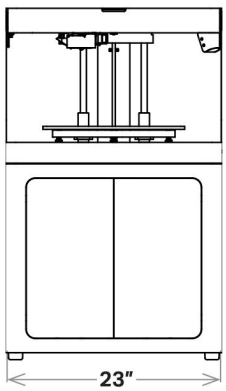
PRODUCT SPECIFICATIONS

# Markforged X5

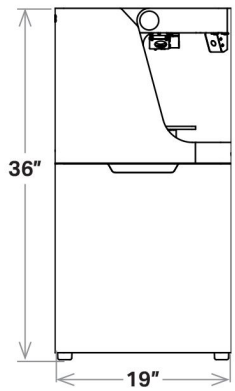
The X5 utilizes fiberglass-reinforced thermoplastic to create parts 10x as strong as standard printing plastics. Our laser-assisted, durably built large format machine reliably produces high-strength parts at an affordable price point in any environment.

| | | |
|---|---|---|
| **Printer Properties** | **Process** | Fused filament fabrication, Continuous Filament Fabrication |
| | **Build Volume** | 330 x 270 x 200 mm (13 x 10.6 x 7.9 in) |
| | **Weight** | 48 kg (106 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 |
| | **Extrusion System** | Second-generation extruder, out-of-plastic and out-of-fiber detection |
| | **Power** | 100–240 VAC, 150 W (2 A peak) |
| **Materials** | **Plastics Available** | Onyx, Onyx FR |
| | **Fibers Available** | Fiberglass |
| | **Tensile Strength** | 590 MPa (19.0x ABS, 16.4x Onyx) * |
| | **Flex Modulus** | 22 GPa (10.7x ABS, 6.1x Onyx) * |
| **Part Properties** | **Layer Height** | 100 µm default, 50 µm minimum, 200 µm maximum |
| | **Infill** | Closed cell infill: multiple geometries available |
| **Software** | **Supplied Software** | Eiger Cloud (Other options available at cost) |
| | **Security** | Two-factor authentication, org admin access, single sign-on |

FRONT VIEW




SIDE VIEW




* Continuous fiberglass data. **Note:** All specifications are approximate and subject to change without notice.