Markforged
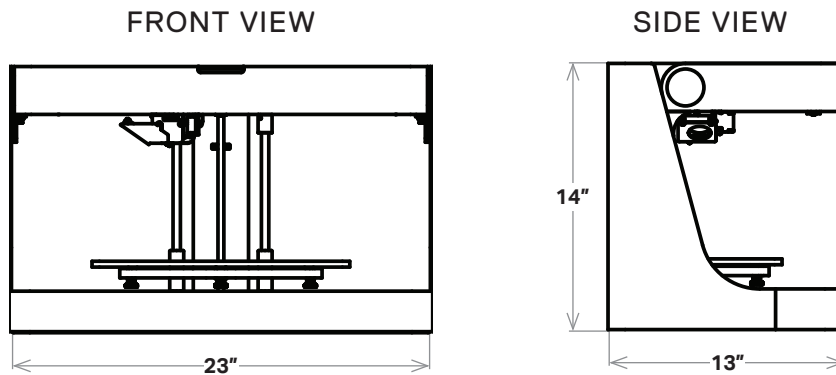
Onyx One (Gen 2)

Built on the same platform as our award-winning Mark Two, the Onyx One is designed from the ground up for quality and reliability in a form factor that fits on your desktop. Onyx parts are twice as strong as conventional printing plastics.

Printer Properties	**Process**	Fused filament fabrication
	Build Volume	320 x 132 x 154 mm (12.6 x 5.2 x 6 in)
	Weight	15 kg (34 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**	Onyx
	Fibers Available	None
	Tensile Strength	37 MPa (1.25x ABS) *
	Tensile Modulus	2.4 GPa (1.1x ABS) *
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

23"

14"

13"

* Onyx data. **Note:** All specifications are approximate and subject to change without notice.