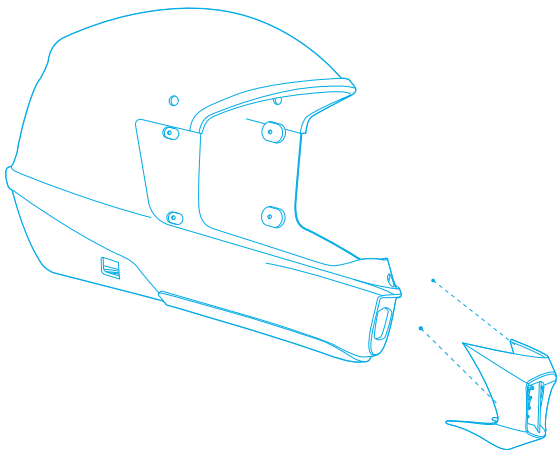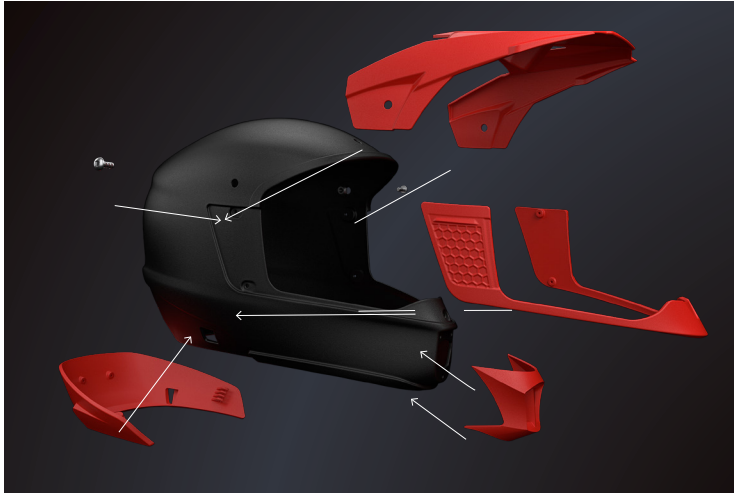# Stratasys
F123 Series

Reliable. Repeatable. Exceptional.

F123

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.
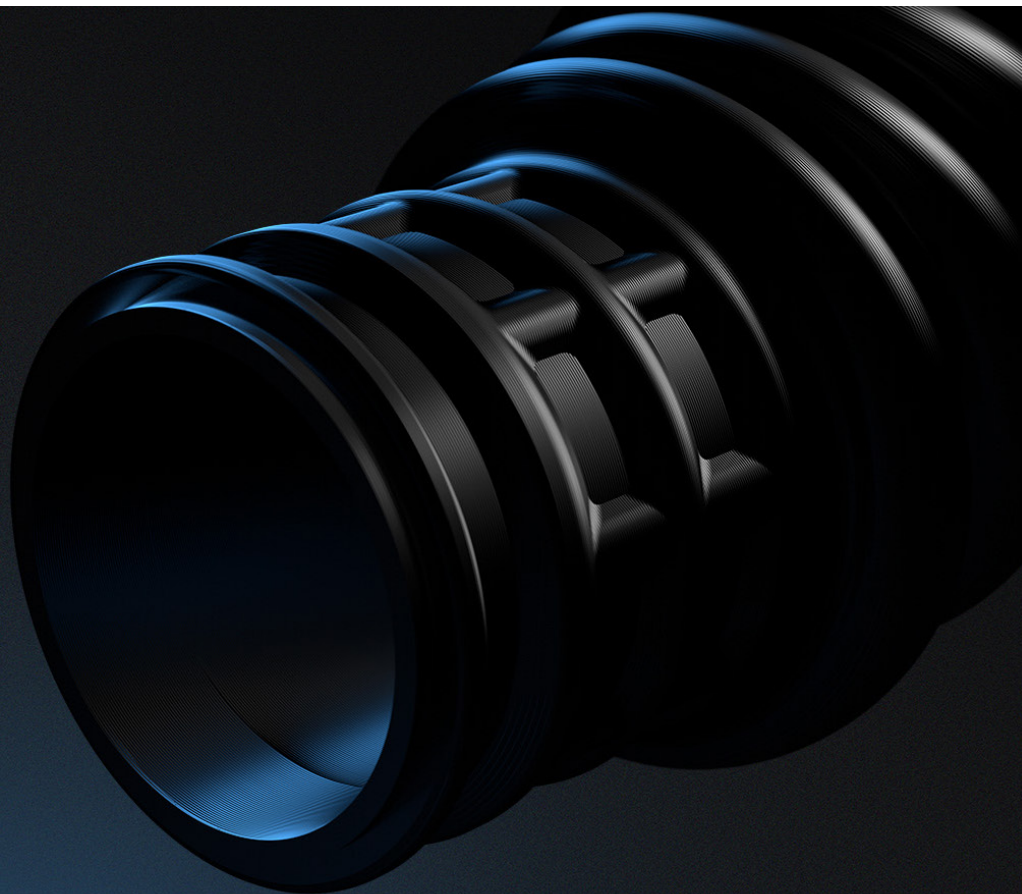
Data protection.
When you need it.

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 F120™ 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.

*Not available on the F120.

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.

stratasys®

PRODUCT SPECIFICATIONS

System Size and Weight	**F120:** 889 x 870 x 721 mm (35 x 35 x 29 in.), 124 kg (275 lbs) **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[1]	●	●	●	○
ASA	●	●	●	●
PC-ABS	●	●	●	●
ABS-ESD7™	○	●	●	○
Diran™ 410MF07	●	●	●	○
FDM™ TPU 92A	○	●	●	○

Accuracy[2]	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 ºF (15 – 30 ºC), Humidity: 30 – 70% RH **Storage:** Temperature: 32 – 95 ºF (0 – 35 ºC), 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

	F120	F170	F270	F370
Available material	ABS-M30™, ASA, SR-30 Support material	PLA[3], ABS-M30, ABS-CF10, ASA, TPU 92A, QSR Support material	PLA[3], ABS-M30, ABS-CF10, ASA, TPU 92A, QSR Support material	PLA[3], ABS-ESD7, ABS-M30, ABS-CF10, ASA, Diran 410MF07[3], FDM TPU 92A, PC-ABS, QSR Support material
Build tray dimension	254 x 254 x 254 mm (10 x 10 x 10 in.)	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 (external) 1 model / 1 support	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	GrabCAD Print Insight™ ProtectAM[4]

HEADQUARTERS

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[1] Not available on the F120

[2] 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.

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

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