

S300 Series High Precision 3D Printers for Jewelry

The only wax model 3D printers built exclusively for jewelers, the Solidscape STUDIO, S350, S370 and S390 create ultra-accurate, directly castable wax models with complex geometries, clean burnout and superior surface finish.



PRECISION AND ACCURACY

Stunning symmetry, exacting wall thickness and extreme detail



DIRECTLY CASTABLE

100% castability in gold, silver, platinum and all castable materials



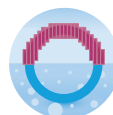
COMPLEX GEOMETRIES

Gravity-defying overhangs, organic shapes and interlocking parts



SUPERIOR SURFACE FINISH

Pristine, smooth wax models require virtually no finishing



MELT-AWAY SUPPORT

Auto-generated support structures dissolve, hands-free, in a non-toxic process



CLEAN BURNOUT

Fast melt out, no thermal expansion and no ash or residue



BOOST PRODUCTIVITY

Engineered for reliability – maximum uptime



INCREASED PROFITABILITY

Create custom parts at mass production costs



DESIGN FREEDOM

Innovate without limits, eclipse the competition

Work smarter, not harder.

Optimize workflow, enhance creativity and boost your bottom line with the Solidscape STUDIO, S350, S370 and S390 wax model 3D printers.

Solidscape S300 Series — STUDIO, S350, S370 & S390

PRINTING PROPERTIES	STUDIO	S350	S370 & S390
Layer Thickness:	User Selectable - 0.00025 inch (0.00635 mm) to 0.001 inch (0.0254 mm) at 0.00025 (0.00635 mm) increments	User Selectable - 0.00025 inch (0.00635 mm) to 0.003 inch (0.0762 mm) at 0.00025 (0.00635 mm) increments	User Selectable - 0.001 inch (0.0254 mm) to 0.002 inch (0.0508 mm) at 0.00025 (0.00635 mm) increments
Resolution:	5000 X 5000 dots/inch (197 X 197 dots/mm) in X, Y		
Accuracy:	±0.005 inch (127 µm) for 1st inch (25.4 mm), ±0.001 inch/inch (25.4 µm) each additional inch X,Y and Z		
Surface Finish:	Layer thickness-dependent, up to 32 micro-inches (RMS)		
Start Process:	Fully automated, one-touch operation		
Status Monitoring:	Fully automated fault detection, restarts build from point of interruption		
New! Calibration Capacity:	Quicker calibration and ability to select calibration frequency means less wasted material		

PRINTER SPECS	STUDIO	S350, S370, S390
Build Envelope:	6 x 6 x 2 inches (152.4 x 152.4 x 50.8 mm)	6 x 6 x 4 inches (152.4 x 152.4 x 101.6 mm)
Dimensions:	21.4 x 18 x 16 inches (558 x 495 x 419 mm)	
Weight:	80 lbs (36 kg)	
Power:	100 - 240 V Required	
Operating Temperature:	60° to 75°F (16° to 24°C)	
Humidity:	40-60%	
Agency Compliance:	CE Certified, FCC Class B approved, TUV certified EN 60950 Compliant	

MATERIAL PROPERTIES	
Midas® Castable Material:	Proprietary model material formulated for clean burnout, producing 100% direct casting results
Melt® Dissolvable Support:	Proprietary support material engineered to dissolve completely, hands-free, resulting in superior surface finish
Material Capacity:	Larger tanks require less filling and allow for longer print runs
Material Monitoring:	Display indicates build and support material levels accurately in 10% increments

SOFTWARE AND SYSTEM REQUIREMENTS	
One-Click Software:	Automatically formats CAD files for 3D printing
CAD File Input:	.stl and .slc files
System:	Windows, PC-to-printer connectivity via high-speed USB 2.0 or Ethernet

S390 BASE SPECIFICATIONS (may be purchased separately for the STUDIO, S350 and S370)

BASE	Printer stand and storage cabinet		
Dimensions:	21.45 x 20.55 x 30 inches (544 x 522 x 762 mm)	Weight w/Dust Collector:	91 lbs (41.3 kg)
Voltage Line Regulator	Regulates power levels to the 3D printer under poor or fluctuating input power conditions		
Weight:	9.24 lbs (4.2 kg)	Nominal Input Voltage:	120/230 V
Input Frequency:	50/60 Hz	Surge energy rating:	680/300 Joules
Dust Collector	Maintains model quality during printing		
Dimensions:	13 x 10.25 x 14.25 inches (310 x 260 x 362 mm)	Noise Level:	49 dBA
Weight:	28 lbs (12.7 kg)	CFM:	141 (240 m³/hour)
Amps:	7/3	Voltage:	120/230 V