

# T76 Specifications

## Technical Documentation

### Precision

ACHIEVABLE ACCURACY:

- Build layer: 0.0005 in. (0.013 mm) to 0.003 in. (0.076 mm)
- Surface finish: 32-63 micro-inches (RMS)
- Minimum feature size: 0.010 in. (0.254 mm)
- Size of micro-droplet: 0.003 in. (0.076 mm)
- Plotter carriage calibration: automatic, before each build cycle
- Build envelope: X = 6 in. (15.24 cm), Y = 6 in. (15.24 cm), Z = 4 in. (10.16 cm)



### Efficiency

- Plotter carriage speed: up to 20 in. (50 cm) per second at rated travel speed
- Unattended operation
- Material refill during operation
- Automatic fault detection and status monitoring
- Re-start of build from point of interruption

### T76 System

- 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
- Power requirements: 115v 60 Hz AC with dedicated 20 ampere circuit or 230v 50 Hz AC with a dedicated 19 Ampere circuit
- CE certified; FCC Class A approved TUV approved (EN60950 Compliant); RoHS Compliant
- Ambient operating temperature: 60° to 80° F (16° to 27° C) at a 40% to 60% range of humidity



### ModelWorks™ Software

- Multiple slice thicknesses supported in a single build
- Operates with standard PC running Microsoft Windows 2000 Professional, XP Professional or Windows Vista Business
- CAD file input: .STL, .SLC

### InduraCast™ Material

- Composition: thermoplastic
- Melting point: 203° - 230° F (95° - 110° C)
- Co-efficient of thermal expansion (CTE): negligible
- Residue after autoclave process: none
- No shrinkage, distortion, disintegration at normal temperatures
- Non-toxic
- Supplier: Solidscape, Inc.



### InduraFill™ Material

- Composition: natural and synthetic waxes and fatty esters
- Melting point: 120° - 158° F (49° - 70° C)
- Soluble in a mineral oil bath at 140° - 150° F (60° - 65° C)
- No post-dissolve dry or cure time
- No post-dissolve finishing or touch up necessary

- Non-toxic
- Supplier: Solidscape, Inc.

### **Affordable**

#### INCLUDES:

- **T76** system
- ModelWorks application software
- Starter kit of consumable materials
- All software updates for the first year
- Factory/On Site training for one operator
- Technical hot-line support via toll-free number (in USA)