

## **PLASTICWELD SYSTEMS HPS-05 DB**

PlasticWeld proudly introduces their newest innovation for tightly controlled high capacity tip forming. The HPS-05 double independent dual coil tip forming system utilizes two individually controlled 500 watt power supplies paired with individually controlled pneumatic actuators. The result is a system that enables you to independently fine tune every critical process parameter for each tipping fixture. As an added bonus, the machine is programmed to enable operation in either a 1-up or 2-up configuration. In fact, two different products could be produced during the same cycle – enabling new levels of adaptability for lean production work cells.

### **FEATURES INCLUDE:**

- Dual 500 watt power supplies run concurrently, yet independently control their respective induction coil to provide the maximum level of adjustability in a high-capacity production configuration.
- Two high precision pneumatic regulators independently control individual ball bearing & precision rail pneumatic actuators.
- Collet clamping of tubes, adjustable clamp pressure.
- PLC and Color Touch-screen Operator Interface control all mechanical functions and provide program storage.
- 0-100% step-less power, heat On/Off and diagnostic functions are all controlled through the Operator Interface Panel.
- Programmable multi-level heating cycles for both power supplies.
- Constant current control within  $\pm 0.5\%$  of a 10% line voltage variation.
- Load matching transformer & capacitors.
- Easy clean Stainless Steel Cabinet with integrated work platform.
- Precision pneumatic regulators.
- Water cooled coil and tool holder.
- Simple adjustment for correct coil placement.
- Cycle initiation by panel push button or foot pedal switch.
- PlasticWeld Systems RF Transistorized Solid State induction heating unit, HPS-05, rated at 500 watts, 110/120 volt 50/60hz, 1 phase; operates at a set frequency between 50 and 100 kHz
- Self-contained re-circulating ambient air liquid cooler
- PWS standard program, with 20 data-set storage capacity and no security lock-out codes. Customized programming available.

