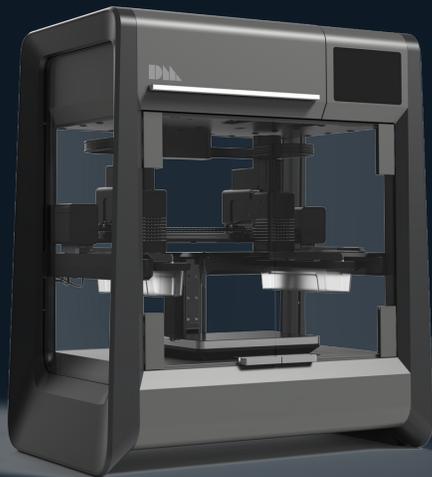




Studio System

The Studio printer is similar to the safest and most widely used 3D printing process—Fused Deposition Modeling (FDM).



Unlike laser-based systems that selectively melt metal powder, the Studio printer extrudes bound metal rods—similar to how a plastic FDM printer works. This eliminates the safety requirements associated with metal 3D printing while opening up new alloys and enabling new features like the use of closed-cell infill for lightweight strength.

Printer Technical specifications

The Studio system was designed from the ground up for simple installation and use. It's process is similar to the safest, most widely used 3D printing process—Fused Deposition Modeling (FDM). Unlike laser-based systems that selectively melt metal powder, the Studio printer extrudes bound metal rods, eliminating the safety requirements associated with metal 3D printing and enabling new features like the use of closed-cell infill for lightweight strength.

Printing Properties	Print technology	Bound Metal Deposition (BMD)
	Build volume	12,585 cm ³ (30.5 x 20.5 x 20.5) / 768 in ³ (12 x 8 x 8)
	Max part dimensions (post-shrink)	25.5 cm x 17 cm x 17 cm / 10 in x 6.7 in x 6.7 in
	Print heads	Dual, quick-release print heads
	Nozzle diameter:	0.4 mm
	Motion System	Precision ball screws
	Minimum layer height (Z)	50 μm
	Build rate	16 cm ³ /hr (1 in ³ /hr)
	Maximum part weight	10 kg (22 lbs)
	Extruder calibration	Automatic
	Media	Hot swappable DM cartridges
	Support structures	Separable supports
	Build plate	Heated glass build plate
	Build plate temperature	Up to 120 °C (248 °F)
	Build plate leveling	Automatic
Build chamber	Heated, up to 50 °C (122 °F)	
Physical Dimensions	External Dimensions	83 cm x 53 cm x 95 cm (33.7 in x 20.9 in x 37.4 in)
	Weight	97 kg (214 lbs)
Connectivity	Network	WiFi and Ethernet
	Power	120V, 20A, 50-60Hz
Software	Supplied Software	DM Cloud
	Local Cloud Support	Optional
	Supported File Types	STL, IGES, JT, STEP, VDA-FS, U3D, VRML and Native file types (Solidworks, ProE, others)
	UI	7" Touchscreen