

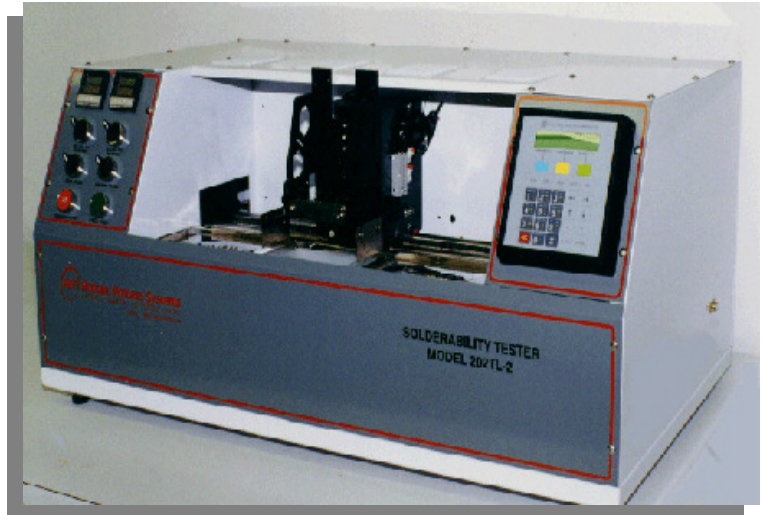
RPS-202TL-2

Multi-axis

Solderability Tester

FEATURES

- Microprocessor Control
- Greatly Improves Productivity
- Low Cost
- Compact Size
- Pre Fluxing Operation
- Fully programmable
- Multiple moves, multiple speeds
- 2 All Stainless Steel Solder Pots with PID Proportional Temperature Control With autotuning
- Optional Rotary Indexing head and Vacuum chucking systems
- Automatic Dross Wipers
- Accommodates all Device Types and Styles
- Optional RS232 Port to Windows Based Control software



DESCRIPTION

The RPS 202TL-2 is a microprocessor controlled solderability test system that meets MIL-STD-202, method 208/MILSTD-2000 with speed and precision. All process parameters are set digitally. The microprocessor is capable of storing 20 different programs. These programmes handle all of the system movements and dwells.

All functions are set for automatic processing and deliver precise repeatability in continuous applications. Flux pot, static solder pot, and automatic dross skimmer are integral to the system. All controls are within easy operator access on the front panel with large digital displays. The microprocessor controls totally interlock the system for safety and ease of use.

Solder Pots :

The solder pots are constructed of a special alloy stainless steel, specifically selected for its non-contaminating attributes and durability. This is the only material that comes in contact with the solder and therefore provides metallurgical stability. A PID temperature controller regulates the solder temperature within ± 3 of set point. The controller has the ability to autotune itself to optimize the PID parameters. Solder capacity of the pot is 6 lbs. The pot is charged with ultra-pure SN63 and tested at the factory for 8 hours. The pots simply lift out of the RPS 202TL-2 body for service.

Safety :

The Rps 202TL-2. An emergency stop switch is located on the control panel. The System will not allow movement of the toolhead until the solder has become molten. The system is shipped with solder pot covers for the melting of the solder. The system features all UL components and UL equipment wiring.

See Reverse Side For Specifications, Applications and Options.

SPECIFICATIONS

Performance, 202TL-2

Operation :	Automatic with twenty (20) different processes in memory.
Accuracy :	X-Axis : $\pm .002$ " Z-Axis : $\pm .002$ "
Capacity :	Varies - typical capacity up to 45 axial and 21 radial components at one time.
Immersion Depth:	Controlled via stepper motor control system.
Immersion Accuracy :	$\pm .002$ "
Speed In/Out :	From .1" to 3"/sec
Immersion Time :	From .1sec. to 1000sec

Performance, Solder Pots

Temperature Controllers :	2 Discrete temperature controllers, (0 - 350), ± 3 PID.
Usable Pot Surface is :	2" x 4" Static, with automatic dross skimmer.
Solder Capacity :	6lbs.
Usable Depth :	2"

Operational : RPS 202TL-2

Electrical Input :	120 VAC/1 PH/60Hz/10 Amperes.
Controller :	Micro Processor

Physical

Construction :	Base constructed of heavy gauge steel with leveling feet, for table top mounting. Steel uprights and Struts. All components are epoxy coated.
Dimensions :	36"W x 16"H x 20"D
Net Shipping Weight :	150 lbs.

OPTIONS

RS232 Communications Port
High capacity Solder pots and Flux pot
Heavy duty support stand
Custom Tooling

Specifications subject to change without notice.

APPLICATIONS

MIL-SPEC requires solderability testing after the pre-tinning and steam aging process. Steam aging in accordance with MIL-STD 202, etc. accelerates defects within the 8 hour test. The RPS 202TL-2 has been designed to meet all test requirements, and also has the added programmability to serve as a miniature complete pre-tinning system when not in use for test purposes.

Robotic Process Systems also offers highly accurate steam aging systems for companies requiring the complete aging and test system.

The 202TL-2 accommodates all types of both axial and radial components. Components are loaded into titanium racks. The racks are then loaded into the pallets. Pallet capacity is typically up to 45 components (axial leaded devices), and 21 components (radial pallets). Pallets are loaded by sliding them into grooves flat to the working liquid surfaces. It takes less than 10 seconds to load, unload, and restart the cycle.

Standard tooling for axial and radial devices - D.I.P.S., connectors, transistors, S.I.P.S., pins, quad and flat packs - are readily available from Robotic Process Systems. The 202TL-2 comes with one magnetic and standard axial-radial tool.

Customized tooling can be supplied for all non-standard applications. Automatic loading equipment is available to further reduce labor and enhance productivity

This precise ability of the RPS 202TL-2 to control all process parameters make it the ideal solderability test system for both main and sub contractors dealing with government contracts. It is also a perfect pre-tinning system for general manufacturers needing smaller run tinning capabilities jobs. The system is extremely easy to use and highly accurate for all applications.



EASTCO LIMITED

705, 7/F., LUEN CHEONG CAN CENTRE,
8 YIP WONG ROAD, TUEN MUN, N.T., HONG KONG
TEL : (852) 2456 1823, 2456 1842
E-MAIL : info@eastco-hk.com

FAX : (852) 2469 1767, 2404 5114

WEB SITE : <http://www.eastco-hk.com>