SOLIDSCAPE PRECISION

FASTER

solidscape

HIGH PRECISION 3D PRINTERS

solidscape.com/S390

Do you feel the need?
The need for Solidscape precision AND speed?

Introducing the new S390 high precision 3D printer for jewelers

The S390 delivers all the extraordinary precision and accuracy you've come to expect from Solidscape — now with a faster print speed. Design innovative custom jewelry without limits. Boost production of perfect, directly castable wax models. Do more with the Solidscape S390.

Get the total package

The S390 is an all-inclusive system engineered exclusively for jewelry manufacturing:

- **High precision 3D printer**
  New Solidjet™ technology delivers Solidscape precision—faster and with enhanced reliability
- **Best-in-class materials**
  Midas™ castable material and Melt™ hands-free dissolvable support material work in tandem to produce accurate, fine-featured models with the best surface finish in the industry
- **Industrial dust collection system**
  Whisper-quiet dust collector maintains model quality during printing
- **Voltage line regulator**
  Ensures consistent power to the 3D printer for optimum model quality and production reliability
- **All contained in a Solidscape Base**

Immediate savings
for jewelry manufacturers

The new, faster S390 high precision 3D printer provides immediate incremental savings and a speedy ROI for jewelry manufacturers producing several models per day.

Return On Investment Calculator

	S350	S390
Number of models per month	75	200
Solidscape unit price	$39,650	$55,650
Monthly unit cost, 5-year amortization	$661/mo	$927/mo
Consumable materials cost	$300/mo	$800/mo
Total monthly cost	$961	$1,727
Solidscape cost per model	$13	$9
Service bureau cost per model	$65	$65
Average savings per model	$52	$56
Monthly savings	**$3,900**	**$11,200**
Time to pay back	**10 months**	**5 months**

ROI CALCULATOR METHODOLOGY

- Unit price: based on cash sale
- Monthly cost: based on 5-year amortization, unit price divided by 60 months
- Consumable materials cost: $4/model multiplied by number of models per month
- Total monthly cost: monthly unit cost plus consumable materials cost
- Solidscape cost per model: total monthly cost divided by number of models per month
- Service bureau cost per model: based on U.S. standard cost of $65/model
- Average savings per model: service bureau cost per model minus Solidscape cost per model
- Monthly savings: Average savings per model multiplied by number of models per month
- Time to pay back: Solidscape unit price divided by monthly savings

The new Solidscape S390
Design without Limits

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 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

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

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 for 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

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