

Polaris
ELECTRONICS CORP.



Accu-Weld 4100 AC/CD Vacuum Welder

- Vacuum and special gas backfill capabilities with or without a dry box
- Ideal for R&D and special applications
- Hermetically seals Crystal, TO, Platform & other microelectronic and optoelectronic packages

Accu-Weld 4100 AC/4200 CD Vacuum Welder

The 4100 AC/ 4200 CD provides vacuum and special gas backfill capabilities with or without a dry box, making the 4100/4200 the ideal weld head for R&D and special application. After evacuation, simply fill with any inert gas to produce the required atmosphere.

- Hermetically welds microelectronic and optoelectronic packages: DIP packages, TO, optical, semiconductor, crystal and custom packages
- Welds to MIL SPEC 883
- Adjustable weld head and travel speed
- Levels down to 10 millitorr at the weld point are easily achievable
- Stand alone or enclosed in an atmosphere chamber
- Pre-aligned/indexed electrodes for easy dressing and changing
- Economical power supply provided for high through-put, flexibility and accuracy
- Self-diagnostics with error read-out
- Multiple weld cycle modes
- 208/480 VAC, 50/60 Hz, Single Phase
- CE certified

4100 AC Vacuum Single-Station Resistance Welder

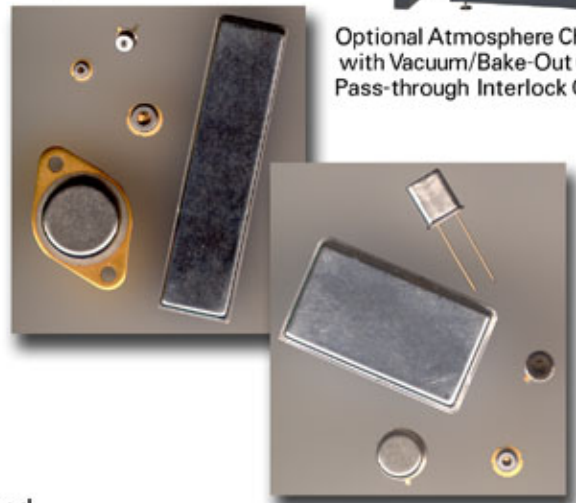
- High accuracy and repeatability of phase angle controlled power
- Available with pre-heat or post heat
- Weld time up to 99 cycles
- Heat pulse amplitude and duration fully controllable

4200 CD Vacuum Single-Station Resistance Welder

- Heat pulse amplitude fully controllable
- Energy output independent of power fluctuations
- Short, high intensity pulse reduces peripheral build-up of heat and concentrates energy in weld zone
- Designed for delicate materials, larger package sizes and line voltage variations
- May be configured with output ranges from 1,000 to 7,000 Joules
- Transformers coordinated with power supply output levels for utmost efficiency



Optional Atmosphere Chamber with Vacuum/Bake-Out Oven and Pass-through Interlock Chamber



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