



# 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>Build Envelope (XYZ)</b>	254 x 254 x 254 mm (10 x 10 x 10 in.)
<b>Noise Specification</b>	46 dB maximum during build, 35 dB when idle
<b>Certifications<sup>1</sup></b>	GREENGUARD Certification per UL 2904 when using ABS, ASA, and QSR materials
<b>Achievable Accuracy<sup>2</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, GrabCAD Print Pro <sup>3</sup>
<b>System Requirements</b>	Windows 10 and 11 (64bit only) with a minimum of 8GB of RAM (16GB 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

<sup>1</sup> GREENGUARD Certification is available on new F170 systems under part number 123-10010.

<sup>2</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/+layer height.

<sup>3</sup> 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	<ul style="list-style-type: none"> <li>■ Black</li> <li>□ White</li> <li>■ Light Gray</li> <li>■ Medium Gray</li> <li>■ Red</li> <li>■ Blue</li> <li>■ Yellow</li> <li>■ Natural</li> <li>■ Translucent</li> <li>■ Red Translucent</li> <li>■ Blue Translucent</li> <li>■ Green Translucent</li> </ul>
ABS-M30™	●	●	●	●	Soluble	<ul style="list-style-type: none"> <li>■ Ivory</li> <li>■ Black</li> <li>□ White</li> <li>■ Dark Gray</li> <li>■ Blue</li> <li>■ Red</li> <li>■ Green</li> <li>■ Yellow</li> <li>■ Orange</li> </ul>
ASA	●	●	●	●	Soluble	<ul style="list-style-type: none"> <li>■ Ivory</li> <li>■ Black</li> <li>□ White</li> <li>■ Dark Gray</li> <li>■ Light Gray</li> <li>■ Dark Blue</li> <li>■ Green</li> <li>■ Yellow</li> <li>■ Orange</li> <li>■ Red</li> </ul>
FDM TPU 92A	○	●	●	○	Soluble	<ul style="list-style-type: none"> <li>■ Black</li> </ul>
ABS-CF10	● <sup>1</sup>	●	●	●	Soluble	<ul style="list-style-type: none"> <li>■ Black</li> </ul>

### 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	<ul style="list-style-type: none"> <li>■ Red</li> </ul>

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



**stratasys.com**  
ISO 9001:2015  
Certified

Stratasys Headquarters  
5995 Opus Parkway,  
Minnetonka, MN 55343  
+1 800 801 6491 (US Toll Free)  
+1 952 937-3000 (Intl)  
+1 952 937-0070 (Fax)

1 Holtzman St., Science Park,  
PO Box 2496  
Rehovot 76124, Israel  
+972 74 745 4000  
+972 74 745 5000 (Fax)

## PRODUCT SPEC SHEET FDM