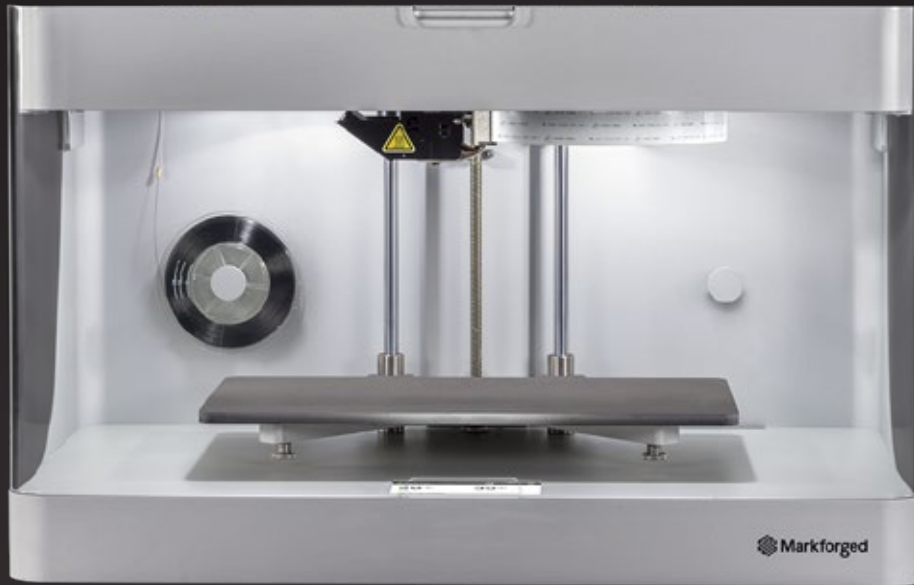


# MARK TWO



## Carbon fiber reinforcement with a small form factor.

- + Desktop sized composite 3D printer
- + Print reinforced carbon fiber parts capable of replacing machined aluminium components



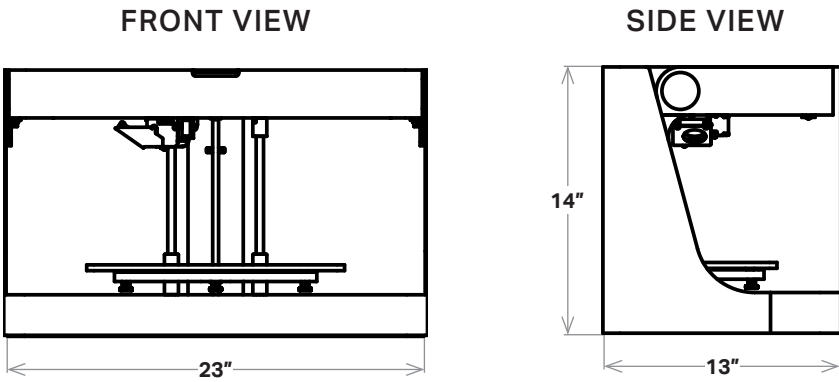
[alfex.com.au](http://alfex.com.au)



# 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.

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



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