

PAS

PLASTIC ASSEMBLY SYSTEMS

Model .50IASR Intelligent Actuator System Rotary

The PAS Model .50IASR Intelligent Actuator System Rotary is a high quality, true closed loop heatstaking rotary machine designed for high volume production runs of small to medium sized parts, like 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
- Multiple position indexing dial
- Machine operating manual
- System part cycle counter
- PID based temperature controllers
- Fine pitch 24 tpi. mechanical depth stop
- Zero force "Opto" touch palm buttons
- Lock out tag out system dump
- Adjustable hydraulic speed control
- Easy access gross head height adjustment
- Quick tooling change over
- System cycle counter
- Freeze out cooling
- Linear distance control
- 6" of available stroke
- Pressure regulator
- 2 year warranty
- Dovetail column design
- Camco electric indexer

Options Available

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



WE SUPPLY SOLUTIONS

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

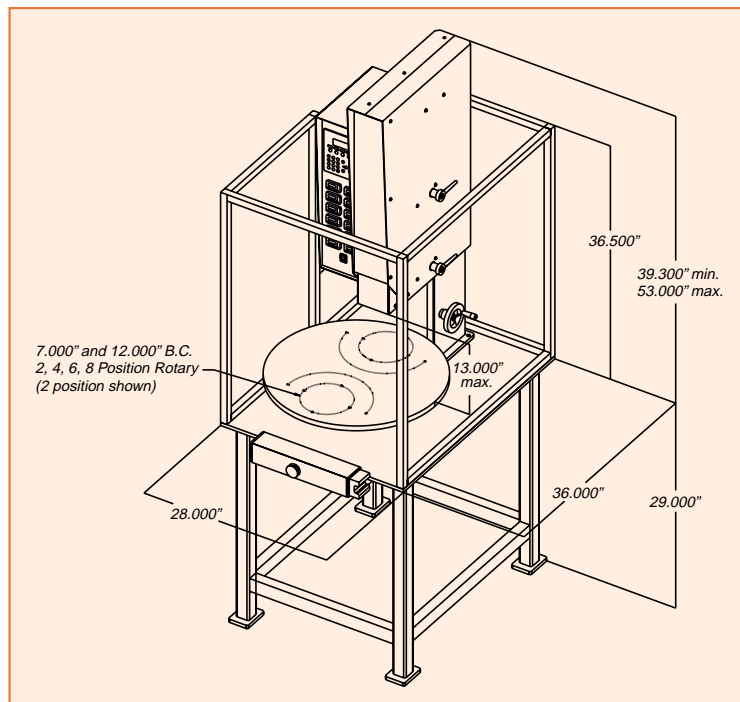
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Specifications:

- 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:

- Part Height Max: 20 inches
- Overall dimensions depend on dial size:
Standard (28 W x 36 D x 81 max. inches)
- Stroke: 6.00 inches
- Throat: 7.5 inches from center of head
- Weight: 600 lbs.
- Stations: Two standard



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 a RS232 communication port.

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124 PEPE'S FARM ROAD • MILFORD, CT 06460 USA • FAX: 203.882.1718 • TEL: 866.882.1701

E-MAIL: SALES@HEATSTAKING.COM • INTERNET: WWW.HEATSTAKING.COM

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