STUDIO SYSTEM+

Printer specifications

The printer was designed from the ground-up for simple installation and use. Its process is similar to the safest, most widely used 3D printing process—Fused Filament Fabrication (FFF). Unlike laser-based systems that selectively melt metal powder, the Studio System™ printer extrudes bound metal rods, eliminating the safety requirements associated with metal 3D printing and enabling new features like closed-cell infill for lightweight strength. New features introduced with Studio System+ include high-resolution printing and an in-chamber camera for live viewing of the part as it prints.

TECHNOLOGY	Print technology	Bound Metal Deposition™
	Support technology	Separable Supports™
	Interface technology	Ceramic Release Layer™
PERFORMANCE	Max build rate	16 cm³/hr 1 in³/hr
	Layer height	• 50 µm high resolution printhead • 100-220 µm standard resolution printhead
	Max build weight for all parts in job	6.5 kg 14.3 lbs in green state
	Safety features	Over-temperature protection
PHYSICAL	External dimensions	94.8 x 82.3 x 52.9 cm 37.3 x 32.4 x 20.8 in
	Weight	97 kg 214 lbs
	Build chamber	Heated up to 50 °C 122 °F
	Extruder assembly	Dual quick-release print heads
	Build envelope	28.9 x 18.9 x 19.5 cm 11.4 x 7.4 x 7.7 in
	Build plate	• Heated, up to 70 °C 158 °F • Vacuum-enabled print bed
	Print sheets	Polypropylene, peel-away
	Nozzle diameter build media	• 0.40 mm standard resolution • 0.25 mm high resolution
	Nozzle diameter interface media	0.40 mm
	Power requirements	100-120 VAC, 50/60 Hz, 15 A, 1-phase
	Onboard control	7-inch touchscreen display
	Chamber view	• Glass doors and clear polycarbonate siding for 360° view • In-chamber build plate camera
MEDIA	Media holding	RFID-enabled, hot-swappable cartridges
	Media loading	Push-to-release
	Build media	Bound metal rods (metal powder + wax and polymer binder)
	Interface media	Bound ceramic rods

PLATFORM	Network connectivity	Wireless and Ethernet
	Software	Fabricate™ software
	Browser requirements	Accessible via any web browser
	Supported file types	STL, IGES, JT, STEP, VDA-FS, U3D, VRML and native file types (SolidWorks, ProE, etc)
	Automation	• Auto-generated build plans based on geometry and material • RFID-enabled supply monitoring • Live job progress tracking

DIMENSIONS

94.8 cm
37.3 in

82.3 cm
32.4 in

52.9 cm
20.8 in

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