



Full-automatic Parallel Seam Seal Welding Machine OS-1300 Type

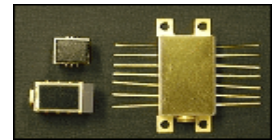
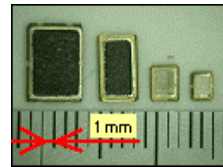
Applications : Sealing for the ceramic packages for the crystal (Oscillator, Clock, Filter) photo/semiconductor

Features :

This welding machine is designed for full-automatic operation. The packages are fed automatically from the carrier table to the turn table in the N₂ ambient, then the machine automatically feeds the packages from the unit to the turntable and then put the lid onto the package for a seam seal (X,Y axes) of the device. The sealed device is fed back to the carrier tape.



1. Touch panel operation for setting the operation parameters (Packaging type, Dimensions, Welding Conditions)
2. Double feeding prevented by installing an inspection system
3. Simplified mechanism by employing Mechanical-Alignment method for positioning a lid and casing.
4. Long and continuous operation with specially constructed holders for the electrodes (Patent Granted)
5. Featured technology, "Auto tracking" function that varies the roller electrode width in each run for enhancing the electrode lifetime
6. Improving the electrical response by pressing the Roller electrode with the adoption of a spring



Package Samples

Main Specifications:

Main Power Source	3 Phases 200V±10% 13.5 k VA
Compressed Air Source	Pressure 0.5Mpa (5kgf/cm ²)
N ₂ Gas Source	Pressure 0.5Mpa (5kgf/cm ²)
Cooling Water Source	Pressure 0.2Mpa (2kgf/cm ²) *For cooling the Baking Oven

Dimension: 1,250× 1,900× 2,000 (D× W× Hmm)

Weight: 1600 kg

<<OPTION>>

- Vacuum Bake Chamber may be installed with Rotary, Scroll, Diffusion, Turbo-molecular, or Cryo pump
- Dew Point Meter / Oximeter, etc.

<<OTHERS>>

- OS-20 (29) S : Manual Seam Seal Welding Machine for R & D and Low Volume Production
- OS-1300 : Turn Table Type Full Automated Seam Seal System
- OS-33 : Full Automated Seal System for Optical Semiconductor



Origin Electric America Co., Ltd.

21535 Hawthorne Blvd. Suite 103 Torrance, CA 90503
TEL: 310-944-9150
FAX: 310-944-9160