

EQUIPMENT SPECIFICATION

Item #1 PLASTICWELD SYSTEMS EYE FORMING MACHINE

- Machine can be configured to produce one or two tubes with each cycle, and can punch up to two (2) eyes on each tube - oriented 180 degrees apart with minimum 0.5 inch offset along the length of the tube.
- Low friction pneumatic slide(s), adjustable forward and return speed, distance control and pneumatic pressure.
- 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.
- 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.
- High precision pneumatic regulators for eye punch slides.
- Water cooled coil.
- Refrigerated air cooling of dies.
- Simple adjustment for correct coil placement.
- Micrometer stop adjustment for eye punch travel and position.
- Cycle initiation by panel push button or foot pedal switch.

Item #2 POWER SUPPLY

PlasticWeld Systems RF Transistorized Solid State induction heating unit, HPS-10, rated at 1.0 kw, 110/120 (or 220/230) VAC 50/60hz, 1 phase; operates at a set frequency between 50 and 100 kHz

Item #3 INDUCTION COIL

Item #4 WATER COOLING UNIT

Self-contained re-circulating ambient air liquid cooler

Item #5 OPERATOR INTERFACE PROGRAMMING

PWS standard program, with 20 data-set storage capacity and no security lock-out codes.