

Breakthrough 3D Printing Same Day, Strong Parts



Markforged empowers engineers and manufacturers to remove the multiple barriers between design and strong, functional, finished parts.

Markforged products transcend the realm of 3D printing prototypes and trinkets to give you strength and function.

- Print end-use fiber reinforced parts
- The finished, sleek look and feel of Onyx
- Effortless browser-based software
- Award-winning industrial design



Our Materials

Materials combine to give you superior strength starting with our base plastics and reinforcing with continuous composite fibers. Engineer parts for toughness, strength, high temperature, stability, and resilience.

Plastics

- **Onyx**—micro-carbon infused nylon strong, stiff, and heat tolerant parts
- **Nylon**—tough, flexible, and versatile with a smooth surface for a wide variety of applications

Continuous Fiber

- **Fiberglass**—for stronger, tougher 3D printed parts
- **Carbon Fiber**—for the strongest and lightest 3D printed parts available
- **Kevlar**—impact and abrasion resistant reinforcement
- **HSHT Fiberglass**—fiber reinforcement for high-temperature environments



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SPECIFICATIONS

	Onyx One	Onyx Pro	Mark Two*	X3	X5	X7
Printing Technology						
Fused Filament Fabrications (FFF)	X	X	X	X	X	X
Continuous Filament Fabrication (CFF)		X	X	X	X	X
Build Size (X,Y,Z)						
	320mm X	320mm X	320mm X	330mm X	330mm X	330mm X
	132mm X	132mm X	132mm X	270mm X	270mm X	270mm X
	154mm	154mm	154mm	200mm	200mm	200mm
Material Compatibility						
Onyx*	X	X	X*	X	X	X
Nylon*			X*			X
Fiberglass Filament		X	X		X	X
Carbon Fiber			X			X
Kevlar			X			X
High Strength High Temp Fiberglass			X			X

*Users decide at time of purchase which plastic they would like to print

Desktop Series: Industry leading strength in a desktop platform

3D printing is evolving into a serious engineering and manufacturing tool. The Desktop Series Printers: Onyx One and Onyx Pro are designed to be every engineer and designer's first printer, fulfilling the Markforged mission of strong, beautiful carbon fiber parts everywhere. Each component—the hardware, software, and materials—combine to deliver the first accessible 3D printing experience on the market that everyone will love to use. The Mark Two combines Markforged's unique continuous carbon fiber reinforcement with workhorse reliability for the strongest, most versatile parts in our portfolio. It enables you to go from CAD to beautiful, end-use strong parts in hours. With your choice of reinforcement and plastics, remove the time, hassle, and design iterations and put your parts to use right off the printer engineered with the right material for any job.

Industrial Series:—Industrial Strength 3D Printing with Scale and Precision

Markforged introduces the X3 and X5 and renames the Mark X to X7 to provide a full range of industrial solutions. This printer series lets manufacturers of all sizes have access to industrial-strength 3D printing and avoid dealing with long lead times associated with traditional machining or the need to outsource printed parts..

Eiger/Software—Organize, Reinforce and Optimize Prints from Anywhere

High-strength 3D composite printing requires innovative smart software. Easily control the strength and quality of your prints with Eiger, our intelligent, online platform. Whether you have one printer or many, organize, collaborate, and invent in one integrated system.

As one of the most well respected and innovative 3D printing companies in the market today, Markforged's mission is to bring high strength 3D printing to every production shop and desktop. Offering the world's only 3D printing systems capable of automatically reinforcing engineering plastics to aluminum levels of performance and beyond, Markforged enables every business to easily manufacture parts with structural strength right on the desktop. Markforged Industrial Strength 3D Printers empower professional users to affordably create workhorse 3D parts that solve real problems, as well as realize reinforced structures never before possible. Markforged technologies are delivered with thoughtful, powerful software designed for collaboration, sharing, and scaling.. For more information, visit <https://www.Markforged.com>.