

Electronic Technology Corporation

T: 630-584-2050 F: 630-584-2117 E: jeglum@ameritech.net
38W553 Hilltop Drive, Saint Charles, IL. 60175
WWW.ETCFAB.COM

Your Lead Free Equipment Source

Product JT Lead Free Wave Soldering System

The JT designed SM-450 Wave Soldering Machine, is the result of many years of product and process improvements, that have resulted in a lead free soldering system that will give maximum soldering yields with minimum problems. The resulting Sm-450 Wave Soldering Machine, is winning acclaim across all sectors of electronic assembly, and gives manufacturing a quantum leap forward in lead free assembly. Call Electronic Technology Corporation for a quotation and additional information.



FEATURES:

- Proven developed Electromagnetic Pump System or the Standard Impeller System.
- Utilizes Windows XP Operating System for optimizing process control.
- Computerized spray-fluxing unit, which accurately and precisely meters the flux quantity.
- Computerized control of conveyor with precise, automatic width and angle adjustments.
- Three zones of preheat with independent control of the temperature and airflow.
- Advanced MHD technology, even & consistent wave surface; no mechanical moving parts, reduced dross generation and ease of maintenance.
- Optional Nitrogen System.
- Forced cooling of the solder joints to enhance solder joint reliability and reduce solder defects.
- Optional Ultrasonic Spray Fluxer system.

OPERATION & CONTROL SYSTEM:

- Windows XP Operating System • Full PC Control with Record Of 1 Year Parameters & Log.
- LCD Display + Industrial Computer • Touch Screen LCD Panel At The Side Of Solder Pot For Easy Operation • PLC (Siemens) Control • PID +SSR Closed Loop Temperature Control For Preheating Zone & Solder Pot • Auto-Power ON/OFF Switch Function • Emergency Stop Button Is Located In Two Top Side Of Machine's Control Panel • UPS • Current Leakage Protector

FLUX SPRAYING SYSTEM

- Flux Spray Nozzle (Japan) Driven By Motor (Sanyo) With Self-Cleaning Function. • Auto-Gear Pump Flux Spraying System to Ensure Accuracy of the Spray Volume. • Cool Air Knife Behind Flux Spraying.

CONVEYOR SYSTEM

- Quick Replacement Titanium Fingers (V Shape, L Shape or Mixed V & L Shapes Available • Adjustable Conveyor Speed 0-2 m/min.; Auto-Adjustable Conveyor Width and Angle. • Digital Display On Conveyor Angle and Speed. • Fingers Rising When Returning, Which Avoid the Fingers Contacting With Solder Liquid; Keeps Fingers Cleaner

PREHEATING ZONES

- Three Micro Hot Air Convection Preheating Zones With Independent Adjustment For Air Velocity And Temperature. (Option: 1 Topside IR), Length: 1750mm • Three Tempered Glass Covers Over the Preheating Zones • Thermal Compensation with Length 100 mm and 2KW (Philips Cesium Lamps)

SOLDER POT

- Working Method - Electromagnetic Pump or Impeller Style pumps • Solder Pot Material - Complete Titanium Alloy • 5 Year Warranty For Whole Solder Pot • Digital Control & Display The Wave Height & Solder Temperature • Solder Overheating Or High Temperature Limit Protection, Dual Safety Control • 350mm and 450mm Wave Nozzle Can Exchanged Easily (Option: 350 mm Nozzle) • Motorized Solder Pot For In/Out And Up/Down • 5 Rows Of Chip Wave Nozzle For High Density Soldering

COOLING SYSTEM

- Standard Outside Water Chiller • Dimensions: 1150 (L), 480 (H) • Power: 2 (HP)

POWER REQUIRMENTS

- 380 VAC 50/60/HZ, 3 phase / 220 VAC 50/60 HZ 3 phase
- Air: 72 psi

Call or e-mail for a demonstration of this amazing product

Another fine product from [Qualitek International](#)