

See more info now at:
www.thermalpress.com/MicroLAB.asp
OR
Call Us: **877-642-7100**

► **How the Thermal Press team will improve your business:**

- 1) Thermal Press engineering and sales staff is your complete production partner.
- 2) We coordinate and optimize your part design and assembly processes.
- 3) Tap into over 30 years' experience in manufacturing assembly systems & solutions.
- 4) Utilizing the latest in CAD, CAM and FEA technologies.

► **Services Available:**

- ▶ Technical Support
- ▶ Installation & Training
- ▶ Preventative Maintenance
- ▶ Calibration Services
- ▶ Medical Validation/Qualifications

Customers Say:

"I highly recommend Thermal Press whether you have a project that needs the extra effort to iron out some early kinks, or a fully developed process that needs to be implemented in an organized and efficient way."

*-Rich
Medical Mfg, Bay Area, CA*

"Thermal Press knew ahead of time that our company was from a regulated industry (medical device) and therefore knew our strict requirements. I would recommend Thermal Press to any facility requiring precision heat staking equipment."

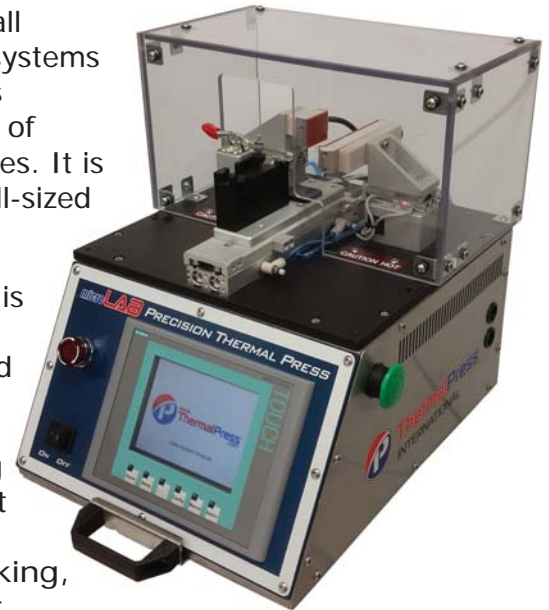
*-Patrick
Medical Device Mfg, Santa Barbara, CA*

MicroLAB Series Thermal Press®

The MicroLAB Series Thermal Press has all of the features of our larger production systems in a very small footprint. The MicroLAB is completely configurable with a multitude of customized tooling and actuation packages. It is the perfect solution for miniature to small-sized assembly applications.

MicroLAB is a self-contained system that is designed for use in Clean Rooms and laboratory environments. Commonly used for implantable medical device assembly.

Thermal Press is the industry leading standard in the engineering of robust precision machines and thermal assembly systems used for; heat staking, swaging, sealing, insertion, film/filter sealing/welding, heat seal connectors, hot bar soldering, and many other precision assembly processes.



Available Options:

- Custom Actuation Packages
- Multi-Horizontal Actuators & Controls
- Servo-Actuators & Controls
- Part Clamping Systems
- Vision and Inspection Systems
- Part Detection and Verification
- Part Loading & Unloading Systems
- Tables: Power, Rotary and Linear
- Data Acquisition Packages
- Lab Table Slide Systems (Self-Contained)

Join an elite team today!
Call Us: 877-642-7100

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Your Plastic Assembly Experts - Engineering Solutions since 1976!





Thermal Press

The Original Thermal Press®

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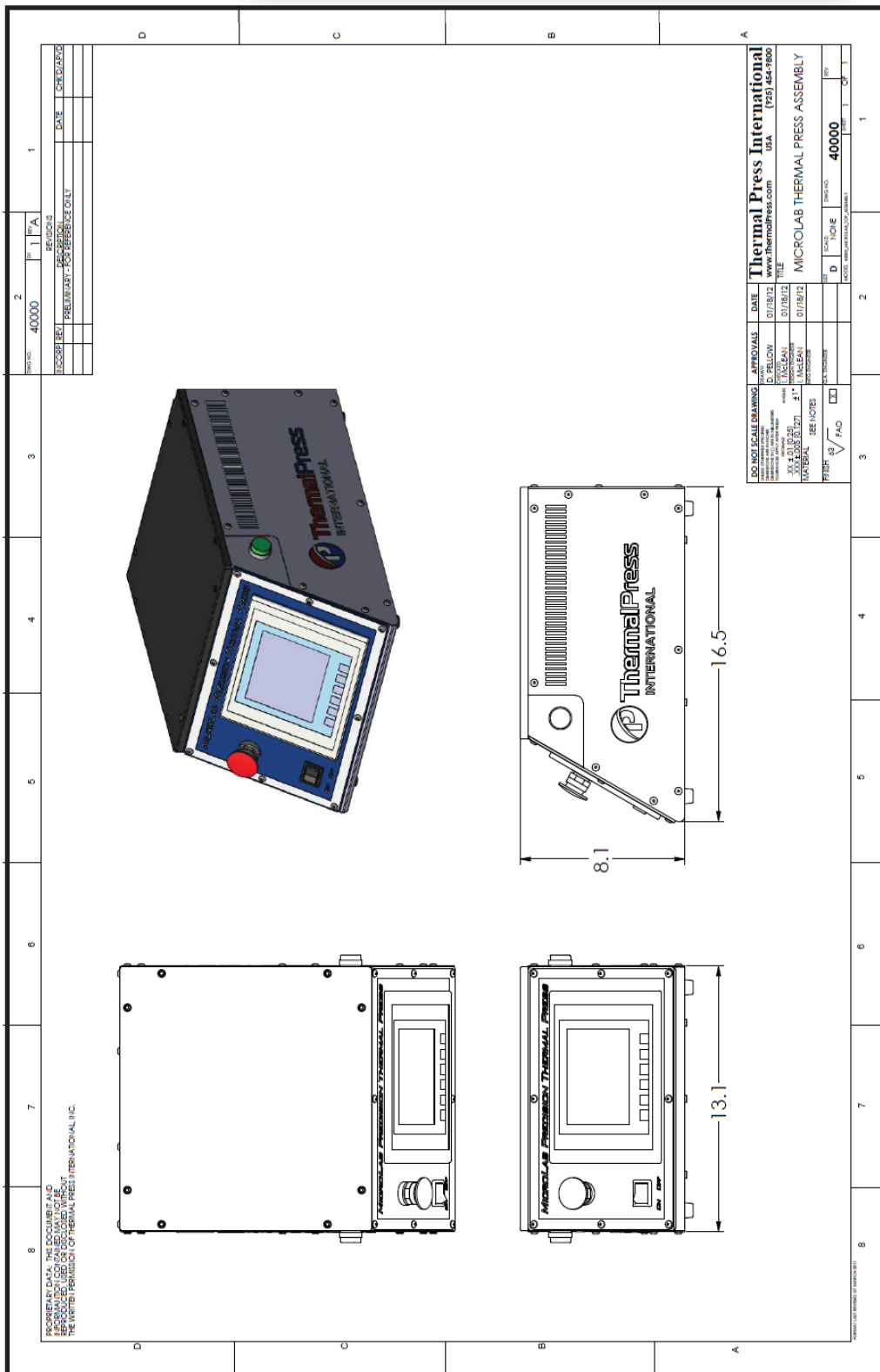
SPECIFICATIONS:

- Electrical:
 - 120VAC (15A MAX)
 - 240VAC (30A MAX)
- Pneumatic:
 - 120 PSI (MAX), 1-2 SCFM
- *Standard Stroke: 1-4 inches
- *Column Height: 1-6 inches
- *Force Output (MAX):
 - 250 lbs (114 kgs)
- *Weight: 30 lbs (14 kgs)
- *Work Surface Requirements:
 - 13" W x 17" D x *10-20" H
- * Varies based upon Application Specs

FEATURES:

- Customizable Actuation & Tooling Packages
- Made in USA at TPI facility in Livermore, CA
- HMI Color Touchscreen (Operation & Setup)
- Recipe Storage via HMI Touchscreen
- HMI with multi-programmable USER/PW
- Integrated Digital PID Temperature Controls
- Integrated Digital Timers & Counters
- Programmable Process Parameter Alarms
- Velocity Control for precise Travel Speed
- OSHA, CE, NFPE, and NEC compliant
- Industry Leading 3 Year Warranty

*Note: Thermal Presses are configured and delivered with application specific engineered tooling packages. Actual dimensions and details will vary, based upon the tooling and options included with the system. Thermal Press provides design reviews of the equipment and tooling packages, prior to the manufacturing of the equipment.



Your Plastic Assembly Experts - Engineering Solutions since 1976!