

## MODEL STS 2000

The PAS Model STS 2000 Servo Thermal System offer the highest level of machine control in the industry to date. PAS combines Servo control in the Z-axis allows for precise and rapid control of your thermal applications. Our complete line offers end users the ability to run small, medium, and large parts; along with applications that require high precision and repeatability The STS 2000 can be used as stand alone piece of equipment, or coupled with other automation technologies to meet your part volumes.

Thermal Assembly 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.

PAS combines new servo control technology with years of experience to bring the most advanced line of thermal assembly equipment to market.

### STANDARD FEATURES

- Servo Driven (Z-axis )
- Rolled ball screw
- Z-axis control adjustable in .001" increments
- Multiple machine modes
- Z-axis speeds adjustable in .100" inches per minute increments
- Multiple speeds/ feeds and distances per each cycle
- Multiple job storage 1-999 jobs
- Adjustable head home position allows for lowered start position to increase production
- Dual linear rails with four linear carriages
- Steel ground machine column
- 20" machine travel to accept long parts  
(longer strokes available)
- STS 2000 actuator heads can be easily mounted into automation and can be mounted in any axis
- Microprocessor based hardware with touch screen display
- Zero force Opto touch palm buttons
- Steel Blanchard ground work table with locking casters
- Integrated machine controls with no mechanical adjustments
- Integrated Temperature Controls
- FRL assembly for pneumatic part clamping



### OPTIONS AVAILABLE

- Automation remote actuation cables
- Part presence detection
- Light curtain actuation
- Automatic part ejection station and systems available
- Vision system part detection
- Rotary, Pallet, Under/Over Conveyor integration

# SPECIFICATIONS

