

The Most Cost Effective Choice for Through-Hole Selective Soldering

RELIABLE, DEPENDABLE, FLEXIBLE



Reliable Process Control

- Allows safe selective soldering or removal on the most delicate or thermally challenging assemblies.
- High thermal mass equates to low operating temperatures.
- No scraping pads or reheating incomplete desoldered joints.

Precise Operating Control

- Closed loop control of set temperature. System can be set to 615°F (325°C).
- Adjustable solder flow to control wave height for any tooling configuration.
- Cycle duration sets time solder contacts the board.

Reliable Solder Pot and Pump

- 2500 watt solder pot.
- Cast iron pump, high temp bearings and belt.

Simple, Reliable, Robust

- Closed loop control of set temperature. System can be set to 615°F (325°C).
- Adjustable solder flow to control wave height for any tooling configuration.
- Cycle duration sets time solder contacts the board.

Robust Construction

- Cast framework for continuous, industrial, long-life usage.
- Alignment System insures board is parallel to solder wave.
- Board Carrier provides large PCB holding with precision rail movement and positioning.

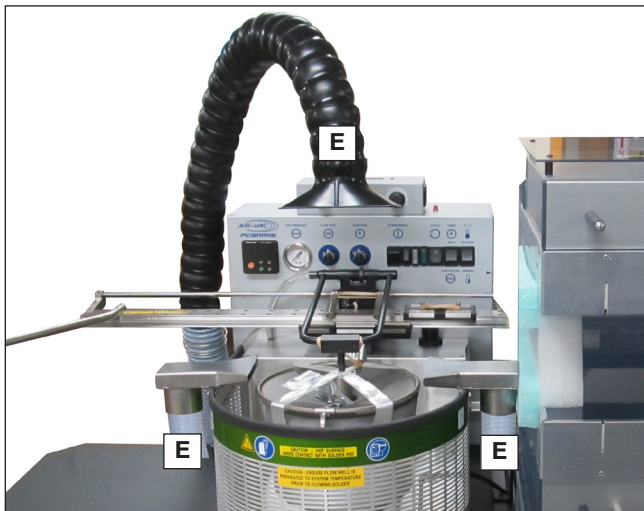
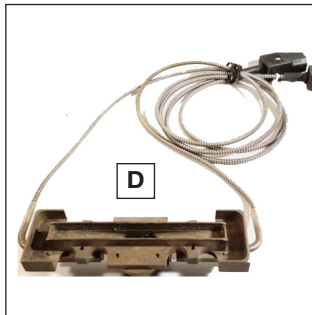
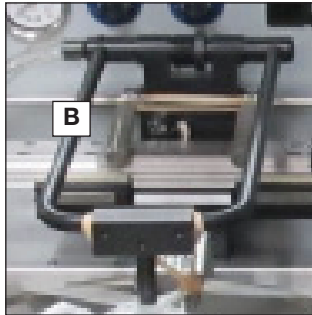
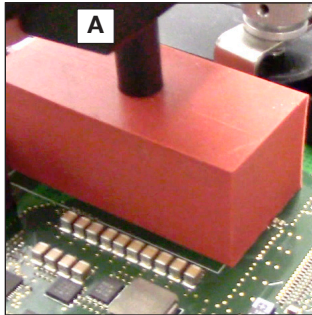
Flow Wells & Cleaning Hoods for Successful Reflow Soldering

Tooling

Titanium Flow Well Set (#FWLSTD)
23 standard component size flow wells.

Cleaning Hood Set (#CHSTD)
23 standard component size cleaning hoods.
Contact Air-Vac if Custom Flow Wells are required.

Options



(A) - Air Blow Off System (#APS)

(B) - Component Locating Arm (#APS-1)
Aligns component over solder wave. After component removal, low pressure air is applied to the lead pattern, forcing the molten solder from the barrels.

(C) - Flow Well Heater Control Module (#ST350)
Independent power source maintains uniform heat on larger flow wells **(D)**.

Carrier Arm Extension Assembly (not shown)
(#3006.01.010 set of 4) (#3006.01.040 single)
Used when component is near or against the carrier rails.
Positions board away from rails.

(E) Fume Extraction Manifolds (#3005.02.040)
Removes solder fumes and flux vapors. Connects to central exhaust or fume extraction unit (sold separately).

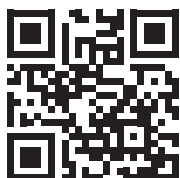
Fume Extraction Unit (#1020.01.105) High suction force and HEPA efficiency of 99% at 0.3 micron. (not shown)

Nitrogen Inerting of Solder Pot (#4004.03.040) (not shown)

Stand Alone Preheater (#PHS1500, PHS4000) (not shown)
Infrared Preheaters are ideal for high thermal mass assemblies, providing near perfect uniform heat.

Technical Data

- **Operating Dimensions:** 49"W x 27"D x 25"H
- **X/Y Board Carrier Size:** 22"W x 24"D (standard)
- **Solder Capacity:** 35 lbs.
- **Total Weight with Solder:** 125 lbs.
- **Electrical:** 208/220 VAC, 15 amps, single phase
- **Compressed Air:** 60-80 psi, clean moisture free



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