S 3Duo

HIGH PRECISION 3D WAX PRINTER FOR JEWELRY

Your choice.
Total control.

Solidscape's new S3Duo offers industry-leading dimensional accuracy configured to your workflow.

solidscape

S 3Duo
HIGH PRECISION 3D PRINTER

CHOOSE YOUR DUO

ADVANCED

Extreme resolution for producing geometrically complex designs that demand microscopic precision.

SOLIDJET

The perfect balance of micron-precision and print speed for high-detail custom jewelry production.
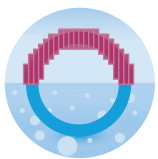
THE SOLIDSCAPE ADVANTAGE

DIRECTLY CASTABLE
Clean burnout, no thermal expansion, and no ash residue minimizes post-processing.

INDUSTRY-LEADING PRECISION
The industry standard for dimensional accuracy and detail for true-to-CAD results

COMPLETE DESIGN FREEDOM
System-generated supports dissolve in post-printing, leaving a pristine wax model.

RELIABLE PERFORMANCE
Ready-to-cast models with crisp detail and smooth surface finish, print after print.

solidscape.com

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HIGH PRECISION 3D PRINTERS

Your designs,
fully realized.

The S3Duo offers unrivaled dimensional accuracy, reliability, and freedom to print models at the level of detail demanded by artisans.

Solidscape S3Duo for Jewelry

PRINTING PROPERTIES

	S3Duo Advanced	S3Duo with Solidjet
Layer Thickness:	User Selectable - 0.00025 inch (0.00635 mm) to 0.002 inch (0.051 mm) at 0.125 mil (0.003 mm) increments	User Selectable - 0.001 inch (0.0254 mm) to 0.002 inch (0.0508 mm) at 0.00025 mm)
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! Speed Mode Available:	Optional speed mode from 0.001 inch (0.025 mm) to 0.002 inch (0.051 mm) available for the Advanced version	Maximum print speed thanks to Solidjet technology

PRINTER SPECS

Build Envelope:	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
Colors:	Available in black or white

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