



# Clean

STENCILWASHER CATALOG





## WELCOME TO AQUEOUS TECHNOLOGIES!

Our company specializes in the manufacturing of cleaning and cleanliness testing systems for the electronics assembly industry. Aqueous Technologies' equipment utilizes our planet's purest substance for the removal of harmful residues. It is our mission to continue developing environmentally mindful equipment which assists manufacturers with increasing product reliability.

Our product line has been developed to address manufacturing concerns such as flux polymerization associated with Pb free alloys and spray impingement concerns from increasingly difficult to clean low stand-off component spaces. Awareness of our environmental impact has necessitated a place in our equipment designs for effluent management and completely zero discharge configurations. Aqueous Technologies will continue adapting our equipment to address trends in modern manufacturing best practices and in that effort our team will remain open to new learning opportunities.

Our team will continue to travel the world participating and leading educational seminars which support our industry partners in the development of safe and dependable products. If our equipment is determined to be the best fit for an application requirement, we will strive to help based on our knowledge and experiences.

Aqueous Technologies deeply values our professional partnerships and is grateful for the confidence that is given to us from our customers, sales representative organizations and distribution partners. We will remain diligent in our efforts to provide win-win partnerships and endeavor to express our corporate virtues to our sales force around the world.

Our company has grown over the past twenty years. That growth has been cultivated through interactions with our customers, advisors, employees, and colleagues. We welcome any ideas and feedback and are grateful for the opportunity to make a difference within this industry.



**EMEA**  
Innovation  
Awards



Over Forty Prestigious Industry Awards



## ULTRASONIC STENCIL CLEANING SYSTEMS

Ultrasonic technology utilizes precisely controlled sound waves to remove non-reflowed solder paste and uncured adhesives from stencils, screens and misprints. Ultrasonic energy is gentle enough not to damage delicate parts and is highly effective in the removal of dried pastes on fine-pitch stencils.

### FEATURES

Aqueous Technologies' semi-automatic ultrasonic stencil cleaning systems are all designed to accommodate stencils, screens or misprinted assemblies up to 29" x 29" (736mm x 736mm). All models are equipped with stainless steel wash and rinse tanks, a stainless steel deck, programmable wash cycle timers, wash and rinse solution filtration systems, powered drain/filtration pumps and rinse and dry wands. These systems utilize multiple side-mounted 40 kHz transducers, which target effective cleaning power onto the stencil/misprint. Transducers include a ten year limited warranty against debonding. There are three models of StencilWashers to choose from:

#### STENCILWASHER LDO

Removing all non-reflowed solder-pastes (including lead-free) and uncured adhesives and is equipped with a wash-solution filtration and recirculation system. Rinse water is filtered and discharged to drain.

#### STENCILWASHER ECO

Remove all solder paste types (including lead-free) and provides wash, rinse and dry functions. StencilWasher ECO is equipped with a wash cycle timer, hand-held rinse wand and airknife.

#### STENCILWASHER ZDO

Removing all non-reflowed solder-pastes (including lead-free) and uncured adhesives and is equipped with a wash-solution filtration and rinse recirculation system. Rinse water is filtered, re-deionized and reused via the built-in closed-loop rinse water recycler.



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