Stratasys F900

Designed and built for size, throughput, precision and repeatability.

The Stratasys F900 is the most precise and powerful FDM system available. With the largest build size of any Fortus system, the Stratasys F900 is designed to handle the most demanding manufacturing needs. The accuracy, repeatability and predictability are unmatched, and the control software leverages the system's hardware to deliver superior throughput and reliability.

The Stratasys F900 uses engineering-grade thermoplastics to build robust production parts, jigs, fixtures, factory tooling and functional prototypes. Large parts are printed fast with slice heights up to 0.020 inches to help meet production demands with ease.

F370 Printer and Material Specifications	
System Size / Weight	2,772 x 1,683 x 2,027 mm (109.1 x 66.3 x 78.1 in); 2,869 kg (6,325 lbs.) With Manufacturing Light Tower: 2,772 x 1,683 x 2,281 mm (109.1 x 66.3 x 89.8 in.)
Build Tray Dimensions	914.4 x 609.6 x 914.4 mm (36 x 24 x 36 in.) Platen supports two build zones for either a small or large build sheet
Material Delivery	Two model material canisters 1,508 cc (92 in.3) Two support material canisters 1,508 cc (92 in.3) Auto changeover between canisters
Achievable Accuracy	Parts are produced within an accuracy of +/- .089 mm or +/- .0015 mm per mm whichever is greater (+/- .0035 in. or +/-.0015 in. per in. whichever is greater).+ Z part accuracy includes an additional tolerance of -0.000/+ slice height.
Network Connectivity	10/100 base T connection. Ethernet protocol.
Operator Attendance	Limited attendance for job start and stop required
Software	GrabCAD Print software, Insight Software, Control Center
Operating Enviroment	Maximum room temperature of 29 °C (85 °F). Maximum room humidity of 80%.
Power Requirements	230 VAC (three phase) 50/60Hz, Voltage fluctuation +/- Current 40A
Additional Requirements	Compressed Air Required 90-120 psi with a minimum flow of 20 CFM
Regulatory Compliance	CE, cTUVus, RCM, EAC, FCC Part B
Operating System	Microsoft Windows 8.1 and Windows 8 (Pro, Enterprise), Microsoft Windows 7 (Pro, Enterprise, Ultimate), Microsoft Windows Vista (Business, Enterprise, Ultimate), Microsoft Windows Server 2008, Microsoft Windows Server 2003

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Materials

Model Material	Layer Thickness					Support Structure	Available Colours
	0.508 mm (0.020 in.)	0.330 mm (0.013 in.)	0.254 mm (0.010 in.)	0.178 mm (0.007 in)	0.127 mm (0.005 in)		
ASA	●	●	●	●	●	Soluble	■ Black ■ Dark Blue ■ Dark Grey ■ Green ■ Light Grey ■ Yellow □ White ■ Orange ■ Ivory ■ Red
ABS-M30		●	●	●		Soluble	■ Black ■ Dark Blue □ White ■ Red ■ Ivory ■ Dark Grey
ABS-M30i		●	●	●		Soluble	■ Ivory
ABS-ESD7			●	●		Soluble	■ Black
Antero 800NA			●			Breakaway (support structure)	■ Natural
Antero 840CN03			●			Breakaway (support structure)	■ Natural
PC-ABS		●	●	●		Soluble	■ Black
PC-ISO		●	●	●		Breakaway	■ Translucent Natural □ White
PC		●	●	●		Breakaway, Soluable	□ White
ULTEM 9085 resin		●	●			Breakaway	■ Black ■ Tan
ULTEM 1010 resin	●	●	●			Breakaway	■ Natural
PPSF			●			Breakaway	■ Tan
FDM Nylon 12		●	●	●		Soluble	■ Black
FDM Nylon 6		●	●			Soluble	■ Black
FDM® Nylon 12CF			●			Soluble	■ Black
ST-130™		●				Breakaway	■ Natural

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