

T612 Benchtop

When precision counts.

The high-precision master pattern-making system

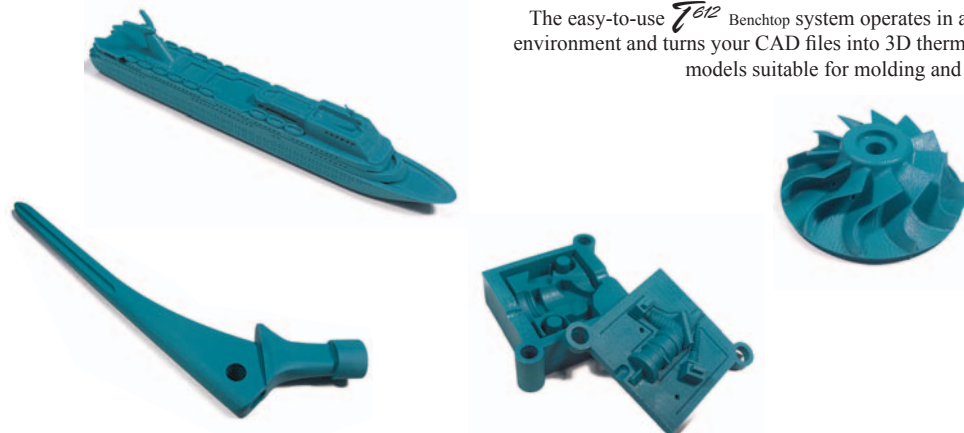
The T612 BENCHTOP provides precision, accuracy and the best price/performance of any pattern-making system in the industry. With the T612 BENCHTOP'S precision, you will achieve vastly improved turnaround by eliminating wax carving and unnecessary post processing. Go directly to investment casting or rubber mold making. And with this kind of power at your fingertips, you will be better equipped to meet today's demands for reduced time-to-market requirements. The T612 BENCHTOP system provides solutions for your patterns fitting within a build envelope of 12 x 6 x 6 inches....and at a cost that is as highly affordable.

Meeting the requirements of a wide range of applications, the T612 BENCHTOP system:

- Delivers unmatched precision, with the flexibility to produce tooling-grade patterns and highly accurate models.
- Stands side-by-side with your CAD design software in a normal office environment and works with standard CAD files. Operates with a standard PC running Microsoft Windows 2000 Professional, XP Professional or Windows Vista Business.
- Uses a non-toxic thermoplastic build material featuring excellent casting qualities (fast melt out, no ash or residue, negligible thermal expansion); highly suitable for mold-making and works with a variety of mold-making processes.
- Eliminates many of the pre- and post-build steps required by other systems (automatically generates any necessary support for model cavities or overhangs, uses unique, easy-to-dissolve wax support — no scaffolding means no corrective sanding or filling!).
- Supports unattended operation for "overnight and over the weekend" builds, and features built-in performance checks, automatic re-starting from point of interruption and easy-to-adjust build and support parameters.
- Costs less to own and operate than other rapid prototyping systems in its class.



The easy-to-use T612 Benchtop system operates in an office environment and turns your CAD files into 3D thermoplastic models suitable for molding and casting.



Solidscape

For more information call
Solidscape, Inc. at +1 (603) 429-9700

T⁶¹² BENCHTOP System Specifications

PRECISE

- Adjustable Z-axis build layer: from 0.0005 inches (0.013 mm) to 0.0050 inches (0.127 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, 0.0030, 0.0040 and 0.0050 inch build layer thicknesses

EFFICIENT

- User-adjustable speed and build parameters for job-by-job efficiency
- Unattended operation (72 hours)/Network ready
- Material replenishment without having to abort current build
- 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
- Negligible expansion, fast meltout in autoclave, no ash or residue

T⁶¹² BENCHTOP SYSTEM

- Maximum build envelope: 12 x 6 x 6 inches (30.48 x 15.24 x 15.24 cm)
- Small Footprint: 28.0 inches (71.12 cm) width x 19.5 inches (49.53 cm) depth x 19.5 inches (49.53 cm) height
- 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
- No facility modifications required
- CE certified; FCC Class A approved; TUV approved (EN 60950 Compliant); RoHS Compliant

MODELWORKS™ SOFTWARE

- 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
- Familiar Windows interface; operates with a standard PC running Microsoft Windows 2000 Professional, XP Professional or Windows Vista Business.

AFFORDABLE

System price includes:

- T⁶¹² BENCHTOP hardware and software; Factory training for one operator
- External vacuum system with commercially available consumables
- ModelWorks™ application software
- Starter kit of consumable materials
- Network ready
- Installation by Solidscape or Solidscape reseller
- Technical support via 800-number (in U. S.) and FTP

T⁶¹² Benchtop

When precision counts.

SOLIDSCAPE®, INC.

Solidscape is the industry's leading manufacturer of high-precision 3D modeling / rapid prototyping systems. T⁶¹² BENCHTOP systems are used today for modeling prototypes and casting patterns for jet engine turbine blades, medical instruments and prosthetics, consumer goods, automotive parts, electronics, jewelry and many other high-precision products.

For more information on the T⁶¹² BENCHTOP system contact Solidscape®, Inc. at:

Tel: +1 (603) 429-9700

Fax: +1 (603) 424-1850

Email: precision@solid-scape.com
Visit our World Wide Web site at
<http://www.solid-scape.com>

Solidscape

Solidscape®, Inc.

316 Daniel Webster Highway
Merrimack, NH USA
03054-4115

Tel: +1 (603) 429-9700

Fax: +1 (603) 424-1850

T⁶¹² BENCHTOP, ModelWorks™, InduraCast™, InduraFill™, InduraBase™ and Solidscape® are trademarks of Solidscape®, Inc.

Windows is a trademark of Microsoft Corporation.

The information in this document is subject to change without notice.

Copyright 2007 Solidscape®, Inc.
All rights reserved.

Rev. 6/07