

Which Solidscape 3D printer is right for your business?

FOR JEWELRY MANUFACTURERS AND RETAILERS

The Solidscape S350 and S370 are engineered specifically for custom jewelry production

	S350	S370
Business model	Complex custom designs	Higher volume or larger designs
Resolution	Builds crisp, exact details with user selectable layer thickness down to 0.00025 in (0.00635 mm)	Builds smooth details with user selectable layer thickness down to 0.001 in (0.0254 mm)
Customer need	One-of-a-kind fine jewelry	More basic design and quick turnaround
Volume	Production volume of 1-3 models per day	Production volume of 1 large piece or 3 or more models per day

S350

PRINTING PROPERTIES

Layer Thickness: User Selectable – 0.00025 inch (0.00635 mm) to 0.003 inch (0.0762 mm) at 0.00025 (0.00635 mm) increments

Resolution: 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

Calibration Capacity: Quicker calibration and ability to select calibration frequency means less wasted material

S350

TECHNICAL SPECIFICATIONS

Dimensions: 21.4 x 18 x 16 inches (558 x 495 x 419 mm)

Build Envelope: 6 x 6 x 4 inches (152.4 x 152.4 x 101.6 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

S370 PRINTING PROPERTIES

Layer Thickness: User Selectable - 0.001 inch (0.0254 mm) to 0.002 inch (0.0508 mm) at 0.00025 (0.00635 mm) increments

Resolution: 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

Calibration Capacity: Quicker calibration and ability to select calibration frequency means less wasted material

S370

TECHNICAL SPECIFICATIONS

Dimensions: 21.4 x 18 x 16 inches (558 x 495 x 419 mm)

Build Envelope: 6 x 6 x 4 inches (152.4 x 152.4 x 101.6 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

3Z Studio

High Precision Results

Resolution	5000 X 5000 dots/inch (197 X 197 dots/mm) in X, Y 8000 dots/inch (315 dots/mm) in Z
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Accuracy	± 0.0010 inch/inch ($\pm 25.4\mu$ /25.4mm) along each axis X, Y and Z
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Layer Thickness	User selectable through variable slider
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Surface Finish	Layer thickness dependant, up to 32 micro-inches (RMS)
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3Z Studio

Office Environmental Compatibility

Desktop Size	21.4" W X 18"D X 16" H (558mm X 495mm X 419 mm)
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Weight	75 lbs. weight (34 kg)
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Build Envelope	6" X 6" X 2" (152.4 X 152.4 X 50.8 mm) X, Y, Z Consistent results over entire 6 inch x 6 inch (152.4mmx152.4mm) area
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Power Requirements	90-250-v, 10A @ 230v max consumption
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Ambient Operating Temp	Recommend 60° to 80° F (16° to 27° C) at a 40% to 60% range of humidity
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Equipment Interface	PC to printer connectivity Hi-Speed USB 2.0
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MATERIAL PROPERTIES

Midas Castable Material:

Proprietary model material formulated for clean burnout, producing 100% direct casting results

Melt-J 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

Materials

3Z™Model	Model material formulated for clean burnout to produce 100% castings
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3Z™Support	Sacrificial material generated automatically for each job, and later dissolved away for a labor-saving, hands-free operation.
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Dewax	Liquid solution used to dissolve sacrificial material
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