

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 ¹	Parts are produced within an accuracy of +/- .200 mm (.008 in), or +/- .002 mm/mm (.002 in/in), whichever is greater
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 ² , 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 ³	GREENGUARD Certified per UL 2904 when using ABS, ASA, Nylon-CF10 with QSR and SUP4000B support materials

¹ 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.

² GrabCAD Print Pro is available on a subscription basis.

³ GREENGUARD Certification is available on new F370CR systems under part number 123-80010.



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.)		
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
PC-ABS	●	●	●	●	Soluble	Black White
Diran 410MF07	○	●	●	●	Breakaway	Dark Gray
ABS-ESD7	○	○	●	○	Soluble	Black
FDM Nylon-CF10 ²	○	●	●	●	Soluble / Breakaway	Dark Gray

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 0.005 in. (0.127 mm) with ABS-CF10.

² Dedicated FDM Nylon-CF10 hardened print head is required



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ISO 9001:2015
Certified

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PRODUCT SPEC SHEET

FDM

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