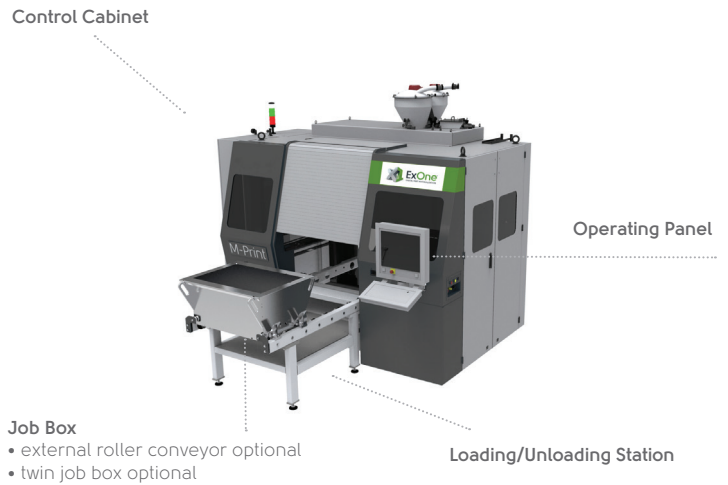


M-Print™



Industrial-Grade Scale & Flexibility in Metal

The M-Print is ideally suited for large parts and for large volumes of parts, resulting in improved reaction time and productivity throughout the entire manufacturing process chain.



Industrial-grade additive manufacturing machine tool

- Largest build size in its class
- Industry-proven materials
- On-demand material management system
- Proven printhead technology for precise dosing of binding agent
- No support structures
- Complex internal details and structures capability, otherwise unattainable using traditional methods

Simplifies Your Operations

- One click – simple user interface
- Easy unloading

Industry-grade materials

- Print in stainless steel, bronze or tungsten
- 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

Suited for complex geometry

- Greater design freedom



TECHNICAL SPECIFICATIONS

Process cell including job box and roller conveyor

Build volume	l x w x h 800 x 500 x 400 mm (31.5 x 19.68 x 15.75 in.)
Layer thickness	Variable with minimum 0.15 mm
Print resolution	X/Y 0.07 mm / Z 0.15 mm (Set by layer thickness)
External dimensions	l x w x h 3296 x 2528 x 2859 mm (10.8 x 8.3 x 9.4 ft.)
Weight	3500 kg (7,717 lbs)
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. 6.3 kW
Data interface	STL

CONSUMABLE MATERIALS

PM-S4-60-MP:	ExOne 420SS material for printing 0.15 mm layer thickness
PM-S3-60-MP:	ExOne 316SS material for printing 0.15 mm layer thickness
PM-I-MP:	ExOne bronze material used for infiltrating stainless steel
PM-TSP-MP:	ExOne thermal support powder used during furnace cycle
PM-B-MPrint-01:	ExOne binder–polymer based ink for use with ExOne materials
PM-C-MPrint-01:	ExOne cleaner, required for all automated and in-process maintenance routines, dissolves ExOne binder

All ExOne material systems are designed and engineered for the ExOne process and the ExOne M-Print System. Each material system comprises ExOne's patented binder and specially prepared formulated materials to ensure the highest quality.

Currently available metals include 420 & 316 stainless steel & bronze, sand and other casting media also available.

**We reserve the right to change or update the information on this datasheet at any time and without prior notice. Actual systems may differ from model shown.*