

PAS

PLASTIC ASSEMBLY SYSTEMS

Model .2500IAS Intelligent Actuator System

The PAS Model .2500IAS Intelligent Actuator System is a high tonnage, precision, true closed-loop heatstaking machine designed for production runs of medium to large sized parts.

Heatstaking and insertion makes use of direct contact heated tools and precisely controlled time, temperature, pressure and cooling, to reform plastic studs, walls, and protrusions, or to embed metal components into plastic. This offers the ability to perform multiple operations on several planes simultaneously. Cycle times are relatively fast, and productivity can be increased through the assembly of multiple products. Cosmetics are so exceptional that heatstaking appears to be an extension of the molding process.

Standard Features

- Microprocessor based system controls
- System part cycle counter
- Linear distance control
- Preheat function designed for insertion
- Multi-sequenced distance control
- Rapid advance feed (adjustable)
- Linear compensating fine feed (adjustable)
- Thomson hardened guide shaft
- Thomson die set bearing for superior accuracy
- Pneumatic slide table with hardened guide shafts
- Powder coated steel table with casters
- Guarding with electronically interlocked easy-access doors
- Zero-force "Opto" style actuation switches
- Quick tooling change over
- Lock out / tag out system dump
- PID based temperature controllers with auto-tune feature
- Operating manual
- Hydraulic power pack
- 6" of available stroke
- Pressure regulator / filter
- Freeze out cooling
- 2 year warranty

Options Available

- Adjustable leveling base
- Light curtain actuation
- Pneumatic part clamping
- Larger frame sizes available
- DVT vision system part detection
- RS232 communications with software
- Automation remote actuation cables
- Analog pressure regulator
- Part presence detection
- Manual part clamping
- Auto part eject station



WE SUPPLY SOLUTIONS!

**ULTRASONIC WELDERS • HEATSTAKING AND INSERTION MACHINES • VIBRATION WELDERS
SPIN WELDERS • HOT PLATE WELDERS • CUSTOM ASSEMBLY SYSTEMS • PRE-OWNED EQUIPMENT**

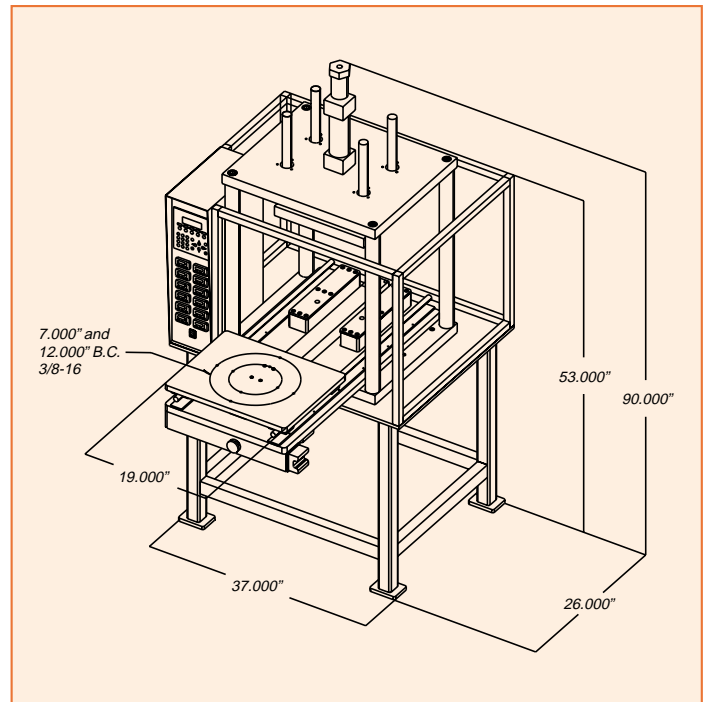
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Specifications:

- Nominal Pressure: 2 1/2 ton
- Clamp Pressure @ 80 psi: 4500 lbs.
- Cylinder Bore Dia.: 2.50 inches
- Power Req. : 240 VAC, 1 phase, 20A
- Pneumatic Req. : Clean, dry air at 100 psi / 7 bar

Dimensions:

- Part size max standard : 19 x 15 inches
- Part height max standard : 20 inches
- Note: additional frame sizes available for larger parts
- Overall dimensions: (36 W x 48 D x 90 inches)
- Stroke: 6.00 inches
- Throat width : 19 inches
- Weight: 700 lbs.



System Controls:

- Hydraulic system controls.
- Multiple distance function controls and checks all parameters of system operation and is the primary control for all machine functions.
- Overall cycle time monitors exactly how long it takes to make a complete part from initial start to head retracted.
- Over process control alerts operator when the system takes too long to make a completed assembly.
- Over distance control alerts operator to excess travel of machine head.
- In-temperature feature checks system prior to every cycle to assure proper operating temperature and can be adjusted in 1 degree increments above and below temperature set point.
- True system dwell time and freeze out cooling time destroy part memory and assure a tight assembly.
- Machine setup menu allows operator to change the operating mode of the system. Slide tables, freeze out cooling, part clamping and part presence detecting can be turned on or off by a simple press of a button.
- Multiple job storage allows you to store operating parameters for fast, easy machine setup.
- Multiple cycle counters, machine overall cycle counter and re-settable day counter.
- Multi-zone temperature control capable up to twelve zones standard, can be monitored and changed remotely via a RS232 communication port.

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