

FX10

INDUSTRIAL METAL AND COMPOSITE 3D PRINTER

The world's first industrial metal and composite printer, and the most versatile tool for your factory floor.

A modular, highly advanced industrial 3D printer designed to supercharge your manufacturing productivity by delivering strong, accurate tools and fixtures

Unlock strong parts on demand

FX10 prints continuous carbon fiber reinforced and Metal parts for a wide range of factory floor applications, helping manufacturers increase speed to market, slash fabrication and inventory costs, and de-risk line down events.

Print the right part every time

We designed every aspect of FX10, from its motion system to the software that powers it, around delivering accurate, strong parts reliably. Backed by Simulation and Inspection software, FX10 can produce verified parts that meet stringent factory floor requirements.

Drive ROI fast, then scale

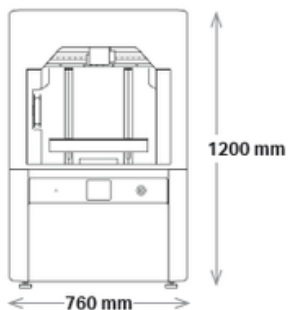
FX10 operates on the Digital Forge: Markforged's additive platform that features intuitive device and desktop software, training, and built-in cost calculation. You can start generating ROI on day one and effortlessly scale to more teams, machines, and facilities.

Vision Module and Laser Micrometer

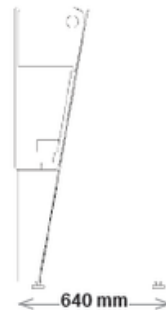
FX10 features two print head mounted optical sensors. The laser micrometer powers Inspection, in-print dimensional validation, and machine calibration while the new Vision Module will capture detailed images of calibration parts to determine and optimize printer performance.



FRONT VIEW



SIDE VIEW



		Composite	Metal
Printer Properties	Process	Composite Fused Filament Fabrication, Continuous Fiber Reinforcement	Metal Fused Filament Fabrication
	Build Volume	375 x 300 x 300 mm (14.8 x 11.8 x 11.8 in)	
	Weight	122 kg (270 lbs)	
	Machine Footprint	760 x 640 x 1200 mm	
	Temperature Control	Heated chamber reaches up to 60°C ready-state	Heated chamber reaches up to 60°C steady-state
	Print System	Direct-drive print head with two nozzles (one plastic, one fiber), automatic material changeover	Swappable metal print engine includes metal print head, material routing block, and material tubing. Automatic material changeover
	Power	100-120 VAC 12A /15A 200-240 VAC 6A / 8A	
	Safety	UL 2011/CSA C22.2#301 certified, CE Marked, EU Machinery Directive compliant	
	Materials	Metals, Plastics, Continuous Fibers	Onyx®, Onyx FR, Onyx ESD, Carbon Fiber, Carbon Fiber FR, Nylon White
Part Properties	Layer Height	125 µm minimum, 250 µm maximum	127 µm post-sinter Maximum Part Size: 310 x 250 x 250mm,10kg
Software	Eiger™	Secure digital library, powerful slicer, and printer management (premium options available at cost)	
	Inspection	Laser micrometer and vision module scan parts for accuracy	N/A
	Security	Two-factor authentication, org admin access, single sign-on, MFP print files encrypted by default and tamper resistant	
	Connectivity	Eiger connection and over-the-air updates via wi-fi and Ethernet	