

M-Flex®

Multi-purpose 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 Box	Max. Build Rate	Layer Height	Build Volume	Print Resolution
400 x 250 x 250 mm (15.75 x 9.84 x 9.84 in)	1,600 cc/hr 98 in ³ /hr	50 to 200 µm	25 L (1,526 in ³)	>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	AquaFuse, Clean-Fuse, FluidFuse, PhenolFuse

SYSTEM BENEFITS

- Ability to print in metals, sands, ceramics and composite powders
- 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