

# F370CR Composite Printer



The F370<sup>®</sup>CR is a composite-ready 3D printer capable of printing engineering thermoplastics and composite carbon-filled materials. Hardened components and dedicated print heads provide the durability for extended life necessary when printing with carbon-filled plastics. The combination of composite and standard polymers offers the versatility to cover many manufacturing applications with one printer. Hands-free soluble support material enables printing complex geometries and hands-free post-processing.

The F370CR printer has multiple features designed for ease of use and high uptime.

- GrabCAD Print™ and Insight™ software provide a simple workflow and in-depth print process control
- Fully heated build chamber enables consistent print results with multiple infills from sparse to fully dense
- Material bays located in pullout drawers allow for easy accessibility and fast changes
- Auto changeover capability extends print times
- Built-in camera provides visual remote print monitoring
- Power is supplied by standard wall outlets
- Printers are mounted on casters for easy mobility

## F370CR Printer and Material Specifications

|                              |   |
|------------------------------|---|
| <b>System Size/Weight</b>    | 1626 x 864 x 711 mm (64 x 34 x 28 in.)<br>500 lbs ( 227 Kg)   |
| <b>Build Tray Dimensions</b> | 355 x 254 x 355 mm (14 x 10 x 14 in.)   |
| <b>Material Delivery</b>     | 4 material spool bays, 2 for model, 2 for support located in a drawer on the front of the unit  |
| <b>Achievable Accuracy</b>   | Parts are produced within an accuracy of +/- .200 mm (.008 in), or +/- .002 mm/mm (.002 in/in), whichever is greater  |
| <b>Network Connectivity</b>  | Wired: TCP/IPv6 protocols at 100 Mbps minimum 100 base T, Ethernet protocol, RJ45 connector<br>Wireless-ready: IEEE 802.11n, g, or b; Authentication: WPA2-PSK, 802.1x EAP Encryption: CCMP, TKIP |
| <b>Operator Attendance</b>   | Limited attendance for job start and stop required  |
| <b>Software</b>              | GrabCAD Print and Insight software, MTConnect enabled   |
| <b>Operating Environment</b> | Operating: Temperature: 15 – 30 °C (59 – 86 °F), Humidity: 30 – 70% RH<br>Storage: 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   |
| <b>Operating System</b>      | Windows 10 (64 bit only) and Window 11 with a minimum of 4GB RAM (8GB or more recommended)  |

# F370CR Composite Printer



## Material

Printer

Model Material

F370CR

ABS-M30, ASA, FDM® TPU 92A, ABS-ESD7™, PC-ABS, Diran™ 410MF07, ABS-CF10, FDM® Nylon-CF10

## Layer Thickness - Stratasys Preferred Materials

| Material                    | 0.013 in.<br>(0.330 mm) | 0.010 in.<br>(0.254 mm) | 0.007 in.<br>(0.178 mm) | 0.005 in.<br>(0.127 mm) <sup>3</sup> |
|-----------------------------|-------------------------|-------------------------|-------------------------|--------------------------------------|
| ABS-M30                     | ●                       | ●                       | ●                       | ●                                    |
| ASA                         | ●                       | ●                       | ●                       | ●                                    |
| PC-ABS                      | ●                       | ●                       | ●                       | ●                                    |
| ABS-ESD7                    | ○                       | ●                       | ○                       | ○                                    |
| Diran 410Mf07               | ●                       | ●                       | ●                       | ○                                    |
| FDM TPU 92A                 | ○                       | ●                       | ●                       | ○                                    |
| ABS-CF10 <sup>1</sup>       | ●                       | ●                       | ●                       | ●                                    |
| FDM Nylon-CF10 <sup>2</sup> | ●                       | ●                       | ●                       | ○                                    |

<sup>1</sup> Hardened print head is recommended for extended head life but will also operate using standard F123 and ABS-CF10 print heads.

<sup>2</sup> Dedicated FDM Nylon-CF10 hardened print head required.

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



[stratasys.com](http://stratasys.com)  
ISO 9001:2015  
Certified

Stratasys Headquarters  
7665 Commerce Way,  
Eden Prairie, MN 55344  
+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

© 2024 Stratasys. All rights reserved. Stratasys, the Stratasys Signet logo, and FDM, are registered trademarks of Stratasys Inc. ABS-M30, ABS-ESD7, FDM Nylon-CF10, FDM TPU 92A, and GrabCAD Print are trademarks of Stratasys, Inc. All other trademarks are the property of their respective owners, and Stratasys assumes no responsibility with regard to the selection, performance, or use of these non-Stratasys products. Product specifications subject to change without notice. PSS\_FDM\_F370CR\_1024a