



# The Stratasys F123 Series

SMARTER PROTOTYPING FOR EDUCATION

**All-in-one power.  
All-new possibilities.**

Now there's a more capable, more affordable professional 3D printing solution for education – from the leader in 3D printing. The Stratasys F123 series combines powerful FDM technology with design-to-print GrabCAD software for the most versatile and intelligent solution available. Produce highly accurate, reliable prototypes, student projects, production parts and more. Do it all without the need for dedicated expert staffing. And share it all across classrooms, campuses and a variety of your academic programs.

**Together, we can shape what's next.**



STRATASYS F123 SERIES

**stratasys**



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## No Expertise Needed

The new Stratasys F123 series is easy to operate and maintain for all experience levels.

The three printers in the platform, the Stratasys F170™, F270™ and F370™, support nearly any capability or budget your curriculum requires.

**Minimal setup** means you can plug and play to start 3D printing. The Stratasys F123 series is classroom-ready.

**Auto-calibration** ensures you spend less time troubleshooting and more time 3D printing.

**Fast and easy material swaps** streamline the transition time between projects, so nothing slows you down.

## Smart Software

GrabCAD Print™ software simplifies the entire 3D printing process with an intuitive CAD-like application anyone can use. And features like detailed reporting and remote monitoring make it easy to manage and control prints. GrabCAD Print also allows for seamless sharing of projects and files from any device for more collaboration and creation. It's all so easy to use, every student can take advantage of the exciting power of 3D printing.

## More Ways to Make

The Stratasys F123 series offers a range of strength and layer resolution options to suit almost any learning application. And only the Stratasys F123 series gives the option of up to four different materials, along with our easy-to-remove soluble support\*. Its ability to accurately reproduce virtually any shape in real production plastics both inspires creativity and encourages problem solving. The versatility of this new platform effortlessly adapts to many different classroom and student needs.

\*The Stratasys F170 and F270 models support PLA, ABS-M30 and ASA materials; the Stratasys F370 supports PLA, ABS-M30, ASA and PC-ABS materials. PLA uses breakaway support only.

## More Efficiency

The Stratasys F123 series also features **the all-new fast-draft mode** to produce design concepts quickly and economically. Now you can print twice as fast as standard build mode while consuming just a third of the material on average. For even more efficiency and savings, choose PLA. A thermoplastic made from renewable resources, PLA gives you the speed of fast-draft mode while keeping material expenses down. Spend less, create more. That's smarter 3D printing.

## Exceptional Value and Performance

The all-in-one power of the Stratasys F123 series provides value all around — with expanded capabilities and unprecedented accessibility. New and improved features save time and material. Incredible ease of use with both the hardware and the software means you don't need special 3D printing expertise. Super quiet and classroom friendly. Reliable, consistent printing ensures less waste and more output. All built into a powerful printer that can handle heavy workloads. Let nothing slow your students down.



### 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				
Model Capabilities		Stratasys F170	Stratasys F270	Stratasys F370	
	Maximum Build Size (XYZ)	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.)	
	Model Materials	PLA <sup>1</sup> , ABS-M30™, ASA, QSR support material	PLA <sup>1</sup> , ABS-M30, ASA, QSR support material	PLA <sup>1</sup> , ABS-M30, ASA, PC-ABS, QSR support material	
Layer Thickness		0.013 in. (0.330 mm)	0.010 in. (0.254 mm)	0.007 in. (0.178 mm)	0.005 in. (0.127 mm)
	PLA		X		
	ABS	X	X	X	X
	ASA	X	X	X	X
	PC-ABS	X	X	X	X
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.				
Material Delivery Options	Stratasys F170 = 2 material spool bays, 1 for model, 1 for support located in a drawer on the front of the unit Stratasys F270/F370 = 4 material spool bays, 2 for model, 2 for support located in a drawer on the front of the unit				
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				
Software	GrabCAD Print (download): Stratasys F170, F270 and F370 Insight software license: Stratasys F370 only				
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				

<sup>1</sup> PLA does not utilize soluble support material. The supports are made of breakaway PLA.

<sup>2</sup> 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.

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The Stratasys F123 series is the ultimate, all-in-one 3D printing education solution. Our platform is backed by 25 years of experience with over 20,000 loyal Stratasys customers worldwide. As the world's leader in 3D printing, Stratasys provides unrivalled levels of support, application knowledge, and industry collaboration. Which puts you at the **forefront of what's next.**

DISCOVER MORE AT [STRATASYS.COM](https://www.stratasys.com)

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**stratasys**

A GLOBAL LEADER IN APPLIED ADDITIVE TECHNOLOGY SOLUTIONS

ISO 9001:2008 Certified

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