

**Polaris**  
ELECTRONICS CORP.



# Venus III

## Parallel Seam Sealer

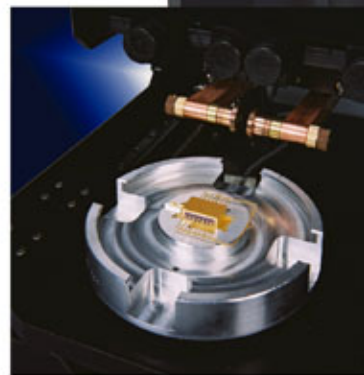
- Resistance welding or solder reflowing to MIL SPEC 883 for microelectronic and optoelectronic packages
- Linear sealing for metal and ceramic, square and rectangular packages up to 5.2" with fixturing available up to 9"
- Self-contained lid tacking operation

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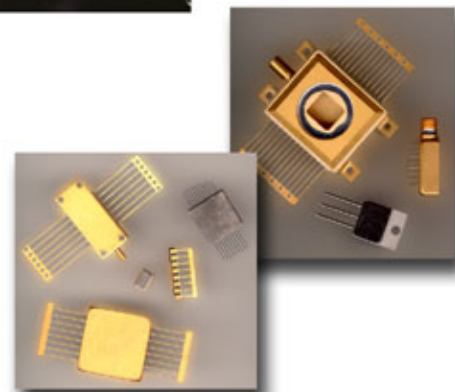
## Parallel Seam Sealer

For years the Venus III has proven its accuracy, reliability and cost efficiency. The straight-forward engineering minimizes operator training and maximizes quality out-put. The low initial cost of the Venus III delivers the fastest payback in the industry.

- Single package, hermetic sealing and solder reflowing on microelectronic and optoelectronic metal and ceramic packages to MIL SPEC 883
- Linear sealing for square and rectangular packages from 0.2" to 5.5" with fixturing available for packages up to 9"
- Self-contained tacking operation
- Force equalizing system between electrodes
- Microprocessor-controlled phase angle firing for power control
- Maximum power output of 3500 watts
- Moisture and oxygen set point interlock available
- Modular design for easy maintenance
- Inexpensive, quick-change electrodes
- Straight-forward engineering for easy operation
- CE certified
- Available as a stand-alone unit or enclosed in an atmosphere chamber
- Low package temperature during sealing process
- Positioning accuracy 0.001" (stepper motor control)
- Self Diagnostic error messages
- Embedded microprocessor control of all functions
- Programmable welding force of 0 to 2500 grams
- Independent stepper motor control of welding motion
- No external control units--only a power supply needed
- Software up-gradeable in the field
- 200 to 240 volt operation
- Automatic force compensation at corners of packages
- Weld speed of 1" per second



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



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