



## FUSION INCORPORATED

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### **BRAZE MATE** Two Station **Model 100LS** Brazing/Soldering Machine

#### SEQUENCE OF OPERATION:

- Operator loads assembly into stainless steel fixture mounted to 18" dia. dial plate.
- Paste applied with automatic dispenser gun.
- Operator presses touch button and manually rotates dial plate 180° into locked position.
- Dual touch buttons pressed to actuate automatic heating/cooling cycle.
- Operator loads and pastes another assembly on second fixture during heating/cooling cycle.
- After heating/cooling, operator rotates dial plate 180° back to load station
- Joined assembly unloaded by operator. Rates from 40-70 per hour, depending on the application.



#### SPECIFICATIONS

**CONSTRUCTION:** Structural aluminum frame with clear polycarbonate guarding on three sides.

**DIMENSIONS:** 40"W x 60"D x 34" load height; operator can be seated.

**PASTE APPLICATOR:** Two modes available, hand-held or (side of machine) stationary mounted.

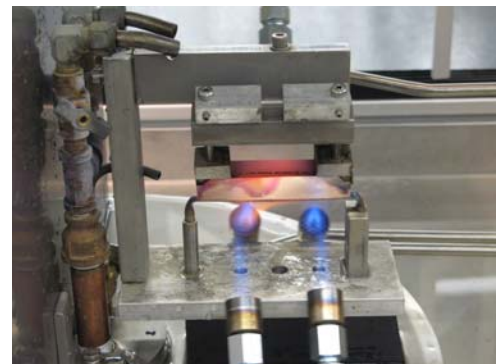
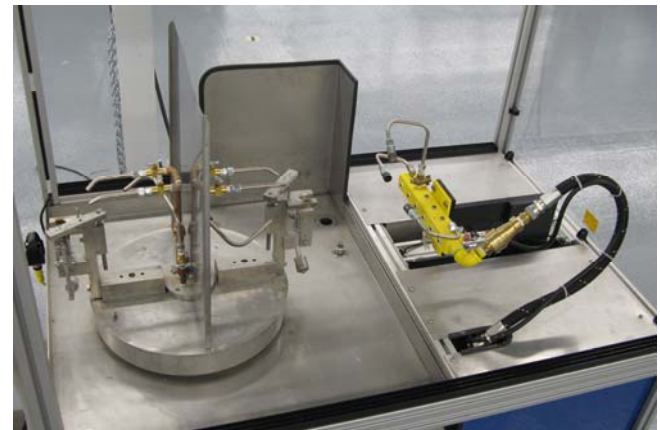
**HEATING:** Rigid steel gas train includes air pressure switch, gas flow meter, and manifold pressure gauges. Single-axis heat slide oscillates throughout timed heat cycle to eliminate "hot spots" at assembly joint area. Quick-change heat manifold adapts to different part requirements. Hi-Lo flame control to conserve fuel when heat is idle.

**COOLING:** Timed air and water sequence; water captured in stainless steel trough; optional water recirculating system available.

**FIXTURES:** (2) stainless steel mounted on 18" dia. dial plate. Quotations based on assembly drawings and parts.

**CONTROL:** PLC with Operator Interface Panel to change timers and counters.

**UTILITIES:** 120 volts, single phase, 5 amp; natural gas or propane; 80 psi air, water and drain.



*Oscillating burners distribute heat evenly throughout joint area.*