

THE MARK TWO DESKTOP 3D PRINTER

Print composite parts as strong as aluminum on our top-of-the-line desktop machine. The Mark Two combines Markforged’s unique continuous carbon fiber reinforcement with work horse reliability for the strongest, most versatile parts. As an industrial 3D printer in a desktop form factor, the Mark Two delivers high-performance parts straight off the print bed.



HIGH-STRENGTH PRINTING

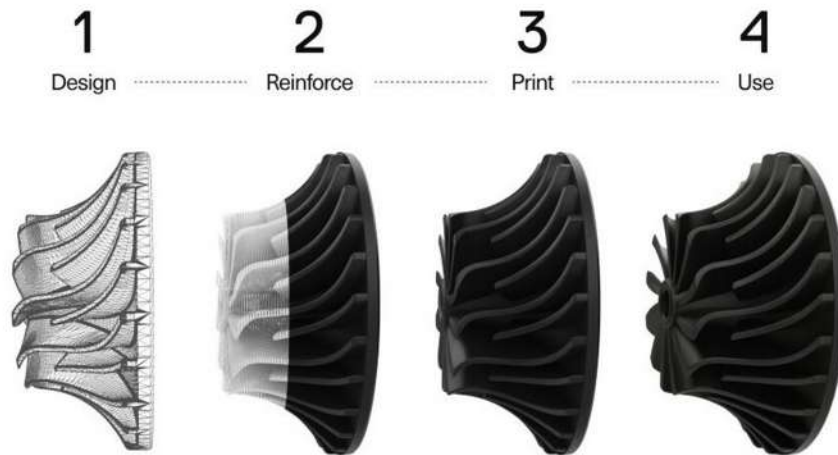
By reinforcing your parts with composite fiber while 3D Printing them, the Mark Two achieves unparalleled strength, stiffness and durability in its printed parts.

RANGE OF MATERIALS

In addition to printing Onyx, the Mark Two industrial grade 3D printer uses materials that no other 3D desktop printer can, like Carbon Fiber, Fiberglass and Kevlar.

Easy-To-Use

We built our own 3D Printing software that comes with the Mark Two. Printing a part to be flexible or strong is easy and intuitive.



CFF-Continuous Filament Fabrication

Formed from the combination of two materials, composite parts are incredibly strong and versatile. Our unique fabrication process enables you to print parts that are an order of magnitude stiffer and stronger than typical 3D printed objects.

Precision Design

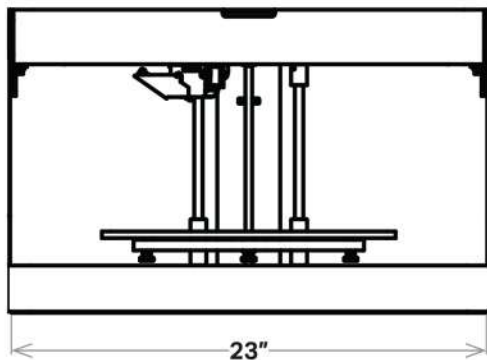
The Mark Two printbed clicks into place with 10 micron accuracy - allowing you to pause a print, remove the bed, add components, click the bed back in and then continue the print in the exact same position.

Mark Two (Gen 2)

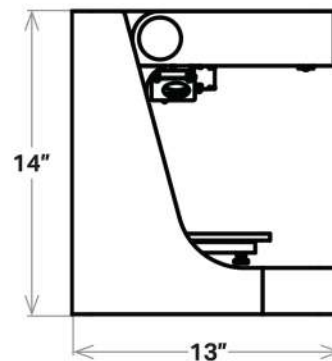
Replace machined aluminum tooling—jigs, jaws, and fixtures—with stronger parts for a fraction of the price. The Mark Two combines our unique continuous carbon fiber reinforcement with workhorse reliability for versatile parts with 26x the strength of ABS, ready same-day for use straight off the printer.

Printer Properties	Process	Fused filament fabrication, Continuous Filament Fabrication
	Build Volume	320 x 132 x 154 mm (12.6 x 5.2 x 6 in)
	Weight	16 kg (35 lbs)
	Machine Footprint	584 x 330 x 355 mm (23 x 13 x 14 in)
	Print Bed	Kinematic coupling — flat to within 160 µm
	Extrusion System	Second-generation extruder, out-of-plastic detection
	Power	100–240 VAC, 150 W (2 A peak)
	RF Module	Operating Band 2.4 GHz Wi-Fi Standards 802.11 b/g/n
	Materials	Plastics Available
Fibers Available		Carbon fiber, fiberglass, Kevlar®, HSHT fiberglass
Tensile Strength		800 MPa (25.8x ABS, 2.6x 6061-T6 Aluminum) *
Tensile Modulus		60 GPa (26.9x ABS, 0.87x 6061-T6 Aluminum) *
Part Properties	Layer Height	100 µm default, 200 µm maximum
	Infill	Closed cell infill: multiple geometries available
Software	Supplied Software	Eiger Cloud (Other options available at cost)
	Security	Two-factor authentication, org admin access, single sign-on

FRONT VIEW



SIDE VIEW



* Continuous carbon fiber data. **Note:** All specifications are approximate and subject to change without notice.