

Print 5 times smaller than
the width of your hair

Cad  **Cast**
3D Printing Solutions



WHAT DIFFERENT :

- Xtra - Dimensional-Printing (XDP) : Print up to 30% faster in 25-38 micron resolution
- Increase productivity, Reduced printing cost without compromising on quality
- XY resolution at 5,000 DPI and Z resolution at 8,000 DPI
- Wax based casting allows to operate at shorter production time at lower temperature
- Drag and Drop printing, no need to waste time on support generation



DIRECTLY CASTABLE

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



COMPLEX GEOMETRIES

Gravity-defying overhangs, undercuts, organic shapes and interlocking parts



SUPERIOR SURFACE FINISH

Pristine, smooth wax models require virtually no finishing



MELT-AWAY SUPPORTS

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



CLEAN BURNOUT

Fast melt out, no thermal expansion and ash or residue



INTUITIVE 3D PRINTER SOFTWARE

Troubleshoot and fix models before printing with drag-and-drop ease

solidscape
HIGH PRECISION 3D PRINTERS

The New Solidscape S360

PRINTING PROPERTIES

Layer Thickness :	User Selectable - 0.00635 mm to 0.0381 mm (6-38 microns)
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 :	Up to 32 micro - inches (RMS), geometry dependent
Start Process :	Fully automated, one - touch operation
Status Monitoring :	Fully automated fault detection, restarts build from point of interruption
Calibration Capacity :	Efficient calibration and optional user selectable frequency

TECHNICAL SPECIFICATION

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 prints run
Material Monitoring :	Display indicates build and support material levels accurately in 10% increments

SOFTWARE AND SYSTEM REQUIRMENTS

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

Solidscape®
by Prodway

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