

T76 Features

Product Description

The **T76** reduces your costs and time-to-market by translating CAD designs from jewelry, dental and engineering design software into 3D casting patterns. Grow models of your most intricate and complex designs with the assurance of results that are geometrically perfect and, in many cases, unable to be produced by hand crafting or by milling systems. Undercuts, overhangs and cavities are no problem because of Solidscape's dissolvable support material structure.

The T76 operates on standard current, uses non-toxic build materials and has a small footprint...making it truly office friendly. And the consumables? Inexpensive to use when compared to other model building system technologies. All this at a price that won't break the bank.

The High-Precision 3D Modeling System

High Precision

- 5000 x 5000 dpi
- Ultra-high resolution: 25M addressable drops per square inch (25.4 mm²)
- Build envelope: 6 x 6 x 4 in. (15.24 x 15.24 x 10.16 cm)
- Build layer: 0.0005 in. (0.013 mm) to 0.0030 in. (0.076 mm)
- Achievable accuracy: +/- 0.001 in. (0.025 mm) per inch in X, Y and Z dimensions
- Surface finish: 32-63 micro-inches (RMS)
- Minimum feature size: 0.010 in. (0.254 mm)



Easy to Use

- Automatic generation of model support structure
- Pre-configured build files for "first pass" model success
- Touchscreen access to job status, remaining build time, and other statistics

Efficient

- Less pre-build set up
- Minimal post-processing of model surfaces necessary
- User-adjustable build rate and other parameters

Reliable

- Built-in, automatic performance monitoring
- Accurate restart of build from point of interruption or power failure

Excellent Casting Qualities

- Direct casting of patterns
- Negligible co-efficient of thermal expansion (prevents casting shell ruptures)
- Fast melt out in autoclave
- No ash or residue contamination



Build Precision

- With build layers as fine as .0005 inches, the T76 system delivers higher precision models, prototypes, and patterns than any other pattern making systems.

Compatible with Mold-Making Materials and Process

- Works with silicone, RTV, epoxy, and other elastomeric molds
- Can be used to build injection molding tools

Non-Toxic, Office-Friendly Process

- No facility modifications required
- Uses non-hazardous materials

A True Office Peripheral

- Small footprint: 21.6 in. (54.86 cm) wide x 19.26 in. (48.92 cm) deep, 16.05 in. (40.77 cm) high
- Works with standard CAD files: .STL, .SLC
- Operates with standard PC, running Microsoft Windows 2000 Professional, XP Professional or Windows Vista Business

Affordable

- Costs less to own and operate than other rapid prototyping systems
- Low system price compared to most rapid prototyping systems
- Meets regulatory compliance: CE; FCC Class A TUV approved (EN60950 Compliant); RoHS Compliant