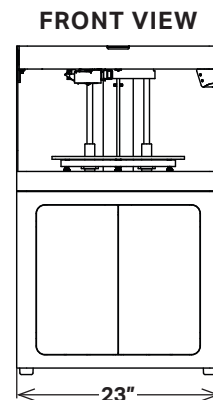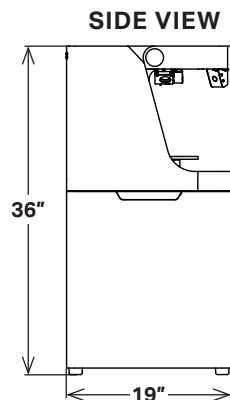PRINTER SPECIFICATIONS
MARKFORGED X3

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 um
	Laser	Bed Leveling, Active Print Calibration
	Power	100-240VAC, 150W (2A peak)
	X5 Upgrade Capabilities	Fiberglass
	X7 Upgrade Capabilities	Laser In Process Inspection, Carbon Fiber, HSHT, and Kevlar
PART PROPERTIES		
	Layer Height	100um default, 50 um 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 Auth, Org Admin Access, Single Sign On
MATERIALS		
	Plastics Available	Onyx
	Fiber Available	None

SIDE VIEW

36"

19"

FRONT VIEW

23"

All specifications approximate and subject to change without notice.