

The First Engineering Desktop 3D Printer





Are your projects slowed by long turnaround times from a machine shop or service bureau?

Is the time or cost of machined aluminum parts getting in your way?

Are you tired of having to say "no" to potential customers because your machining resources are tied up?



Markforged's Mark Two Industrial Strength 3D Printer is the only 3D printer on the market today that gives you the ability to go from CAD to strong, stiff parts you can trust to meet your design goals.

Far faster than internal or external 3D printing or machining services without breaking the bank.



Print with precision.

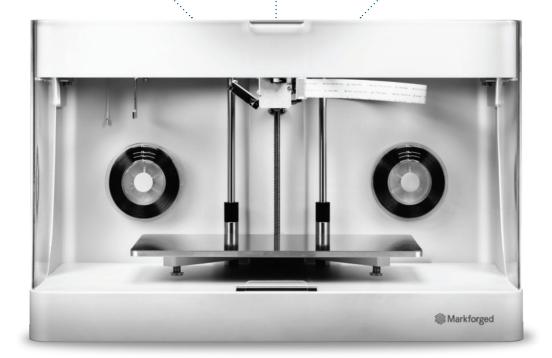


The aluminum unibody construction provides the high stiffness and rigidity you'd expect in a precision machine.









The Mark Two combines the design flexibility of 3D printing with the remarkable strength of in carbon

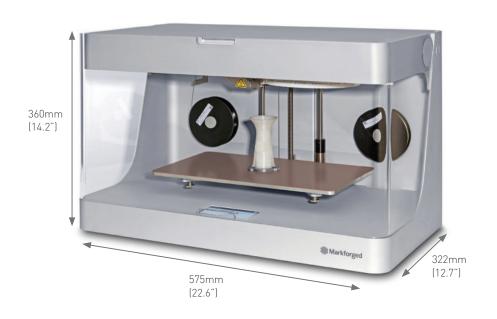
· Jigs, fixtures, and other tooling

fiber, fiberglass, and Kevlar® for:

- Custom end-use production parts
- Functional prototyping
- Structural parts

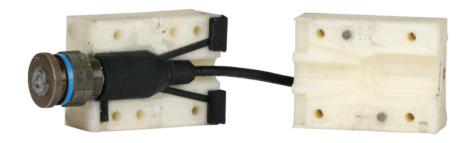
...any instance where stronger-than-plastic parts are needed fast and without costing a fortune.

The Mark Two uses a patented Continuous
Filament Fabrication (CFF) process to reinforce
3D printed nylon parts with automatically
contoured and optimized toolpaths of continuous
strand carbon fiber, Kevlar, and fiberglass.
Utilizing a dual head system with a CFF print
head and an FFF (Fused Filament Fabrication)
extrusion head, the Mark Two can create
astonishingly robust parts by leveraging the
properties of composite materials with a higher
strength-to-weight ratio than 6061-T6 Aluminum.



We don't just focus on the hardware; we also offer high quality, strong materials, with no fluid waste:

- Carbon Fiber highest strength-to-weight
- Kevlar highest abrasion resistance
- Fiberglass highest strength-to-cost
- Nylon tough engineering plastic
- Onyx stiff, micro-carbon fiber nylon
- High Temperature Fiberglass ideal for automotive, aerospace, and other industries that need material with a higher temperature deflection point



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.



PR	INT	ING

Printing Technology	Fused Filament Fabrication (FFF) Continuous Filament Fabrication (CFF)
Build Size (X, Y, Z)	320mm x 132mm x 154mm
Material Compatibility	Carbon Fiber, Kevlar®, Fiberglass, Nylon, Onyx and High-Strength, High-Temperature Fiberglass
Highest Layer Resolution	100 Microns (FFF)
Extruders / Nozzles	Dual / Quick Change
Pause / Resume Prints	Yes

MECHANICAL

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

SOFTWARE

Software	Cloud Based	
Supported OS	Mac OS 10.7 Lion +, Win 7+, Linux*	
Supported Browser	Chrome 30+	
Supported Files	.STL	
Connectivity	WiFi, Ethernet, USB Flash Drive	

Wir freuen uns auf Sie!

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