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
Build Envelope (XYZ)	254 x 254 x 254 mm (10 x 10 x 10 in.)
Noise Specification	46 dB maximum during build, 35 dB when idle
Certifications[1]	GREENGUARD Certification per UL 2904 when using ABS, ASA, and QSR materials
Achievable Accuracy[2]	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, GrabCAD Print Pro[3]
System Requirements	Windows 10 and 11 (64bit only) with a minimum of 8GB of RAM (16GB or more recommended)
Operating Environment	**Operating:** Temperature: 15 – 30 ºC (59 – 86 ºF), Humidity: 30 – 70% RH **Storage:** Temperature: 0 – 35 ºC (32 – 95 ºF), 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

[1] GREENGUARD Certification is available on new F170 systems under part number 123-10010.
[2] 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/+layer height.
[3] GrabCAD Print Pro is available on a subscription basis.

Material Options

Stratasys Preferred Materials

Material	Layer Thickness				Support Structure	Available Colors	
	0.127 mm (0.005 in.)	0.178 mm (0.007 in.)	0.254 mm (0.010 in.)	0.330 mm (0.013 in.)			
PLA	○	○	●	○	Breakaway	■ Black □ White ■ Light Gray ■ Medium Gray ■ Red ■ Blue	■ Yellow ■ Natural □ Translucent ■ Red Translucent ■ Blue Translucent ■ Green Translucent
ABS-M30™	●	●	●	●	Soluble	■ Ivory ■ Black □ White ■ Dark Gray ■ Blue	■ Red ■ Green ■ Yellow ■ Orange
ASA	●	●	●	●	Soluble	■ Ivory ■ Black □ White ■ Dark Gray ■ Light Gray	■ Dark Blue ■ Green ■ Yellow ■ Orange ■ Red
FDM TPU 92A	○	●	●	○	Soluble	■ Black	
ABS-CF10	●[1]	●	●	●	Soluble	■ Black	

Stratasys Validated Materials

Material	Layer Thickness				Support Structure	Available Colors
	0.127 mm (0.005 in.)	0.178 mm (0.007 in.)	0.254 mm (0.010 in.)	0.330 mm (0.013 in.)		
FDM TPU 92A	○	○	●	○	Soluble	■ Red

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

HOME OF 3D PRINTING

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PRODUCT SPEC SHEET
FDM