F370CR Composite Printer

The F370®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

The F370CR, under new part number 123-80010, is GREENGUARD Certified per UL 2904 when using ABS, ASA, Nylon-CF10 with QSR and SUP4000B support materials. GREENGUARD Certification validates that the printer and material combination meet low chemical emission limits.

F370CR Printer and Material Specifications	
System Size/Weight	1,626 x 864 x 711 mm (64 x 34 x 28 in.) 500 lbs (227 Kg)
Build Tray Dimensions	355 x 254 x 355 mm (14 x 10 x 14 in.)
Material Delivery	4 material spool bays, 2 for model, 2 for support located in a drawer on the front of the unit
Achievable Accuracy	**XY part accuracy:** ± 0.200 mm or ± 0.002 mm/mm (± 0.008 in. or ± 0.002 in./in.), whichever is greater. **Z part accuracy:** ± 0.200 mm or ± 0.002 mm/mm (± 0.008 in. or ± 0.002 in./in.), whichever is greater, plus one layer height. Accuracy is geometry and material dependent. Achievable accuracy specification derived from statistical data at 95% dimensional yield.
Network Connectivity	**Wired:** TCP/IPv6 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
Operator Attendance	Limited attendance for job start and stop required
Software	GrabCAD Print, GrabCAD Print Pro[1], and Insight Software, MTConnect enabled
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
Operating System	Windows 10 and 11 (64 bit only) with a minimum of 8GB RAM (16GB or more recommended)
Certifications[2]	GREENGUARD Certified per UL 2904 when using ABS-M30, ASA, Nylon-CF10 with QSR and SUP4000B support materials

[1] GrabCAD Print Pro is available on a subscription basis.
[2] GREENGUARD Certification is available on new F370CR systems under part number 123-80010.

Material Options

Stratasys Preferred Materials

Material	Layer Thickness 0.13 mm (0.005 in.)	0.18 mm (0.007 in.)	0.25 mm (0.010 in.)	0.33 mm (0.013 in.)	Support Structure	Available Colors
ABS-CF10	● [1]	●	●	●	Soluble	■ Black
ABS-ESD7	○	○	●	○	Soluble	■ Black
ABS-M30™	●	●	●	●	Soluble	■ Natural, ■ Black, □ White, ■ Dark Gray, ■ Blue, ■ Red, ■ Green, ■ Yellow, ■ Orange
ASA	●	●	●	●	Soluble	■ Natural, ■ Black, □ White, ■ Dark Gray, ■ Light Gray, ■ Dark Blue, ■ Green, ■ Yellow, ■ Orange, ■ Red
Diran 410MF07	○	●	●	●	Breakaway	■ Dark Gray
FDM® Nylon 12CF [2]	○	○	●	○	Soluble / Breakaway	■ Black
FDM Nylon-CF10 [3]	○	●	●	●	Soluble / Breakaway	■ Dark Gray
FDM TPU 92A [4]	○	●	●	○	Soluble	■ Black
PC-ABS	●	●	●	●	Soluble	■ Black, □ White

Stratasys Validated Materials

Material	Layer Thickness 0.13 mm (0.005 in.)	0.18 mm (0.007 in.)	0.25 mm (0.010 in.)	0.33 mm (0.013 in.)	Support Structure	Available Colors
FDM TPU 92A [4]	○	○	●	○	Soluble	■ Red

[1] F123 T14H Head (123-00603-S) is the only approved head for 0.13 mm (0.005 in.) with ABS-CF10.
[2] Dedicated N20H hardened print head (123-00901-S) is required to print with FDM Nylon 12CF.
[3] Dedicated FDM Nylon-CF10 hardened print head (123-00602-S) is required to print with FDM Nylon-CF10.
[4] Dedicated elastomer extrusion head (123-00321-S) is required to print with FDM TPU 92A.

stratasys

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
Rehovot, 7670401
Israel
+972 74 745 4000
+972 74 745 5000 (Fax)

PRODUCT SPEC SHEET
FDM

© 2026 Stratasys. All rights reserved. Stratasys, the Stratasys Signet logo, FDM, and F370, 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_1026a