

# Stratasys F123 Series



Reliable. Repeatable. Exceptional.



F123

# Precision 3D printing. Easy as F123.

More reliable, more affordable,  
more professional rapid  
prototyping than ever before.



## More speed. More precision.

Our F123 Series of 3D printers enable designers and engineers to work faster through design concept iterations and component verification to precise, functional prototypes. You can reach your market sooner, eliminate post-production quality snags and outperform the competition.



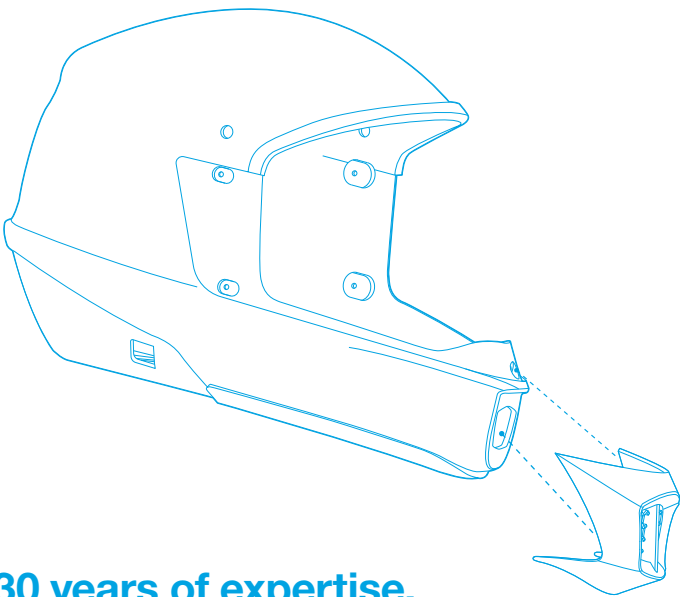
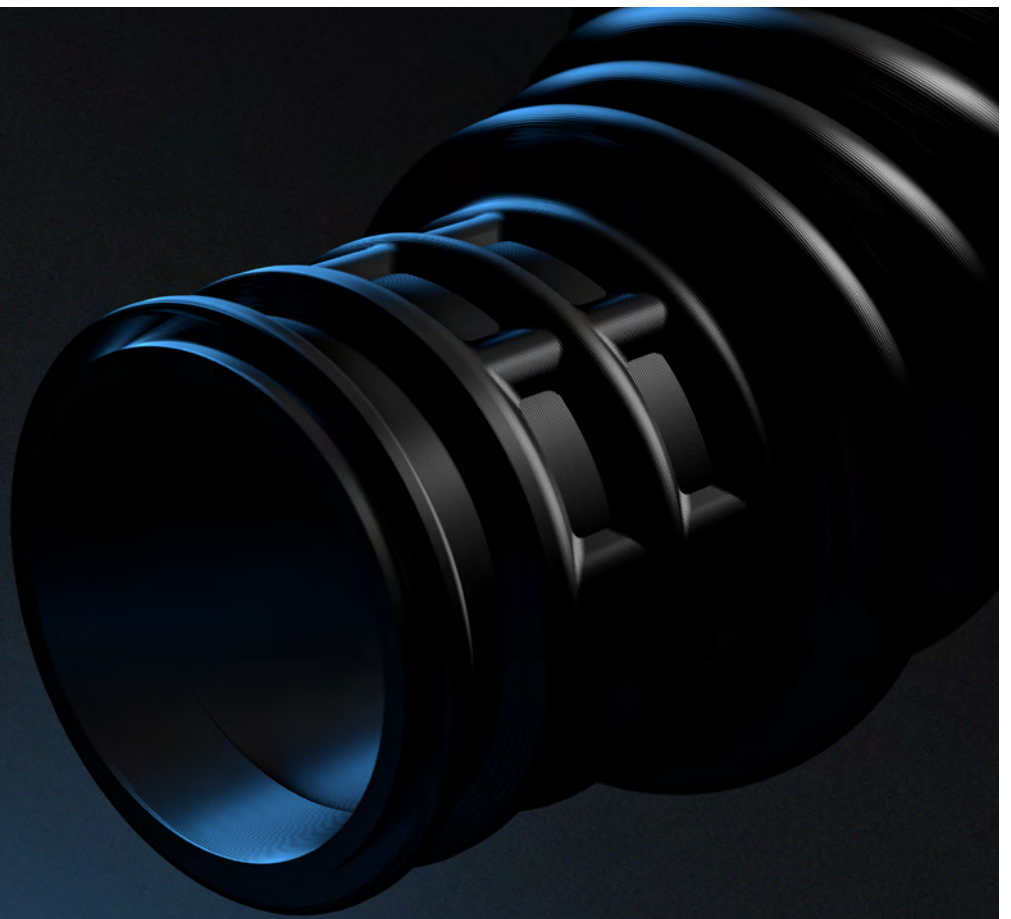
## Smoother workflow. Quieter workspace.

Our F123 3D Printers are designed for supreme ease of use and a more streamlined workflow, working seamlessly with our design-to-print GrabCAD Print™ software. They provide the reliability and simplicity needed in a rapid prototyping platform to refine designs. This can be done within the office space, thanks to clean, safety-certified printers that are the quietest on the market.



## Elastomer

Our new elastomer material can be directly printed from the F123 Series.



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

For companies new to 3D printing and established users alike, Stratasys F123 3D Printers are the game-changing choice, with the highest levels of plug-and-play reliability



## More materials. More possibilities.

The F123 Series works with a wide range of materials, including our new 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://www.stratasys.com)**



**PRODUCT SPECIFICATIONS**

System Size and Weight	1626 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	<table border="1"> <thead> <tr> <th></th> <th>0.330mm</th> <th>0.254mm</th> <th>0.178mm</th> <th>0.127mm</th> </tr> </thead> <tbody> <tr> <td>PLA</td> <td>○</td> <td>●</td> <td>○</td> <td>○</td> </tr> <tr> <td>ABS</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>ASA</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>PC-ABS</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>TPU 92A</td> <td>○</td> <td>●</td> <td>○</td> <td>○</td> </tr> </tbody> </table>		0.330mm	0.254mm	0.178mm	0.127mm	PLA	○	●	○	○	ABS	●	●	●	●	ASA	●	●	●	●	PC-ABS	●	●	●	●	TPU 92A	○	●	○	○
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	PC-ABS	●	●	●	●																										
TPU 92A	○	●	○	○																											
Accuracy <sup>2</sup>	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 (64bit only) with a minimum of 4GB RAM (8GB 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 <sup>1</sup> , ABS-M30, ASA, TPU 92A	PLA <sup>1</sup> , ABS-M30, ASA, TPU 92A	PLA <sup>1</sup> , ABS-M30, ASA, PC-ABS, TPU 92A
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	2 total 1 model / 1 support	4 total 2 model / 2 support
Software	GrabCAD Print™	GrabCAD Print™	GrabCAD Print™ Insight

**HEADQUARTERS**

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ISO 9001:2008 Certified

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1 PLA does not utilize soluble support material. The supports are made of breakaway PLA.  
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.