

Markforged X3



The X3 prints strictly engineering-grade plastic parts. It leverages the incredible material qualities of Onyx—twice the strength and stiffness of standard printing plastics—with an advanced sensor suite to deliver unparalleled reliability. Parts meet tight tolerances with beautiful surface finish and are perfect for production line equipment.

Printer Properties	Process	Fused filament fabrication
	Build Volume	330 x 270 x 200 mm (13 x 10.6 x 7.9 in)
	Weight	46 kg (102 lbs)
	Machine Footprint	584 x 483 x 914 mm (23 x 19 x 36 in)
	Print Bed	Kinematic coupling — flat to within 80 µm
	Laser	Bed leveling, active print calibration
	Extrusion System	Second-generation extruder, out-of-plastic detection
	Power	100–240 VAC, 150 W (2 A peak)
Materials	Plastics Available	Onyx, Onyx FR
	Fibers Available	None
	Tensile Strength	36 MPa (1.2x ABS) *
	Flex Modulus	3.6 GPa (1.7x ABS) *
Part Properties	Layer Height	100 µm default, 50 µm minimum, 200 µm maximum
	Infill	Closed cell infill: multiple geometries available

Software

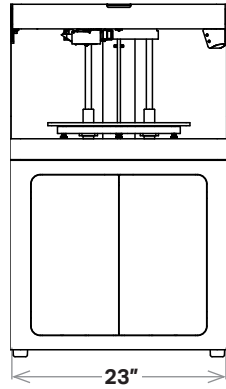
Supplied Software

Eiger Cloud (Other options available at cost)

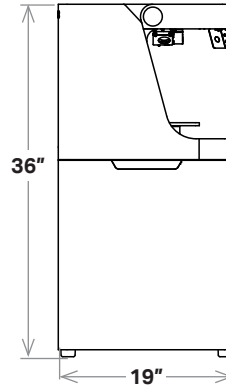
Security

Two-factor authentication, org admin access, single sign-on

FRONT VIEW



SIDE VIEW



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