



# cleaning platform: MEGA<sup>TM</sup>ION

### SOLVENT TYPE:

WATER, IPA, COMPLEX ALCOHOLS, AND ORGANIC SOLVENTS

#### SYSTEM CAPABILITIES:

#### ✓ SOLVENT IONIC REGENERATION

Increases bath life by removing flux as well as particulate contamination from the wash solution. This provides on average a 300% to 1000% increase in bath life and reduces solvent waste. Ionic regeneration also increases the solvent resistance above 60-M $\Omega$  using standard IPA

#### ✓ CLOSED LOOP OPERATION

The MEGA<sup>™</sup> ION system operates in a closed loop environment with wash bath life maintained through the use of an integrated ionic exchange system. This provides your facility with completely zero waste discharge during standard operation.

#### ✓ PROCESS LOGGING

The MEGA<sup>™</sup> ION can provide complete cycle data logging including temperature, resistivity, cycle time, pass/fail states, and contamination levels. This data is provided in easily formated XLS output. Cycle results display on-screen at the end of each cycle as well.

#### ✓ PROCESS GUARANTEE

The machine will provide the user with full process guarantee. With automatic resistivity reading/logging the system, will maintain cleanliness consistency from the first board to the last.

- Removes Fluxes
- Performs IPC ROSE Test
- Closed Loop Operation No Drains
- Aqueous or Organic Solvents
- Stainless Steel Construction
- Automatic Wash/Rinse/Test/Dry
- 230VAC, 10AMP, 50/60Hz

# **World's First Cleaner & ROSE Tester**

# SYSTEM BENEFITS

- ✓ FAST CYCLE TIMES (10-20 MINUTES/BATCH)
- ✓ ENVIRONMENTALLY FRIENDLY
- ✓ MULTI-SOLVENT CAPABLE
- ✓ IONIC CONTAMINATION DETECTION
- ✓ CLOSED-LOOP SPRAY UNDER-IMMERSION
- ✓ IDEAL FOR HIGH RELIABILITY APPLICATIONS
- ✓ SMALL FOOTPRINT (762-MM X 914-MM)
- ✓ EASY TO OPERATE TOUCH PAD INTERFACE
- ✓ DESIGNED FOR SAFETY, CLOSED OPERATION

### ENVIRONMENTAL BENEFITS

- ✓ NO LIQUID WASTE STREAMS
- $\checkmark\,$  PATENTED ION EXCHANGE RESINS REGENERATE SOLVENT
- ✓ VOC REGULATION COMPLIANT (SCAQMD RULE 1171)
- ✓ SEALED SOLVENT OPERATION

# CLEANING BENEFITS

- $\checkmark\,$  USES WATER, IPA, AND OTHER APPROVED ORGANIC SOLVENTS
- ✓ TESTS AND CLEANS SEQUENTIALLY
- ✓ ISO 9002 COMPATIBLE PROCESS CONTROL
- ✓ DATA LOGGING

# **VISIT US ONLINE!**

FIND OUT MORE ABOUT THE **MEGA™ ION** ON THE AUSTIN AMERICAN TECHNOLOGY WEBSITE AND READ THE RESEARCH WHICH SETS US APART FROM THE REST.

# www.aat-corp.com/products/mega





The Mega ION cleaning system is the only system in its class to feature a patented solvent regeneration system. The system is capable of removing flux from the solvent medium while deionizing the solvent at the same time.

This aids solvent to remove ionic contaminants and fluxes from the board surface efficiently, maintaining the bath life of the solvent indefinitely.

It additionally allows the system to perform ionic contamination testing as defined by the ROSE test.