

Series 5000 Stencil Cleaners



The Model 5000 is our most popular automatic stencil cleaner. Winner of the 1998 SMT Vision Award for Best New Cleaning Product, the Model 5000 is designed for fully automated cleaning of solder paste from screens, stencils, misprinted PCBs and tooling. By adding the optional wash tank "Heater Control Package", the Model 5000 can also clean flux residue buildup from pallets, oven radiators and conveyor fingers, etc. Wet SMD adhesives are best cleaned in one of the Smart Sonic Semi Automatic Stencil Cleaners.

The Model 5000 can also be equipped with an optional automatic low temperature dry cycle for applications requiring dry product every cycle. However, the fastest, safest and most economical method of drying a stencil is with the optional Hand Held Dry Air Gun. This simple device can quickly dry a stencil in approximately 2 minutes on an as needed basis, eliminating the waste of energy required to automatically dry each stencil every cycle. Wash & rinse in 1-2 minutes and dry with hand held dry air in 2 minutes for a total cycle time of 3 - 4 minutes. No other stencil cleaning system can wash, rinse and dry a stencil faster than Smart Sonic.

Standard Operation

The standard Model 5000 is equipped with everything you need to safely clean any type of solder paste from any fine-pitch stencil. The operator simply loads the stencil onto the easy loading carrier basket and presses one button. The stencil is automatically carried through the preprogrammed cleaning cycle. First, the stencil indexes back and over the ultrasonic wash tank. The stencil is then lowered and ultrasonically washed for the programmed time (usually one minute). The stencil is then removed from the wash tank and transferred forward to the rinse chamber. Low pressure sprays quickly rinse the stencil (5 seconds is all that is required). The stencil is then presented back to the home position for drying and unloading. An optional low temperature drying cycle is available for fully automatic drying requirements. Misprinted PCBs, squeegees, and other tooling are cleaned in the same carrier basket.

The "Closed-loop" OA Option - allows you to clean water washable solder pastes and water washable flux residues without generating any liquid hazardous waste.* The wash and rinse water is recirculated through a filter system for reuse. There is no need for additional wastewater treatment. This option can also be easily retrofitted in the field to use 440-R SMT Detergent for possible future cleaning of RMA or no-clean flux types - offering complete piece of mind that your Smart Sonic stencil cleaner will be able to "clean any type of solder paste from any fine-pitch stencil."

- Adds DI filter recirculator system to standard Model 5000
- Designed for cleaning water washable solder paste* and flux residue from stencils, misprinted PCBs and tooling

* Some water washable solder pastes contain detergent and cannot be "close-looped." Additional waste treatment may be required. Consult factory for details.

The Recycled Rinse Option - reduces water consumption by 47 gallons between each maintenance cycle by collecting the rinse water in a separate reservoir tank and saving it for reuse to fill the wash tank and/or as makeup water to compensate for evaporation and drag out. Because the water consumption is cut by approximately one half, wastewater treatment is also cut by approximately one half, reducing maintenance times and energy consumption.

- Adds reservoir tank and water transfer system to standard Model 5000 to store rinse water for reuse in wash tank.
- Designed to conserve water and reduce wastewater treatment
- Cleans all types of solder paste and flux residues

SPECIFICATIONS:

Overall Dimensions	Model 5000 50" x 62.5" x 49"H (Lid Closed)
Wash Tank Dimensions	9" x 44.5" x 37.5"H
Wash tank capacity	57 gallons (216 liters)
Maximum frame size	36" x 41" (36" x 36" contact factory)
Utilities Required	
Ambient wash tank	208-240 V, 1 Ph, 6 Amps.
Heated wash tank	208 - 240 V, 3 Ph, 21 Amps.
Low Temp. Dryer Option	Adds 25 Amps, 3 Ph
Water	40 PSI (Soft or DI Water)
Air (clean/dry)	80 psi (100 psi if equipped with auto dry cycle)
Average Wash/Rinse Cycle	1-2 minutes
Average Automatic Drying Cycle	5-6 minutes

Specifications are subject to change without notice.



*Best New
Cleaning Product*