XM200G SERIES

PERFORMANCE METAL 3D PRINTING AT AN AFFORDABLE PRICE



XACT METAL

A HIGHLY CONFIGURABLE COMBINATION OF INDUSTRIAL SPEED & PERFORMANCE AT AN AFFORDABLE PRICE

Xact Metal 3D printers combine the critical additive manufacturing specifications of metal powder-bed fusion (SLM/DMLS) with cutting-edge technology to offer uncompromised as-printed part quality at an affordable price.

The XM200G printer series meets the specification demands of high-performance applications in manufacturing, research & development and other uses where print speed, part quality, and affordable price are essential.

XM200G FEATURES

- Single or dual[5] 100, 200 or 400W fiber laser option
- 100% overlapping dual-laser work-areas
- High-speed galvanometer with standard, performing or water-cooled option
- Premium F-theta lens for micron consistency across scan field
- Optional spot sizes – 50 µm or 100 µm
- Large build volume
- Small footprint
- Modern software architecture
- Open material and open parameters
- Integrated powder handling

TECHNICAL SPECS

Build Volume[4]	150 x 150 x 150 mm or 125 x 125 x125 mm
Laser Type[1]	• **XM200G** - Single 100W, 200W, or 400W Yb fiber laser • **XM200G2** - Dual 100W, 200W, or 400W Yb fiber lasers
Build Speed	• **XM200G** - ~6 to 9 cc/hr • **XM200G2** - ~12 to 16 cc/hr
Jogging Speed	Up to 20.7 m/sec (Standard galvo), 34.6 m/sec (Performance galvo)
Precision Optics Spot Size	Approximately 50 or 100 µm
Layer Thickness	20 up to 100 µm
Glovebox	Available
User Interface	21" intuitive user-friendly touch screen
Electrical[2]	Power Supply 100-120/200-240 VAC Single Phase, 50/60 Hz 1.5 kW, 2.0 kW Peak
Exterior Dimensions	650 x 780 x 1,930 mm^3 - W x D x H (25.6 x 30.7 x 76 in^3)
Weight	• **XM200G** - ~380 kgs (~840 lbs) • **XM200G2** - ~425 kgs (~940 lbs)
Powder Options[3]	• Aluminum Si10Mg • Bronze, Copper (C18150) • Stainless Steel: 316L, 17-4 PH, 15-5, 400 Series • Super Alloys: 718, 625, Cobalt Chrome F75, Hastelloy® X, • Titanium Ti64 • Tooling Steels: Maraging M300

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1. Class 1 Laser Product, 2. Not all configurations available on 120 volts.
3. Availability of parameters available on request, 4. Using standard build plate
5. With dual laser, limited to one laser per part. Dual laser per part to be released in 2027.