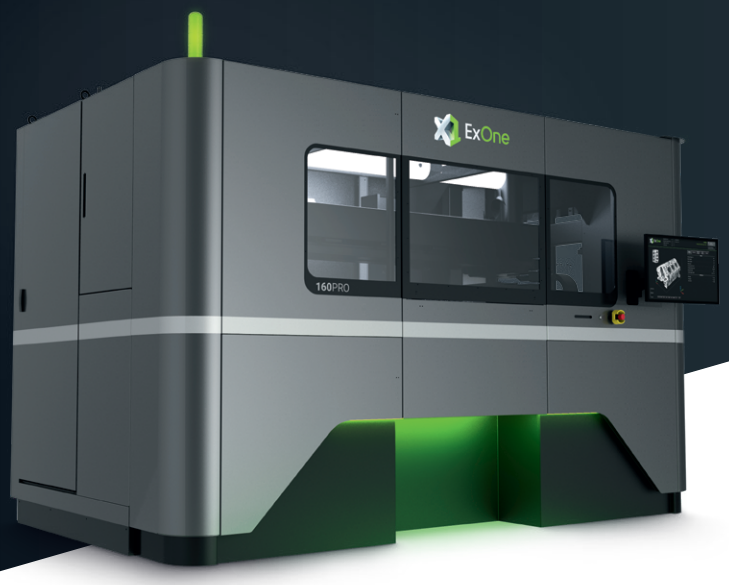
X1 160Pro™



The most advanced metal binder jetting system for sustainable, high-quality production.

Binder jet 3D printing for production is finally here with the X1 160Pro™, the largest and tenth metal binder jetting system from ExOne. The system 3D prints more than 20 metals, ceramics and composites, and incorporates more than two decades of knowledge to deliver reliable, sustainable production of high-quality metal parts.

TECHNICAL DATA

Build box max. (L × W × H)	800 × 500 × 400 mm (31.5 × 19.7 × 15.8 in)
Build rate*	Up to 10,000 cm^3/hr
Layer height*	30 to 200 µm
Build volume	160 L (9,763 in^3)
Print resolution	>30 µm voxel

* Depending on material. ** Including standard MIM powders

Min. powder size**	5 µm (D50)
External dimensions (L × W × H)	3,300 × 3,300 × 2,700 mm (130 × 130 × 107 in)
Weight	3,700 kg
Electrical requirements	400 V 3-phase, 50/60 Hz. Power requirements in EU differ.
Binder systems	AquaFuse™, CleanFuse™, FluidFuse™, PhenolFuse™

SYSTEM BENEFITS

- 3D prints more than 20 metals, ceramics and composites
- Offers more than 2.5 times the build volume of competing systems available today
- New Industry 4.0 cloud connectivity and process-linking capabilities enabled by Siemens MindSphere
- Print speeds reaching 10,000 cm^3/hour, depending on material. Speed is individually optimized for each metal offered
- Features exclusive patent-pending Triple ACT system that delivers industry leading part density and repeatability
- An all-new recycling system for binder fluids delivers lower operating costs and ensures that sustainability gains delivered by 3D printing are carried through the entire process

www.exone.com

ExOne™