

PAS

PLASTIC ASSEMBLY SYSTEMS

Model .50IAS Intelligent Actuator System

The PAS Model .50IAS Intelligent Actuator System is a high-quality, true closed loop heatstaking machine designed for full production runs of small to medium sized parts (i.e. medical parts) that require SPC feedback.

Heatstaking and insertion makes use of direct contact heated tools and precisely controlled time, temperature, pressure, and cooling to reform plastic studs, walls, or 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, allowing for the assembly of multiple products. Cosmetics are exceptional, so that heatstaking appears to be an extension of the molding process.

Standard Features

- Microprocessor based system controls
- System part cycle counter
- PID based temperature controllers
- Easy access gross head height adjustment
- Zero force "Opto" touch palm buttons
- Lock out tag out system dump
- Adjustable hydraulic speed control
- Fine pitch 24 tpi mechanical depth stop
- LCD display with 4 line/80 character resolution
- System cycle counter
- Freeze out cooling
- Linear distance control
- 6" of available stroke
- Quick tooling change over
- Pressure regulator
- Machine operating manual
- Dovetail column design
- 2 year warranty

Options Available

- Analog pressure regulator
- RS232 communications with software
- Automation remote actuation cables
- Pneumatic or manual part clamping
- Part presence detection
- DVT vision system part detection
- Light curtain actuation
- Bowl feeders
- 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

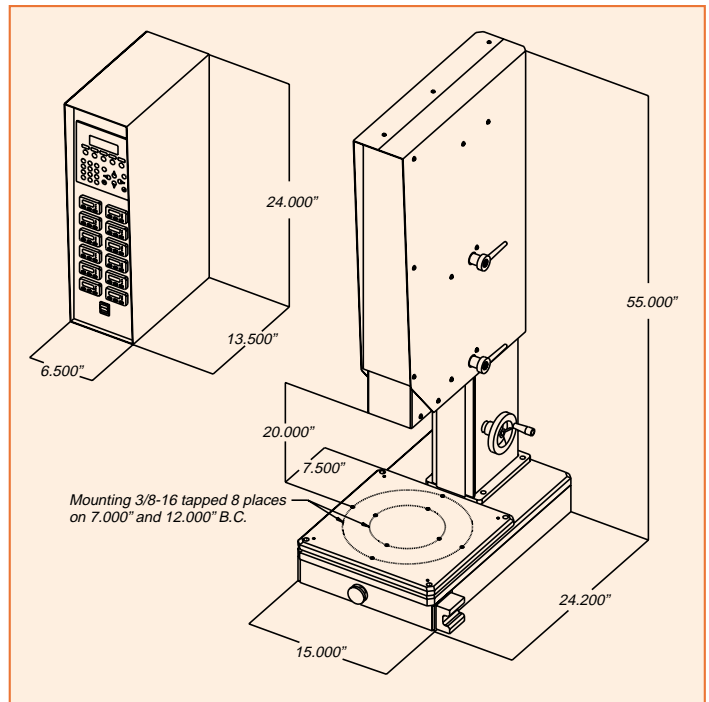
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Specifications:

- Nominal Pressure: 1/2 ton
- Clamp Pressure @ 80 psi: 1000 lbs.
- Cylinder Bore Dia.: 4.00 inches
- Power Req. : 240 VAC, 1 phase, 20A
- Pneumatic Req. : Clean, dry air at 100 psi /7 bar

Dimensions:

- Work Base: (24 x 15 x 4 inches)
- Part Height Max: 20 inches
- Overall Dimensions: (15 W x 24 D x 55 inches)
- Stroke: 6.00 inches
- Throat: 7.5 inches from center of head
- Weight: 400 lbs.



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 system took 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 assures 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 an RS232 communication port.

The Model .50IAS features a large operator interface with numeric keypad



The back panel of the unit features multiple heater outputs and system control connections



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