

# SOLIDSCAPE PRECISION FASTER



**solidscape**  
HIGH PRECISION 3D PRINTERS

[solidscape.com/S390](https://www.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 and castability 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 with an average production volume of 3-7+ models per day.

## Return On Investment Calculator

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

## 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
- Soldscape 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 Soldscape cost per model
- Monthly savings: Average savings per model multiplied by number of models per month
- Time to pay back: Soldscape unit price divided by monthly savings

# The new Solidscape S390 — **Design without Limits**

## PRINTING PROPERTIES

<b>Layer Thickness:</b>	User Selectable - 0.001 inch (0.0254 mm) to 0.002 inch (0.0508 mm) at 0.00025 (0.00635 mm) increments
<b>Resolution:</b>	5000 X 5000 dots/inch (197 X 197 dots/mm) in X, Y
<b>Accuracy:</b>	±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
<b>Surface Finish:</b>	Layer thickness-dependent, up to 32 micro-inches (RMS)
<b>Start Process:</b>	Fully automated, one-touch operation
<b>Status Monitoring:</b>	Fully automated fault detection, restarts build from point of interruption
<b>New! Calibration Capacity:</b>	Quicker calibration and ability to select calibration frequency means less wasted material

## TECHNICAL SPECIFICATIONS

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

## MATERIAL PROPERTIES

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

## SOFTWARE AND SYSTEM REQUIREMENTS

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

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