

Studio System™ 2 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™ 2 printer extrudes

bound metal rods, eliminating requirements associated with metal 3D printing and enabling new features like gyroid infill for lightweight strength.

TECHNOLOGY	Print technology	Bound Metal Deposition™
	Support technology	Separable Supports™
	Interface technology	Ceramic Release Layer™
PERFORMANCE	Layer height (in green state)	<ul style="list-style-type: none"> • 50-150 µm, high resolution printhead • 150-300 µm, standard resolution printhead
	Max build weight (in green state)	6.5 kg (14.3 lbs)
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
	Extruder assembly	Dual quick-release print heads
	Build envelope	300 x 200 x 200 mm (12 x 8 x 8 in)
	Build plate	<ul style="list-style-type: none"> • Heated, up to 70 °C (158 °F) • Vacuum-enabled print bed
	Print sheets	Polypropylene, peel-away
	Nozzle diameter (Build media)	<ul style="list-style-type: none"> • 0.40 mm, standard resolution • 0.25 mm, high resolution
	Power requirements	100-130 VAC, 50/60Hz, 15 A, 1-phase 200-240 VAC, 50/60Hz, 10 A, 1-phase
	Onboard control	7-inch touchscreen display
	Chamber view	In-chamber build plate camera
MEDIA	Media holding / loading	Hot-swappable, push-to-release, user refillable cartridges
	Build media	Bound metal rods (metal powder + polymer binder)
	Interface media	Bound ceramic rods
PLATFORM	Network connectivity	Wireless and Ethernet
	Software	Fabricate® Cloud (local options also available at cost)
	Supported file types	STL, IGES, JT, STEP, VDA-FS, U3D, VRML and native file types (SolidWorks, ProE, etc)

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DIMENSIONS

