



## Meet the Newest Member of Hi-Tech's Family

**Over 30 Years of  
Commitment  
to Innovation.**

### The Electrovert Aqua Storm 100 Inline Cleaning System

The Electrovert Aquastorm 100 is a versatile, high-performance cleaning system designed to optimize the PCB cleaning process. The Aquastorm 100, with its setup design, is ideally suited to RMA and no-clean flux applications that require chemistry, as well as removal of water-soluble organic acid flux.



#### Cleaning Technology

Functional sections of a cleaner are designed to accomplish different tasks in removing contamination. Some sections maximize flooding, while others maximize impact force for cleaning tight spaces. The Aquastorm uses proprietary pump and nozzle technology throughout the system to optimize performance. The Aquastorm's appropriately sized modules and strategic manifold placement increase throughput while ensuring thorough removal of contaminants. The Aquastorm features perforated rails, curtain containment, and a cabinet designed to manage wash solution within the system for maximum conservation of costly chemistries. The wet chemical isolation module is powered by the recirculating rinse pump to ensure optimal prerinsing and to facilitate closed-loop recycling of the rinse section. Even the exhaust is separated between the wash and rinse modules to minimize chemical migration through the system.

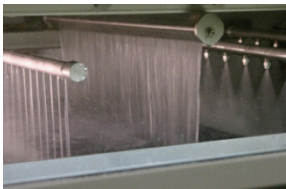
#### Lead-Free Process Ready

The importance of cleaning electronic assemblies increases dramatically with lead-free soldering. Higher temperatures are required in lead-free soldering, and wetting is much more difficult. To improve 'wettability', the flux compositions may require higher activation. High-solid flux formulations commonly leave more undesirable residue and require cleaning. A successful cleaning system must be able to handle the harsh demands of the lead-free process. The Aquastorm's unique technologies, such as the patented Hurricane Jet™ and JIC nozzles, provide unmatched impact force to penetrate under and around components and clean even the most challenging flux residues.

#### Advanced User Interface

The Aquastorm 100 is configured with a Windows®-based operating system that features process monitoring, data logging and product traceability via the system software. The system is easily networked for downloading of recipes and remote access to operating data. Quick and easy viewing of system pressures, water levels, pump and blower operation, temperature, and fill/drain operation, data logging, traceability and barcode capability

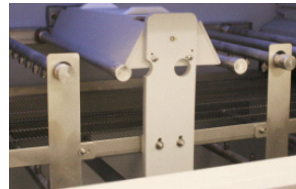
Wash Cycle One



Wash Cycle Two



Wash Cycle Three



Torrid Dry Section



5 Micron Inline Filter



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Hi-Tech Electronic Products & Mfg. 25 Hi-Tech Drive Oglesby, IL 61348  
1(877)448-3245 www.hitech5.com