

T76

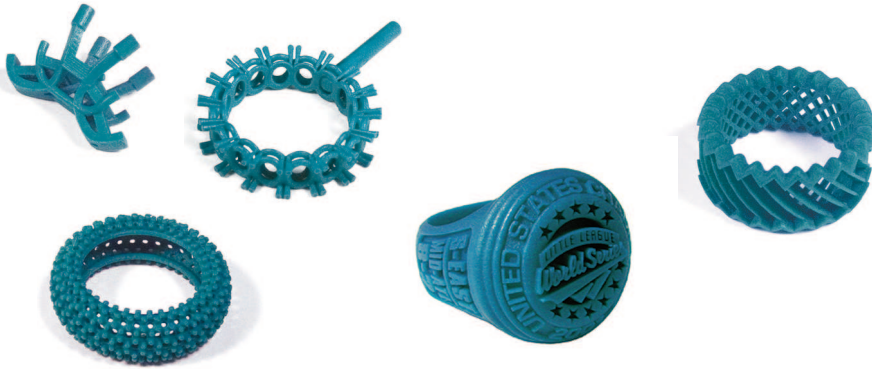
Enable your imagination..

Jewelry

Dental

System for high-precision casting patterns for the dental and jewelry industries

The T⁷⁶ system brings even greater ease of use to Solidscape's line of "set it and forget it" wax pattern making systems. As with all Solidscape systems, the T⁷⁶ uses Solidscape's acclaimed build material that is specifically formulated for lost-wax casting applications. This means 100 % casting yields, no pitting or shrinkage, and no ash residue. Operating from the included touch screen LCD panel, Solidscape's intuitive Windows CE based Click-It control software guides the user through the job startup procedures and user selectable options with ease. Transfer files to the T⁷⁶ using either an industry standard USB flash drive or the system's built-in ethernet interface. With greater ease of use, high casting yields and a very low cost-per-pattern produced, it is clear why the Solidscape T⁷⁶ is the system of choice.



The easy-to-use T⁷⁶ system operates in an office environment and turns your CAD files into 3D thermoplastic models suitable for molding and casting.



- No compromise. Includes the same **high resolution** as the other members of the Solidscape line of 3D printers...the highest in the industry.
- **Adjust the resolution** to accommodate varying model geometries.
- Uses **standard lost wax casting procedures**; no special equipment or methodology required.
- Uses a non-toxic thermoplastic build material featuring excellent lost wax casting qualities (fast melt out, no ash or residue, no thermal expansion). Results in **higher casting yields** when compared to other model growers.
- Large 144 inch³ (2,360 cm³) **build area** can accommodate both jewelry designs and dental restorations.
- **No required material curing** means no added post-processing time or cost associated with a curing system.
- Eliminates many of the pre- and post-build steps required by other systems (**automatically** generates any necessary support for model cavities or undercuts, uses unique, easy-to-dissolve wax support — no scaffolding means no corrective cutting or sanding!).
- Supports unattended operation for "overnight" builds and features **built-in performance checks**, automatic re-starting from point of interruption, easy-to-adjust build and support parameters.
- Integrated audio-visual help system.



Solidscape

For more information call
Solidscape, Inc. at +995 77 54-12-12

T⁷⁶ System Specifications

Precise

- Adjustable Z-axis build layer: from 0.0005 inches (0.013 mm) to 0.0030 inches (0.076 mm)
- Achievable accuracy: ± 0.001 inches (0.025 mm) per inch across the X, Y and Z dimensions
- Surface finish: 32-63 micro-inches (RMS)
- Minimum Feature Size: 0.010 inches (0.254 mm)
- Calibrated Configurations for 0.0005, 0.0010, 0.0015, 0.0020, 0.0025 and 0.0030 inch (0.0127, 0.0254, 0.0381, 0.0508, 0.0635, 0.0762 mm) build layer thicknesses
- 5,000 dpi XY resolution

Efficient

- User-adjustable speed and build parameters for job-by-job efficiency
- Unattended operation (72 hours)
- Automatic status monitoring and fault detection (local and remote)
- Automatic re-start of build from point of interruption
- Easy-to-dissolve wax support: no post-build benchwork of model surfaces
- Fast meltout in autoclave, no ash, residue or thermal expansion
- Outstanding casting yields

T⁷⁶ System

- Build envelope: 6 x 6 x 4 in. (144 in³)/15.24 x 15.24 x 10.16 cm (2,360 cm³)
- Small Footprint: 21.60 inches (54.86 cm) width x 19.26 inches (48.92 cm) depth x 16.05 inches (40.77 cm) height
- Weight: 75 lbs (34 kg) without packaging
- Power requirements: 115v 60 Hz AC with a dedicated 20 ampere circuit or 230v 50 Hz AC with a dedicated 10 ampere circuit
- Recommended ambient operating temperature: 60 to 80 F (16 to 27 C) at a 40% to 60 % range of humidity
- Desktop operation; no facility modifications required
- Network ready
- Built-in USB 2.0 interface
- CE certified; FCC Class A approved; TUV approved (EN 60950 Compliant); RoHS Compliant

Model Works™ Software

- Familiar Windows interface
- CAD file input: .STL and .SLC
- Variable slice thicknesses supported in the same model or pattern
- Established calibrated configuration build files for rapid setup and “first pass” model success
- Automatic generation of model support structure
- Operates with standard PC running Microsoft Windows 2000 Professional, XP Professional or Windows Vista Business

Affordable

System price includes:

- T⁷⁶ hardware and software with one year warranty
- Starter kit of consumable materials and ModelWorks™ software
- Technical support via 800-number (in U. S.) and FTP

T⁷⁶

Enable your imagination..

SolidScape Pe®, Inc .

SolidScape is the industry's leading manufacturer of high-precision 3D modeling systems. SolidScape systems are used today for modeling prototypes and casting patterns for fine jewelry, dental restorations, turbine blades, medical instruments and prosthetics, consumer goods, electronics, and many other high-precision products.

For more information on the T⁷⁶ system contact SolidScape®, Inc. at:

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