



# 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

<b>System Size and Weight</b>	1,626 x 864 x 711 mm (64 x 34 x 28 in.), 227 kg (500 lbs) with consumables
<b>Noise Specification</b>	46 dB maximum during build, 35 dB when idle
<b>Certifications</b>	GREENGUARD Certification per UL 2904 when using ABS, ASA, and QSR materials
<b>Accuracy<sup>1</sup></b>	Parts are produced within an accuracy of +/- .200 mm (.008 in), or +/- .002 mm/mm (.002 in/in), whichever is greater.
<b>Material Delivery Options</b>	2 material spool bays, 1 for model, 1 for support located in a drawer on the front of the unit
<b>Network Connectivity</b>	<b>Wired:</b> TCP/IP protocols at 100 Mbps minimum 100 base T, Ethernet protocol, RJ45 connector <b>Wireless-ready:</b> IEEE 802.11n, g, or b; Authentication: WPA2-PSK, 802.1x EAP Encryption: CCMP, TKIP
<b>Software</b>	GrabCAD Print
<b>System Requirements</b>	Windows 7, 8, 8.1 and 10 (64bit only) with a minimum of 4GB RAM (8GB or more recommended)
<b>Operating Environment</b>	<b>Operating:</b> Temperature: 15 – 30 °C (59 – 86 °F), Humidity: 30 – 70% RH <b>Storage:</b> Temperature: 0 – 35 °C (32 – 95 °F), Humidity: 20 – 90% RH
<b>Power Requirements</b>	100–132V/15A or 200–240V/7A. 50/60 Hz
<b>Regulatory Compliance</b>	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
<b>Stratasys F170</b>	254 x 254 x 254 mm (10 x 10 x 10 in.)	PLA <sup>2</sup> , 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) <sup>3</sup>
<b>PLA</b>	○	●	○	○
<b>ABS</b>	●	●	●	●
<b>ASA</b>	●	●	●	●
<b>FDM TPU 92A</b>	○	●	○	○
<b>ABS-CF10</b>	●	●	●	●

<sup>1</sup> 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.

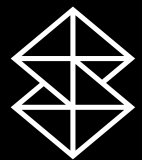
<sup>2</sup> PLA does not utilize soluble support material. The supports are made of breakaway PLA.

<sup>3</sup> 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