



Plastic Heat Staking and Insertion Equipment

Model TS 100 Series Hand Operated Press

The Sonitek 100 Series hand operated press is ideal for low volume production runs or for prototyping applications. The 100 Series press comes standard with a 340 watt tapped (1/4-28) probe for replaceable tips or a 3"x3" heated platen for custom tools. The temperature controller is a state of the art microprocessor based, auto-tuning, P.I.D. based unit. With seventeen different standard models to choose from and a virtually limitless arrangement of custom tooling available, the Sonitek 100 Series Thermal Press is an ideal assembly press no plastic house should be without.

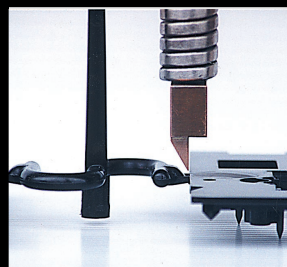
INSERTION

Standard tips available for inserts up to 3/8" or M10.



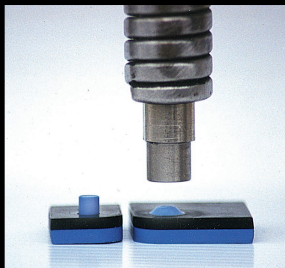
HOT KNIFE DE-GATING

Heated sharp blades with beveled edge can cut gate flush to $\pm .010$



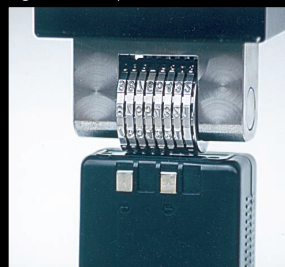
STAKING

Custom platens available to stake several studs/tabs simultaneously.



DATE CODING/SERIALIZE

Type holders or multi-wheel numbering heads for permanent I.D.



Guarding removed for clarity purposes.
Fixture is optional



100 Series

Bench Top Press

Ideal for low volume production runs.

Thermal Press 100 Series

Features

- Tapped probe/platens (1/4-28) for interchangeable tips.
- Cast aluminum base.
- 1 1/4" diameter solid stainless steel column.
- 3" stroke distance.
- Gross head height adjustment.
- 80-999°F operating range.
- Quick change-over tool mount design.
- Solid state technology.
- Lever actuated with spring-loaded return.
- Adjustable locking positive stop.
- J-type built-in thermocouple.
- Operates on 110/115 VAC, 50/60Hz (220 available).

Options

- Up to six outputs and two temperature zones.
- Hydraulic speed control.
- Cycle timer and signal light
- Extended column height (up to 36").
- Large platens (up to 6"x6").
- Set of 8 insertion tips .080" - 3/8" (M2.0-M10I).
- Hot knife beveled blade up to 1" long (1/4"-28 thread) for degating/cutting
- Dual adjustable probe mount (adjust from 2 - 8").
- Customized fixturing.
- Elongated heater probes.
- Set of eight staking tips 1/32" to 1/4" dia. studs.
- Out of temperature alarm (light).
- Post cooling kit.
- Machine stand with casters.

Other models available from Sonitek:

500 Series

Pneumatic bench top units available with digital or microprocessor controls and up to twelve independent temperature zones.

TS-1500 Series

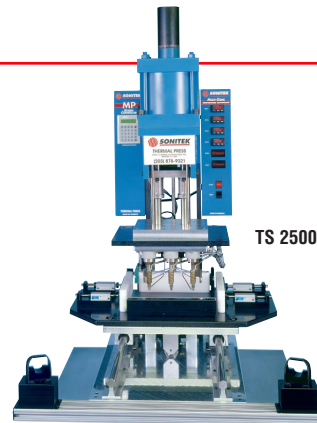
A 1 1/2 ton press with either 8"x8" heated head or 10"x10" custom probe mount.

TS-2500 Series

A 2 1/2 ton press with either 10"x15" heated head or 15"x15" multiprobe mount.

TS-5000 Series

A 5 ton press with heated head sizes up to 30"x30". Higher tonnage available.



TS 2500



500 Series

With optional **Tek-Port™** communications package and software

SONIC WELDERS, DRILL PRESSES AND VMC CONVERSION KITS

Sonitek Thermal Conversion kits (TCK) for sonic welders, drill presses and or VMC's allows you to easily convert your idle machine into a thermal press (and back again) with our 100 series controller and "dummy stack". Standard tooling for the TCK includes your choice of a probe or a 3"x3" platen. Choose from the following model numbers:

TCK100-B Fits Branson 400 & 800 Series, S&M 1085, USS PT20.

TCK100-D Fits all Branson 900 Series, 5170, 8800 and Dukane heavy duty thrusters.

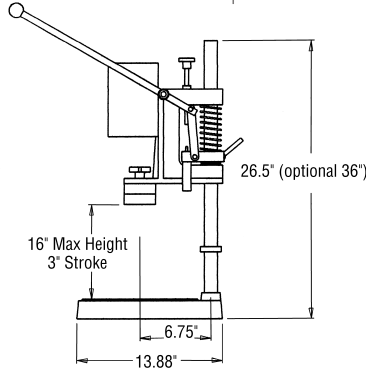
TCK100-F Fits S&M 1080, Dukane slim line.

TCK100-K For drill presses and VMC's.

TCK100-T Timer expansion option.

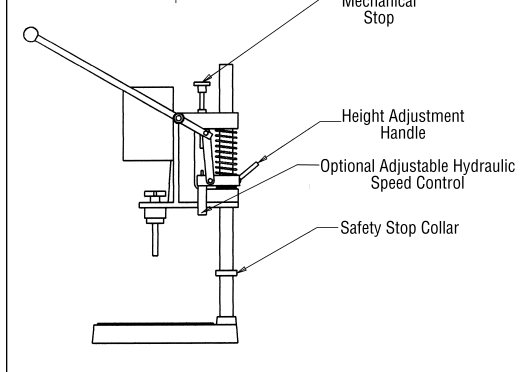
Model TS 100

Shown with a 3"x3" heated platen.



Model TS 100

Shown with thermal probe.



Sonitek reserves the right to change specifications without notice.

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