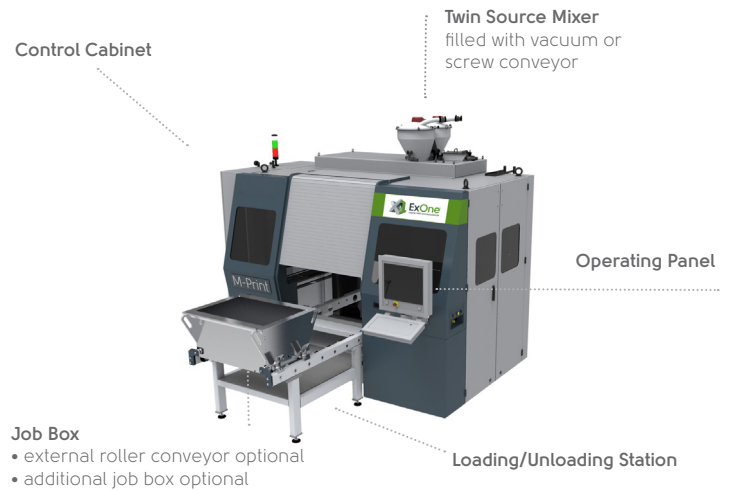


M-Print™



Industrial-Grade Scale & Flexibility in Metal

The M-Print™ 3D printer is ideally suited for larger parts and for large volumes of parts, resulting in improved reaction time and productivity throughout the entire manufacturing process chain. The M-Print™ system is the largest ExOne® metal printer available.



Industrial-grade 3D printer

- Largest build size for metal printing
- On-demand material management system
- Proven printhead technology for precise jetting of binding agent
- No support structures
- Complex geometries possible

Industry-grade materials

- Print in stainless steel
- Optionally configure for other materials
- Functional parts with superior wear characteristics

High productivity

- Flexible job box can print one prototype or short runs of multiple and/or custom parts
- Changes can be made quickly

M-Print™ consumables^{1,2}

- ExOne® Binder (Aqueous, Solvent, Phenolic)
- ExOne® 420SS Material
- ExOne® Bronze Infiltrant
- ExOne® Thermal Support Powder



TECHNICAL SPECIFICATIONS

Process cell including job box and roller conveyor

Build volume	l x w x h 31.5 x 19.7 x 15.8 in. (800 x 500 x 400 mm)
Build speed	Approx. 60 seconds/layer ^{2,3}
Layer thickness	Variable with minimum 0.006 in. (150 µm) ³
Print resolution	X/Y 0.003 in. (63.5 µm) Z 0.006 in. (150 µm) ^{2,3}
External dimensions	l x w x h 128.7 x 100.0 x 112.6 in. (3270 x 2540 x 2860 mm)
Weight	7,717 lbs (3500 kg)
Electrical requirements M-Print	400V 3-Phase/N/PE / 50–60 Hz, max. 6.2 kW
Electrical requirements heater	400V 3-Phase/PE / 50–60 Hz, max. 8.3 kW
Data interface	STL, CLI, SLC

PROPRIETARY INFORMATION

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Materials processed on machines other than by ExOne and/or with different processes and/or technology may differ as to their properties. ExOne® research and development efforts are ongoing and ExOne reserves the right to revise the information at any time without notice. ExOne does not provide any warranties or other obligations hereby, and will only provide such warranties or other obligations, if any, either in a definitive purchase contract executed by ExOne or in its standard terms and conditions of sale contained in an order acknowledgement.

¹ Range of materials and particle sizes available – please contact your sales rep. ² Typical. ³ Material dependent.

With decades of manufacturing experience and significant investment in research and product development, ExOne has pioneered the evolution of nontraditional manufacturing. This investment has yielded a new generation of rapid production technology in the field of additive manufacturing. ExOne is the optimal partner for any industrial manufacturer who is transitioning their manufacturing business to the digital age.