

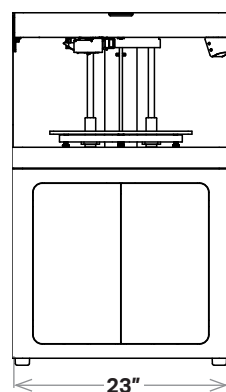
PRODUCT SPECIFICATIONS

Markforged X3

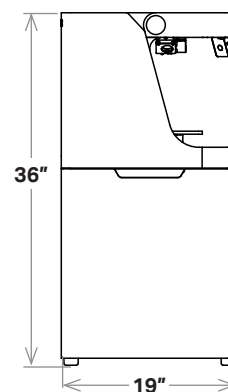
The X3 prints strictly engineering grade plastic parts. It leverages the incredible material qualities of Onyx - twice the strength and stiffness as standard printing plastics - with an advanced sensor suite to deliver unparalleled reliability. Parts meet tight tolerances with beautiful surface finish 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
	Power	100-240 VAC, 150 W (2 A peak)
	X5 Upgrade Capabilities	Fiberglass
	X7 Upgrade Capabilities	Laser In Process Inspection, Carbon Fiber, HSHT, and Kevlar®
Part Properties	Layer Height	100 µm default, 50 µm minimum
	Material Properties	UTS: 36 MPa (1.2x ABS); Flex Stiffness: 2.9 GPa (1.4x ABS)
	Infill	Closed Cell Infill: Multiple geometries available
Software	Supplied Software	Markforged Software - Cloud Storage, Local Storage, or Fully On-Premise (\$5,000 added fee)
	Security	Two-Factor Authentication, Org Admin Access, Single Sign-On
Materials	Plastics Available	Onyx
	Fibers Available	None

FRONT VIEW



SIDE VIEW



Note: All specifications are approximate and subject to change without notice