



The Stratasys F170

The Stratasys [F170™](#) combines dependable [FDM® technology](#) with design-to-print [GrabCAD Print™ software](#) for accurate, professional 3D printing results.

The F170 is designed for ease of use, so you don't need special 3D printing expertise. True plug-and-play capability, auto-calibration and fast, easy material swaps mean more time printing, maximizing your productivity. Super-quiet, clean operation makes the F170 right at home in an office or classroom environment.

Fast-draft mode prints initial design concepts quickly and economically, while consuming half the material on average. Hands-free soluble support removal enables the creation of complex parts without compromising accuracy or detail. Remote monitoring lets you easily manage your print jobs from outside the office.

Product Specifications

System Size and Weight	1,626 x 864 x 711 mm (64 x 34 x 28 in.), 227 kg (500 lbs) with consumables
Noise Specification	46 dB maximum during build, 35 dB when idle
Certifications	GREENGUARD Certification per UL 2904 when using ABS, ASA, and QSR materials
Accuracy¹	Parts are produced within an accuracy of +/- .200 mm (.008 in), or +/- .002 mm/mm (.002 in/in), whichever is greater.
Material Delivery Options	2 material spool bays, 1 for model, 1 for support located in a drawer on the front of the unit
Network Connectivity	Wired: TCP/IP protocols at 100 Mbps minimum 100 base T, Ethernet protocol, RJ45 connector Wireless-ready: IEEE 802.11n, g, or b; Authentication: WPA2-PSK, 802.1x EAP Encryption: CCMP, TKIP
Software	GrabCAD Print
System Requirements	Windows 7, 8, 8.1 and 10 (64bit only) with a minimum of 4GB RAM (8GB or more recommended)
Operating Environment	Operating: Temperature: 15 – 30 °C (59 – 86 °F), Humidity: 30 – 70% RH Storage: Temperature: 0 – 35 °C (32 – 95 °F), Humidity: 20 – 90% RH
Power Requirements	100–132V/15A or 200–240V/7A. 50/60 Hz
Regulatory Compliance	CE (low-voltage and EMC directive), FCC, EAC, cTUVus, FCC, KC, RoHs, WEEE, Reach, RCM



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Model Capabilities

Printer	Maximum Build Size (XYZ)	Model Materials
Stratasys F170	254 x 254 x 254 mm (10 x 10 x 10 in.)	PLA ² , ABS-M30, ASA, FDM TPU 92A, ABS-CF10, QSR™ Support material

Layer Thickness

Material	0.013 in. (0.330 mm)	0.010 in. (0.254 mm)	0.007 in. (0.178 mm)	0.005 in. (0.127 mm) ³
PLA	○	●	○	○
ABS	●	●	●	●
ASA	●	●	●	●
FDM TPU 92A	○	●	○	○
ABS-CF10	●	●	●	●

¹ Accuracy is geometry-dependent. Achievable accuracy specification derived from statistical data at 95% dimensional yield. Z part accuracy includes an additional tolerance of -0.000/+slice height.

² PLA does not utilize soluble support material. The supports are made of breakaway PLA.

³ F123 T14H Head (123-00603-S) is the only approved head for 0.005in (0.127mm) with ABS-CF10.

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ISO 9001:2015 Certified

PRODUCT SPEC SHEET
FDM