

# M-Flex®

Multipurpose additive tool with the most advanced powder dispensing on the market



The M-Flex is a multipurpose tool, printing sand, metal, ceramics or composites. It can produce complex prototypes or serial production runs, and is the most flexible 3D printing system in ExOne's portfolio.

## TECHNICAL SPECIFICATIONS

Build Dimensions	Max. Throughput	Layer Thickness	Volume	Print Resolution
400 x 250 x 250 mm (15.75 x 9.84 x 9.84 in)	1,600 cc/hr 98 in <sup>3</sup> /hr	50 to 200 µm	25 L (1,526 in <sup>3</sup> )	>50 µm voxels
Min. Powder Size	External Dimensions	Weight	Electrical Requirements	Binder Systems
15 µm (d50)	1,675 x 1,400 x 1,855 mm (66 x 55 x 73 in)	1,020 kg (2,249 lbs)	208-240V 3-phase 50/60Hz	Aqueous, Solvent, Phenolic

## SYSTEM BENEFITS

- Ability to print in metals, ceramics and sand
- Suited for complex geometry; greater design freedom
- Highly-accurate printing process guarantees highly-accurate parts
- User-friendly touchscreen interface
- Easy loading/unloading
- Design changes can be made quickly
- Flexible job box can print one prototype or short runs of multiple and/or custom parts
- No support structures; unbound material supports the printed parts
- Package includes printer, recycling equipment, printing materials, curing oven and furnace