

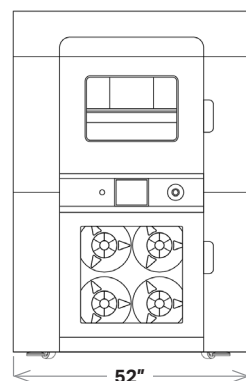
PRODUCT SPECIFICATIONS

FX20

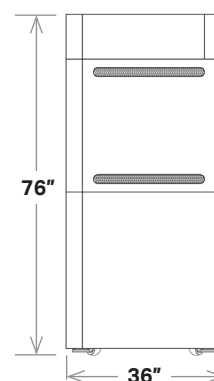
FX20 is the biggest, fastest, smartest printer in the Markforged lineup. Engineered to deliver maximum strength, accuracy, and consistency, FX20 produces mission-critical parts for the most demanding applications, from the factory floor to the skies and beyond. Replace long lead-time metals with high-temperature thermoplastics and continuous fiber reinforced composites— with FX20 and the cloud-connected, continuously learning Digital Forge platform, globally distributed production at the click of a button is now a reality.

| | | |
|---------------------------|----------------------------|---|
| Printer Properties | Process | Fused Filament Fabrication, Continuous Fiber Reinforcement |
| | Build Volume | Single-nozzle builds: 525 x 400 x 400 mm (20.6 x 15.7 x 15.7 in) Multi-nozzle builds: 500 x 400 x 400 mm (19.7 x 15.7 x 15.7 in) |
| | Weight | 450 kg (1000 lbs) |
| | Machine Footprint | 1325 x 900 x 1925 mm (52.2 x 35.5 x 75.75 in) |
| | Temperature Control | Up to 200°C steady-state |
| | Print System | Direct-drive print head with three nozzles (two plastic, one fiber) |
| | Power | 200-240VAC 3P+E, 24A or 347-416VAC 3P+N+E, 14A; 8 kW |
| | Safety | IEC/UL/CSA 62368-1 certified, CE Marked, EU Machinery Directive compliant |
| | Materials | Plastics |
| Continuous Fibers | | Carbon Fiber, Fiberglass, Kevlar®, HSHT Fiberglass |
| Part Properties | Layer Height | 50 µm minimum, 250 µm maximum |
| | Accuracy | +/- 125 µm or +/- 0.0015 mm per mm (whichever is greater) |
| Software | Eiger | Secure digital library, powerful slicer, and printer management (premium options available at cost) |
| | 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 Ethernet |

FRONT VIEW



SIDE VIEW



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