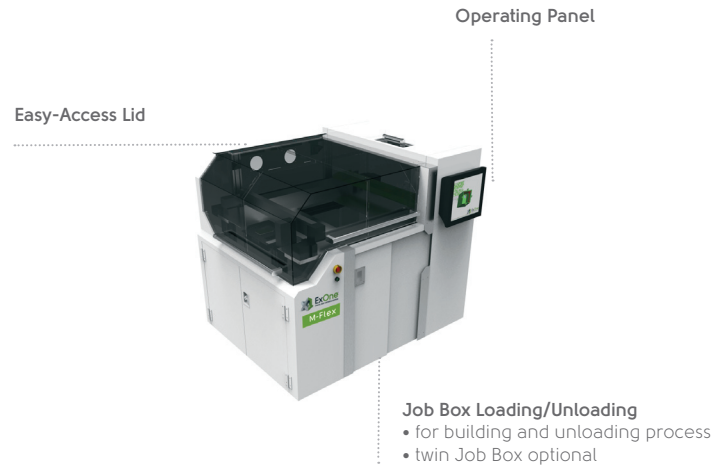


M-Flex™



A Complete Solution: Idea to Printed Metal Part in Record Time

The M-Flex is simple to use and contains everything you need to get started with metal printing, offering speeds 10x faster than our previous generation machine.



Flexible & Complete Solution

- Package includes printer, recycling equipment, printing materials, curing oven and furnace
- Comprehensive multimedia training program

Simplifies Your Operations

- One click – simple user interface
- No tooling required
- Easy unloading

Industry-grade materials

- Print in stainless steel, bronze or tungsten
- Functional parts with superior wear characteristics

High productivity

- Fastest metal printer in its class
- Flexible job box can print one prototype or short runs of multiple and/or custom parts
- Changes can be made quickly

High accuracy

Highly-accurate printing process guarantees highly-accurate parts

Suited for complex geometry

- Greater design freedom



EXPECTED TECHNICAL SPECIFICATIONS

Process cell including job box and roller conveyor

Build volume	l x w x h 400 x 250 x 250 mm (15.7 x 9.8 x 9.8 in.)
Build speed	30 seconds/layer
Layer thickness	Variable with minimum of 0.100 mm
Print resolution	X/Y 0.0635mm, Z 0.100mm (set by layer thickness)
External dimensions	l x w x h 1674 x 1278 x 1552 mm (5.5 x 4.2 x 5.1 ft.)
Weight	TBD
Electrical requirements	208V-240V / 3 phases
Data interface	SLC, CLI

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-Flex 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, bronze and tungsten. Soda lime (semi-opaque) glass, sand and other casting media also available.

With decades of manufacturing experience and over \$80 million dollars invested 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 as well as advanced micromachining processes. ExOne is the optimal partner for any industrial manufacturer who is transitioning their manufacturing business to the digital age.

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