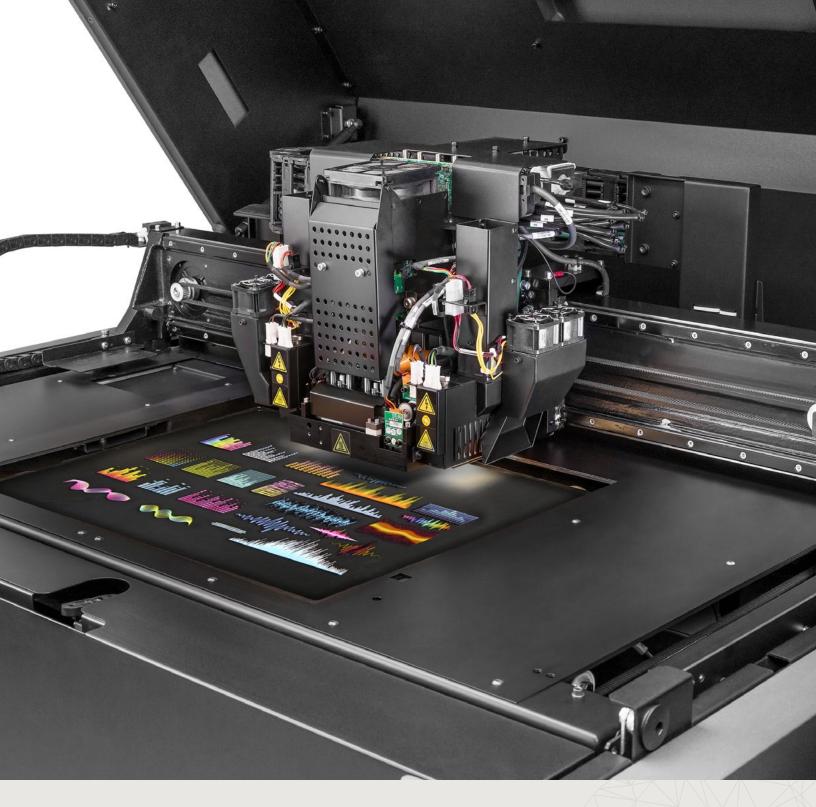






Product Specification					
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Model Materials	Vero [™] & VeroUltra [™] family of opaque materials	s + neutral shade	es		
	and vibrant VeroVivid™ colors				
	Agilus30™ Clear, Black, White, Cyan, Magenta, Yellow The state of the state				
	Transparent VeroClear™ 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	s and colors			
Support Materials	SUP705™ (water jet removable)				
	SUP706B™ (soluble)				
Printed fabric adhesion certification	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
Fabric Size	Fabric Size Handling: min 560 x 460mm				
	Fabric Thickness: 0.2-2.5mm				
Effective Printing Area	460 x 360 x 200 mm (18.1 x 14.2 x 7.8 in)**				
(After upgrade)					
Layer Thickness	Horizontal build layers down to 27-micron (0.001 in.)				
Workstation Compatibility					
Network Connectivity	LAN - TCP/IP				
System Size and Weight	J850 Prime System:				
	1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.)				
	J850 Prime 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				
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				

^{*}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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