



## AQUEOUS TECHNOLOGIES CORPORATION

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### FOR IMMEDIATE RELEASE

#### **Aqueous Technologies to Showcase Trident Automatic Defluxing Systems at APEX 2008**

**Rancho Cucamonga, CA — March 2008** — Aqueous Technologies Corp. announces that it will highlight the Trident, its fourth-generation automatic defluxing system, and Trident II in booth 2431 at the upcoming APEX 2008 exhibition and conference scheduled to take place April 1-3, 2008 in Las Vegas. The Trident Series represents the next generation of lead-free compatible, fully automatic post-reflow defluxing systems.

Michael Konrad, Aqueous Technologies' president and CEO, said, "Trident represents a culmination of more than 20 years of batch-format defluxing equipment experience." Trident automatic defluxing system is the fastest batch-format defluxing system available. Trident's specific throughput rate is determined by equipment model and user's board size. Trident is available in four throughput configurations, the highest is capable of defluxing and cleanliness testing up to 896 4 x 6" (101 x 152 mm) boards and up to 112 18 x 20" (457 x 508 mm) boards per hour.

The most flexible defluxing system available, Trident also offers several defluxing configurations designed to provide complete compatibility with all defluxing requirements. The system's defluxing process consists of up to five cycles including prewash, wash, rinse, cleanliness testing and drying. Prewash, if selected, may consist of a steam soak, high-pressure DI water spray, or chemical spray and soak. The wash cycle uses environmentally responsible defluxing solutions, neutralizing and solubilizing flux and other residues. The rinse cycle is controlled by the built-in cleanliness tester in which rinse cycles are added or subtracted from the process automatically, based on the user's selected cleanliness requirements. The dry cycle uses a unique combination of radiant and convection heat for rapid, thorough drying.

Trident is equipped with an automatic chemical management system that automatically measures and doses concentrated defluxing chemicals into the wash-solution recirculation system. The wash solution is captured and reused, eliminating routine chemical discharge. Level gauges indicate the available levels of wash solution and concentrated chemical.

Trident is equipped with a unique inverse-mounted vertically oriented spray pump that virtually eliminates pump-caused dragout, lowering the volume of defluxing chemistry consumption and associated costs. Built-in statistical process control (SPC) data capturing technology allows users to view historical SPC data, including actual cleanliness results, both at the machine and remotely from other network-connected PCs.

Trident's stainless steel plumbing and EPDM pump seals provide full compatibility with a variety of environmentally responsible, operator-safe defluxing chemicals.

Also on display during APEX will be the Trident II, which features all the same features as the Trident, but is also capable of removing all flux residues including rosin, no-clean and water soluble. Both lead and lead-free flux residues may be removed using Trident II. Trident II is equipped with a closed-loop wash solution recycling system. Wash solution is heated automatically and sprayed on the assemblies. At the end of the wash cycle, the wash solution is directed back to the wash solution holding tank for subsequent reuse. Rinse water is then sprayed onto the assemblies until the desired cleanliness level is achieved. All rinse water is directed through the pre-drain filtration system then sent to drain. Assemblies are dried via the on-board convection and radiant forced air drying system. An optional Zero-Discharge evaporation system eliminates connection to a drain line.

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