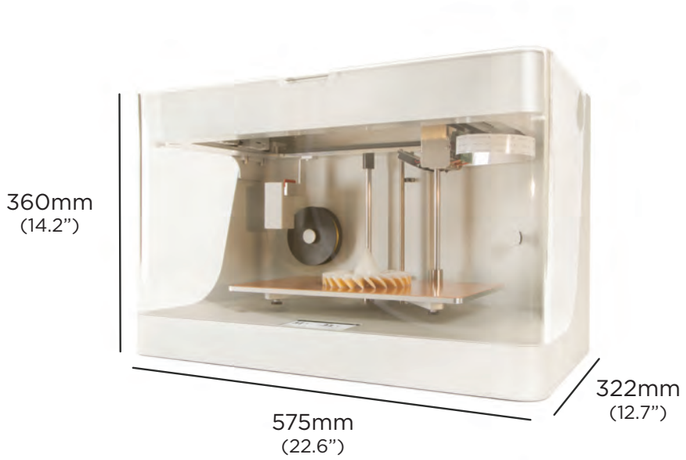
Features + Specifications

10 Micron repeatability

Bed leveling made easy.
Introducing the kinematic coupling.

Stop wasting time with bed leveling. Once adjusted, the Mark One's bed clicks into the same place every time – within 10 microns. That's the beauty of kinematic couplings.



Pre-order now at http://markforged.com.

PRINTING		
Printing Technology	Fused Filament Fabrication (FFF) Continuous Filament Fabrication (CFF)	
Build Size (X, Y, Z)	320mm x 132mm x 160mm (12.6" x 5.2" x 6.3", 412ci)	
Material Compatibility	Carbon Fiber, Kevlar®, Fiberglass, Nylon	
Highest Layer Resolution	FFF Printing: 100 Microns	CFF Printing: 200 Microns
Extruders	Dual Quick Change	
Filament Sizes	FFF: 1.75mm	CFF: MF4
Pause / Resume Prints	Yes	

MECHANICAL	
Chassis	Anodized Aluminum Unibody
Build Platform	Kinematically Coupled
Draft Blocking Enclosure	Yes
Interface	4" Touchscreen

SOFTWARE	
Software	Cloud Enabled
Supported OS	Mac OS 10.7 Lion +, Win 7+, Linux*
Supported Browser	Chrome 30+, Firefox 10+, Safari 6+*
Supported files	.STL, .OBJ
Connectivity	WiFi, Ethernet, USB

ALL FEATURES SUBJECT TO CHANGE WITHOUT NOTICE.
*LIMITED SUPPORT.

Authorized Reseller:

MARKFORG3D

HTTP://MARKFORGED.COM
PRINTSTRONGER@MARKFORGED.COM

3D PRINT 5X STRONGER.

INTRODUCING THE WORLD'S FIRST
CARBON FIBER 3D PRINTING.

MARKFORG3D

Brilliant ideas need brilliant materials.

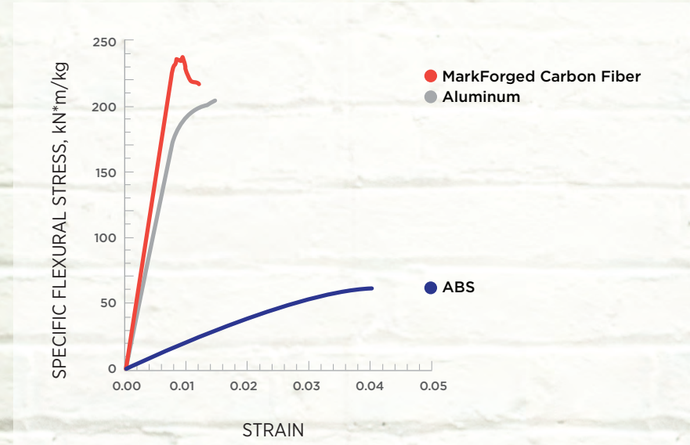
Carbon Fiber Filament
Kevlar® Filament
Fiberglass Filament
Nylon Filament

A true multi-material 3D Printer.

Designed to overcome the strength limitations of other 3D printed materials, the MarkForged Mark One™ 3D printer is the world's first 3D printer designed to print composite materials. Now you can print functional parts, tooling, and fixtures with a higher strength-to-weight ratio than 6061-T6 Aluminum.

The Mark One uses a patent pending Continuous Filament Fabrication (CFF™) process to 3D print continuous strand carbon fiber, Kevlar®, and fiberglass. Utilizing the CFF™ print head and one FFF (Fused Filament Fabrication) print head, the Mark One can create astonishingly robust parts by reinforcing MarkForged's special blend of nylon with continuous fiber filaments.

20x stiffer than ABS.
5x stronger.



Beautifully strong.

Print real parts at your desk.
Continuous Filament Fabrication (CFF™) allows you to 3D print parts that are stronger than CNC machined aluminum by weight.

A true multi-material machine.
- **Carbon Fiber –** Highest strength-to-weight.
- **Kevlar® –** Highest abrasion resistance.
- **Fiberglass –** Highest strength-to-cost.
- **Nylon –** Tough engineering plastic.

3D Print advanced materials safely.
No nasty chemicals. No post-curing. This is one 3D printer you'll be happy to sit next to.

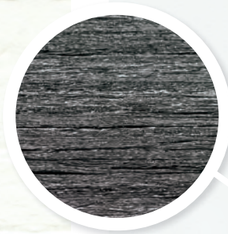
An aspect ratio made for engineers.
Parts often have a long axis. That's why CNC machines are designed with a long axis, and why we followed suit.

Print more in less space.
We've constructed a large, industry-leading build size into a compact desktop package so you can create full scale parts in just about any workspace.

Print with precision.
The aluminum unibody construction provides the high stiffness and rigidity you'd expect in a precision machine.

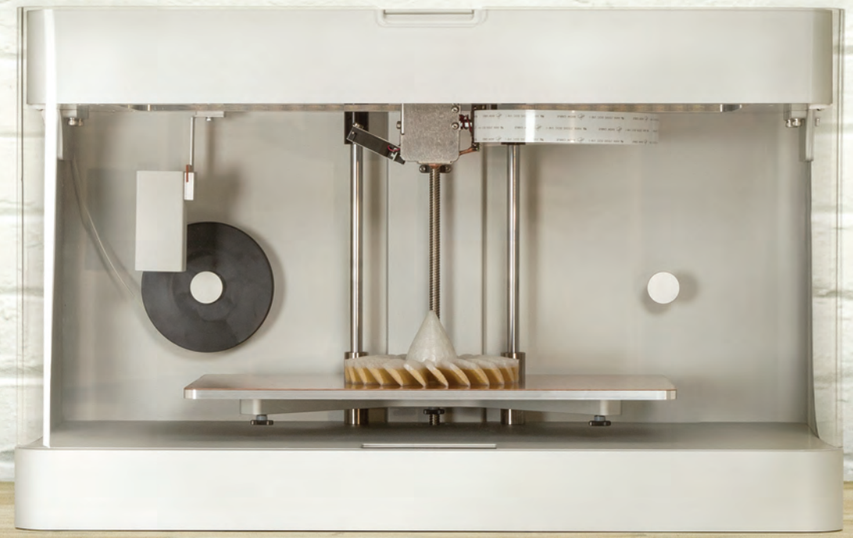
One part. Thousands of Continuous Carbon Fibers.

The incredible strength of carbon fiber comes from the long, continuous strands that carry load down the entire part. This is why space shuttles, rockets, and Formula 1® cars are constructed from continuous strand carbon, and it's how we print. Don't settle for plastic with a dash of chopped carbon fill – **longer is stronger.**



This CFF™ 3D Printed part is packed with tens of thousands of full length, continuous carbon fiber strands.

Cut-away of Aeromotions Race Car Wing Support



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