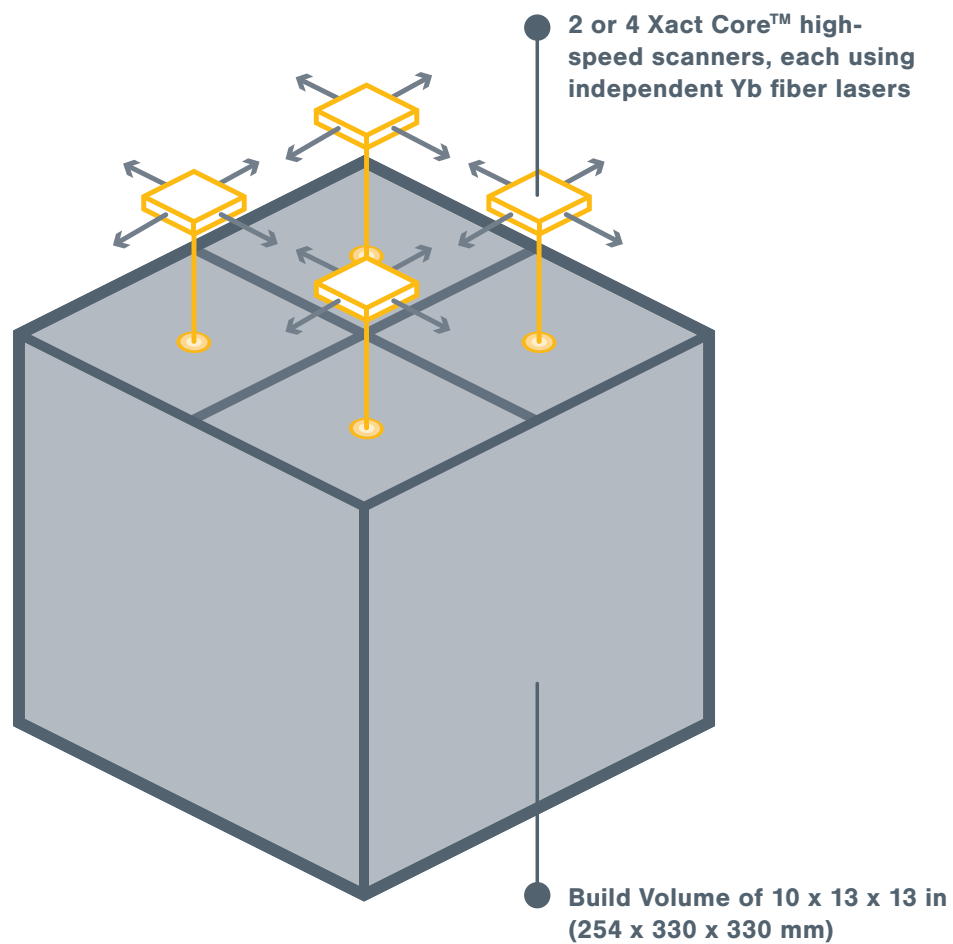


LARGER BUILD AREA. LESS BUILD TIME.

XM300C



XACT METAL

THE XM300C IS A METAL POWDER-BED FUSION PRINTER WITH A LARGER BUILD AREA

By taking the essential additive manufacturing specs for metal powder-bed fusion (commonly known as Selective Laser Melting or Direct Metal Laser Sintering) and combining them with breakthrough technology, the XM300C is able to offer uncompromising quality for users.

The XM300C makes quality metal powder-bed fusion 3D printing available to universities, labs and small-to-medium businesses that need prototyping and tooling

XM300C SPECIFICATIONS

- Large build volume provides flexibility in development and manufacturing applications.
- Two or four independent Yb fiber laser scanners reduce build time and increase productivity.
- The patent-pending Xact Core™ high-speed scanner fuses at speeds up to 500 mm/sec. The beam is constantly orthogonal across the entire powder bed surface, which produces consistent fusing properties throughout the complete build area.
- Twin feed cylinders lower build time and increase throughput.
- Accessible build chamber is easy to set up, quick to purge and simple to clean and maintain.
- Small footprint reduces overall space requirements.
- Modern software architecture offers a streamlined, intuitive and functional platform that supports visual workflows and remote monitoring.
- Open platform provides qualified users the ability to develop their own printing parameters and use their own powder.

capabilities or are looking for alternatives to low-volume castings.

Metal powder-bed fusion provides high-quality and complex parts. It reduces total cycle time by about 50% and removes the need for wash/debinder and sintering/oven equipment used in bound metal deposition, atomic deposition additive manufacturing or other FDM-like metal 3D printers.

TECHNICAL DATA

Build Volume	1,690 in ³ (10 x 13 x 13 in) 27,661 cc (254 x 330 x 330 mm)
Exterior Dimensions	Approx. 44 x 28 x 55 in ³ - W x D x H (1,118 x 711 x 1,397 mm ³)
Laser Type*	<ul style="list-style-type: none">• 2 or 4 independent fiber lasers• 100W Yb fiber laser• 200W available with optional kit
Precision Optics	Spot size greater than 20 microns
Scanner	<ul style="list-style-type: none">• Fusing speed up to 500 mm/sec• Orthogonal high-speed scanner
Electrical	Power Supply 220V (50-60 Hz)
User Interface	15.6" intuitive user-friendly touch screen
Powder Options**	<ul style="list-style-type: none">• Stainless Steel: 316L, 17-4 PH, 15-5, 400 Series• Super Alloys: 718, 625, Cobalt Chrome F75, Hastelloy® X• Tooling Steels: Maraging M300• Bronze• Aluminum Si10Mg and Titanium Ti64 available with optional kit

Contact us at +1 (814) 205-1505 or info@xactmetal.com to learn more.

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*Class 1 Laser Product, **Availability of parameters available on request

