

Stratasys F123 Series



Reliable. Repeatable. Exceptional.



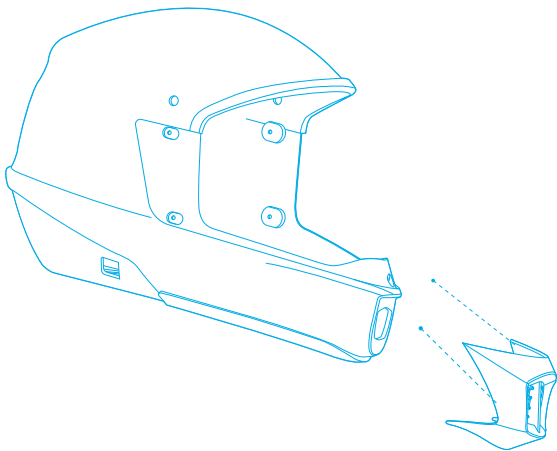
3D
F123



REPRESENTED BY:
Allegheny Educational Systems, Inc.
320 East 3rd Avenue
Tarentum, PA 15084
Phone: 800-232-7600
www.alleghenyedusys.com

Precision 3D printing. Easy as F123.

**More reliable, more affordable,
more productive rapid prototyping
and manufacturing than ever before.**



More speed. More productivity.

F123 Series 3D printers give designers, engineers and educators access to affordable, industrial-grade 3D printing. Work faster through concept iterations and component verification. Make jigs, fixtures and manufacturing tools faster, with strong, stiff materials. Increase productivity and reach your goals sooner with repeatable results.



Smoother workflow. Quieter workspace.

F123 3D printers are designed for supreme ease of use and a more streamlined workflow, working seamlessly with the design-to-print GrabCAD Print™ software. They provide the reliability and simplicity needed in a 3D printing platform to refine designs. This can be done within the work space, thanks to clean, quiet, safety-certified printers.

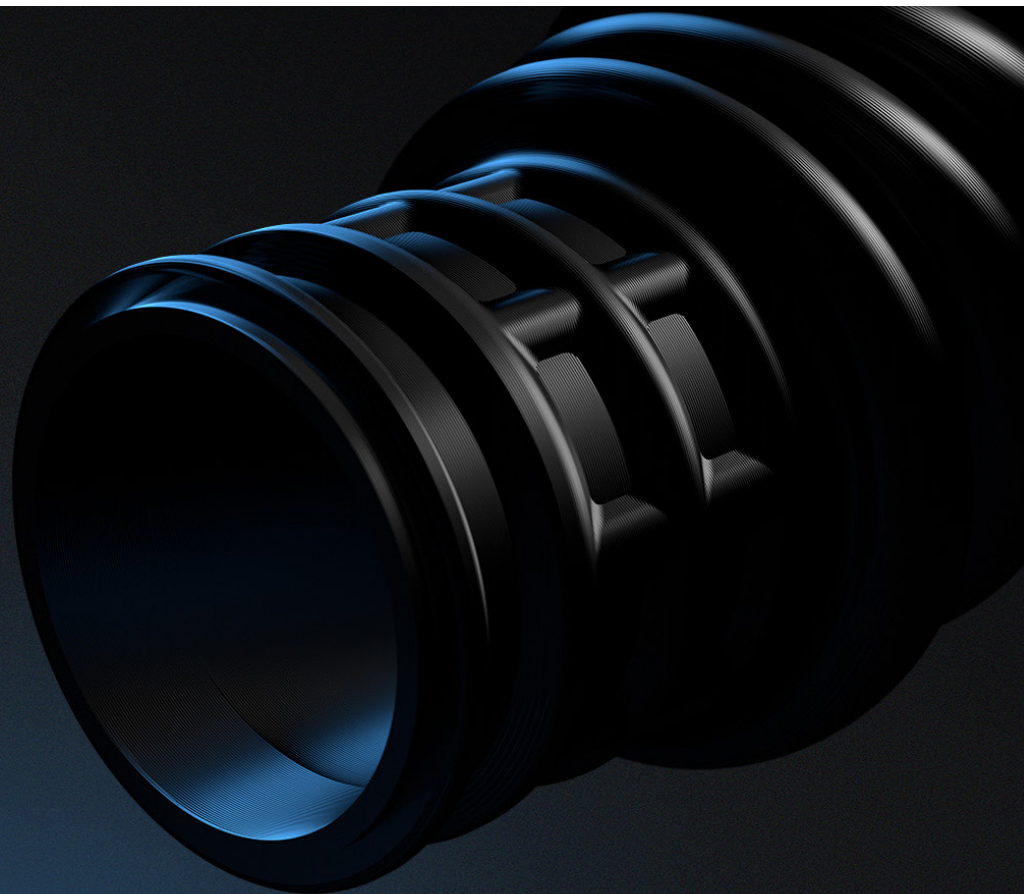


Data protection. When you need it.

Safeguard your 3D printing data with Stratasys ProtectAM™. Available on the F370, ProtectAM technology provides data security, including U.S. Department of Defense STIG compliance, for ongoing security of information processing.

Elastomer

Print large, complex elastomer parts with the F170™, F270™ and F370™ printers.



30 years of expertise.
100,000 hours of testing.
Only one F123 Series.

For companies and schools new to 3D printing and established users alike, Stratasys F123 3D printers are the game-changing choice, with the highest levels of plug-and-print reliability and repeatable accuracy.



More choices. More possibilities.

From the affordable F170™ through the versatile F370, the choices available with F123 Series printers are unmatched. Work with a wide range of materials including carbon fiber ABS and elastomer. Achieve complex geometries and interlocking components with our unique soluble support material. However intricate the part, the soluble support dissolves to leave a pristine finish, requiring no hands-on removal.



Want to know more?
View the full specifications of our F123 Series
below or contact us for a recommendation on
the right system for you at [Stratasys.com](https://stratasys.com).



PRODUCT SPECIFICATIONS

System Size and Weight	F170, F270, F370: 1,626 x 864 x 711 mm (64 x 34 x 28 in.), 227 kg (500 lbs) with consumables				
Noise Specification	46 dB maximum during build, 35 dB when idle				
Layer Thickness		0.330mm (0.013 in.)	0.254mm (0.010 in.)	0.178mm (0.007 in.)	0.127mm (0.005 in.) ¹
	PLA	○	●	○	○
	ABS-M30	●	●	●	●
	ABS-CF10	●	●	●	○
	ASA	●	●	●	●
	PC-ABS	●	●	●	●
	ABS-ESD7™	○	●	●	○
	Diran™ 410MF07	●	●	●	○
	FDM™ TPU 92A	○	●	●	○
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/IP 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				
System Requirements	Windows 7, 8, 8.1 and 10 (64 bit only) with a minimum of 4GB RAM (8 GB or more recommended)				
Operating Environment	Operating: Temperature: 59 – 86 °F (15 – 30 °C), Humidity: 30 – 70% RH Storage: Temperature: 32 – 95 °F (0 – 35 °C), 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				

	F170	F270	F370
Available material	PLA ² , ABS-M30, ABS-CF10, ASA, TPU 92A, QSR Support material	PLA ² , ABS-M30, ABS-CF10, ASA, TPU 92A, QSR Support material	PLA ² , ABS-ESD7, ABS-M30, ABS-CF10, ASA, Diran 410MF07 ² , FDM TPU 92A, PC-ABS, QSR Support material
Build tray dimension	254 x 254 x 254 mm (10 x 10 x 10 in.)	305 x 254 x 305 mm (12 x 10 x 12 in.)	355 x 254 x 355 mm (14 x 10 x 14 in.)
Material Bays	2 total 1 model / 1 support	4 total 2 model / 2 support	4 total 2 model / 2 support
Software	GrabCAD Print	GrabCAD Print	GrabCAD Print Insight™ ProtectAM ³

HEADQUARTERS

USA

7665 Commerce Way,
Eden Prairie, MN 55344, USA

+1 800 801 6491 (US Toll Free)
+1 952 937 3000 (Intl)
+1 952 937 0070 (Fax)

Israel

1 Holtzman St., Science Park,
PO Box 2496 Rehovot 76124, Israel

+972 74 745 4000
+972 74 745 5000 (Fax)

ISO 9001:2015 Certified

© 2021 Stratasys. All rights reserved. Stratasys, the Stratasys Signet logo and FDM are registered trademarks of Stratasys Inc. F170, F270, F370, ABS-M30, FDM TPU 92A, Diran 410MF07, ABS-ESD7, GrabCAD Print and ProtectAM are trademarks of Stratasys, Inc. Red Hat is a registered trademark of Red Hat, Inc. in the United States and other countries. 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.
BR_FDM_F123_1021a

¹ Accuracy is geometry-dependent. Achievable accuracy specification derived from statistical data at 95% dimensional yield. Z part accuracy includes an additional tolerance of -.000/+slice height.

² PLA and Diran 410MF07 do not utilize soluble support material. The supports are made of breakaway PLA.

³ U.S. government agency STIG compliance via Stratasys ProtectAM technology is powered by Red Hat® Enterprise Linux® software.