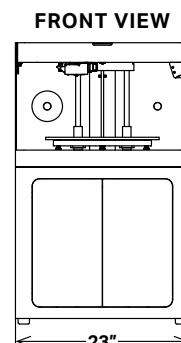
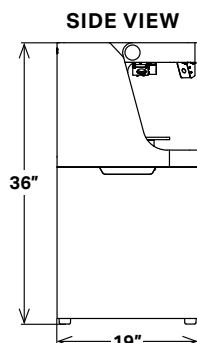




# Markforged X5 - Printer Specifications

The X5 leverages fiberglass reinforced thermoplastic to create parts 10x as strong as standard printing plastics. Easily upgradable to the X7, the X5 is a laser assisted, durably built large format machine designed to reliably produce high strength parts in any environment at an affordable price point.

<b>PRINTER PROPERTIES</b>	<b>Process</b>	Continuous Fiber Reinforced Plastics
	<b>Build Volume</b>	330 x 270 x 200 mm (13 x 10.6 x 7.9 in)
	<b>Weight</b>	48 kg (106 lbs)
	<b>Machine Footprint</b>	584 x 483 x 914 mm (23 x 19 x 36 in)
	<b>Print Bed</b>	Kinematic coupling - Flat to within 80 um
	<b>Laser</b>	Bed Leveling, Active Print Calibration
	<b>Power</b>	100-240VAC, 150W (2A peak)
	<b>X7 Upgrade Capabilities</b>	Laser In Process Inspection, Carbon Fiber, HSHT, and Kevlar
<b>PART PROPERTIES</b>	<b>Layer Height</b>	100um default, 50 um minimum
	<b>Ultimate Tensile Strength</b>	590 MPa (19.0x ABS, 16.4x Onyx)
	<b>Max Flexural Stiffness</b>	22 GPa (10.7x ABS, 7.6x Onyx)
	<b>Infill</b>	Closed Cell Infill: Multiple geometries available
<b>SOFTWARE</b>	<b>Supplied Software</b>	Markforged Software - Cloud Storage, Local Storage, or Fully On-Premise (\$5,000 added fee)
	<b>Security</b>	Two Factor Auth, Org Admin Access, Single Sign On
<b>MATERIALS</b>	<b>Plastics Available</b>	Onyx
	<b>Fiber Available</b>	Fiberglass



\* All prices are in U.S. dollars