

PRODUCT SPECIFICATIONS



The X7 prints industrial-grade manufacturing jigs, jaws, tools, fixtures, and end-use parts. Designed from the ground up to survive the production floor environment and capable of printing parts stronger than machined aluminum for a fraction of the cost, the X7 delivers unparalleled surface finish, build size, and reliability. Accelerate part production with Turbo Print, our fastest print mode, and verify dimensional accuracy with Blacksmith adaptive manufacturing technology — only available on the X7.

Printer PropertiesProcessBuild VolumeWeightMachine FootprintPrint BedLaserExtrusion SystemPowerRF Module	Fused Filament Fabrication, Continuous Filament Fabrication
	330 x 270 x 200 mm (13 x 10.6 x 7.9 in)
	48 kg (106 lbs)
	584 x 483 x 914 mm (23 x 19 x 36 in)
	Kinematic coupling — flat to within 80 µm
	In-process inspection, active print calibration, bed leveling
	Second-generation extruder, out-of-plastic and out-of-fiber detection
	100–240 VAC, 150 W (2 A peak)
	Operating Band 2.4 GHz Wi-Fi Standards 802.11 b/g/n
Materials Plastics Available Fibers Available Tensile Strength Tensile Modulus	Onyx, Onyx FR, Onyx ESD, Nylon White, P-PLA
	Carbon Fiber, Carbon Fiber FR, Fiberglass, Aramid Fiber (Kevlar®), HSHT Fiberglass
	800 MPa (25.8x ABS, 2.6x 6061-T6 Aluminum) *
	60 GPa (26.9x ABS, 0.87x 6061-T6 Aluminum) *
Part Layer Height Properties Infill	100 μm default, 50 μm minimum, 250 μm maximum
	Closed cell infill: multiple geometries available
Eiger Cloud	Slicer, part / build management (other options available at cost)
Security Blacksmith FRONT VIEW	Two-factor authentication, org admin access, single sign-on
	Adaptive manufacturing platform (additional purchase required)
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* Continuous carbon fiber data. **Note:** All specifications are approximate and subject to change without notice. Dupont™ and Kevlar® are trademarks and registered trademarks of E.I. du Pont de Nemours and Company.