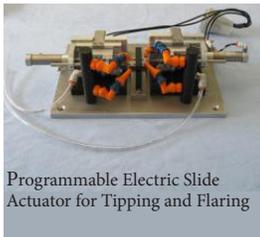


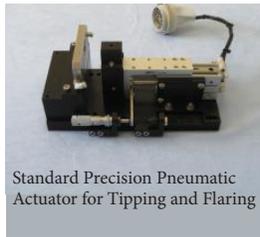
To meet the growing market need for a scalable and multi-functional catheter production system, PlasticWeld Systems developed the **HPS10-MXP** multi-function interchangeable platform system. This system utilizes interchangeable tool pallets, quick-change electronic & pneumatic connectors and on-board programming to provide the most versatile bench top equipment available. Users are able to quickly change between pneumatic or electric slide tipping, flaring, flanging, eye forming, tube bonding and end forming – utilizing the same base machine. Most tool pallets are scalable with a choice of 1-up or 2-up configurations. This format is especially suited to lean production work cells, R&D departments and small batch production environments.



Quick-change components



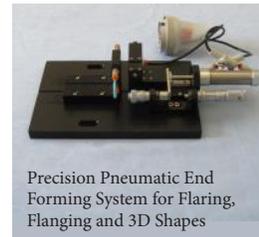
Programmable Electric Slide Actuator for Tipping and Flaring



Standard Precision Pneumatic Actuator for Tipping and Flaring



Micro Pneumatic Precision Actuator for Tipping Small Diameter Tubes



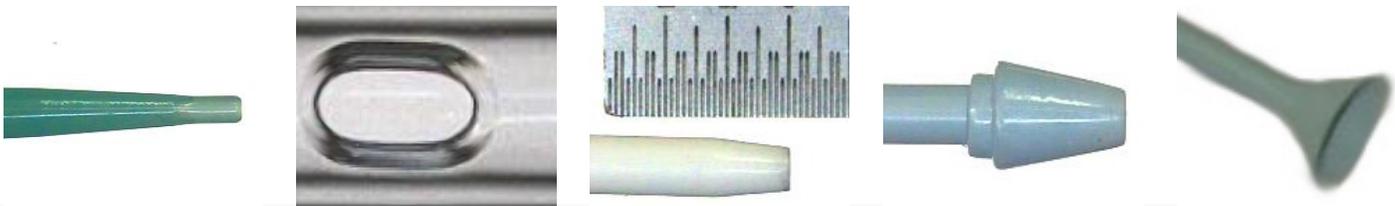
Precision Pneumatic End Forming System for Flaring, Flanging and 3D Shapes



Precision Polished Eye Forming System

Features include:

- Interchangeable tool pallet system
- Base machine is pre-wired to accept all tooling platforms.
- Quick change plate mounts, pneumatic and electric connections enable 5 minute change over between any two pallets.
- 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.
- Constant current control within $\pm 0.5\%$ of a 10% line voltage variation.
- 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-10, rated at 1.0 kw, 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. 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.



PlasticWeld's HPS10-SP and HPS10-DP tip forming systems utilizes a 1,000 watt power supply paired with a precisely controlled pneumatic actuator to provide exceptional, consistent results for 1-up or 2-up tip forming or simple flaring. The machines handles a wide range of tube sizes. Multiple options are available to customize the operation and functionality of the system.



Features include:

- High precision pneumatic actuator for accurate and repeatable feed control.
- 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.
- 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, HPS10, rated at 1,000 watts, 110/120 or 220/240 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

