

Studio System™ Printer Specifications

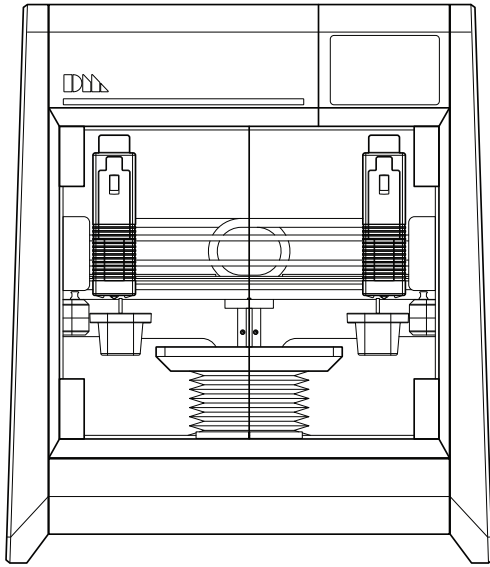
The printer was designed from the ground-up for simple installation and use. Its process is similar to the safest, most widely used 3D printing process—Fused Filament Fabrication (FFF). Unlike laser-based systems that selectively melt metal powder, the Studio System™ printer extrudes bound metal

rods, eliminating requirements associated with metal 3D printing and enabling new features like closed-cell 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"> • 50-100 µm, high resolution printhead • 100-220 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 cartridges |
| | Build media | Bound metal rods (metal powder + wax and 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) |

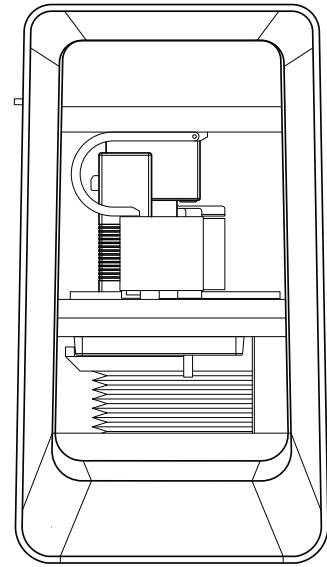
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DIMENSIONS



823 mm (32.4 in)

948 mm (37.3 in)



529 mm (20.8 in)