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stencilwasher

semi-automatic stencil & misprint cleaner

features and specifications guide

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CALIFORNIA

Aqueous Technologies is an advanced cleaning and technology company specializing in the manufacturing of cleaning and testing systems for the electronics assembly industry. Our fabrication, manufacturing and support is based in California. Inspired by water, our cleaning and cleanliness testing systems are sophisticated and brilliantly simple.

FABRICATION

Our equipment is manufactured in the United States of America. Fabrication materials, devices and vendors are all hand selected with quality and reliability in mind. We take pride in our work. Building these systems from the ground up allows for customizable products that will last.

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COMMITMENT

At Aqueous Technologies, we are enthusiastic about doing our part to help make this world a better place. We are committed to finding new ways of conserving water and reducing our environmental impact through our equipment designs.

ABOUT STENCILWASHER

Stencilwasher utilizes multiple side mounted 40kHz transducers to target precisely controlled sound waves through wash solution for a safe and effective means of removing non-reflowed solder pastes and uncured adhesives from stencils, screens and misprints. Available in three models, these systems can be configured to match specific application and discharge requirements.

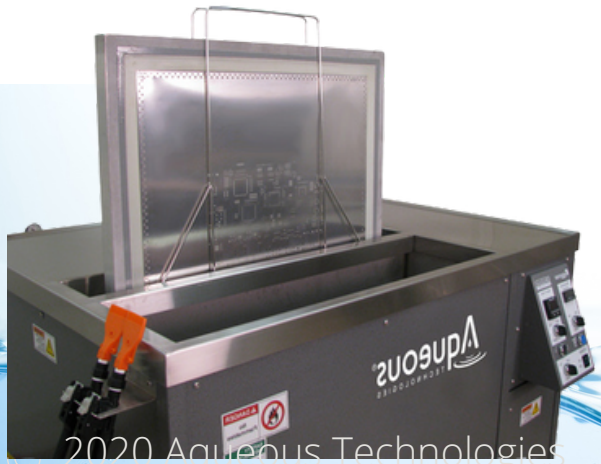
FEATURES

- digital cycle timers
- adjustable temperature controls
- hand held rinse and compressed air wands
- hand made stencil baskets
- closed loop wash filtration system
- closed loop rinse filtration system (ZDO)
- heavy-duty rolled stainless steel frame and panel construction
- segregated wash and rinse tanks for minimal chemical consumption
- stainless steel wash solution tank for chemical compatability

SMTA

IPC

Association Connecting Electronics Industries®



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SPECIFICATIONS

WEIGHTS AND DIMENSIONS

53"x45"x32 1/2" 612lbs LDO/ZDO
44"x27"x32 1/2" 333lbs ECO

STANDARDS COMPLIANCE

IPC 7526

POWER REQUIREMENTS

208 - 230 VAC 50 amps
110-120 VAC 10 amps ECO

WASH TANK CAPACITY

35 gallons (132 liters) LDO/ZDO
20 gallons (76 liters) ECO

CYCLE CONTROLS

digital LDO/ZDO
analog ECO

TEMPERTURE RANGE

+120 LDO/ZDO
non heated ECO

MAX STENCIL SIZE

29"x29" (74cmx74cm) LDO/ZDO
24"x29" (61cmx74cm) full immersion ECO

ULTRASONICS

1000 watt generator LDO/ZDO
500 watt generator ECO

DISCHARGE

zero discharge wash and rinse ZDO
closed loop wash / filtered rinse discharge LDO
closed loop wash / filtered rinse discharge ECO

CONSTRUCTION MATERIALS

hrs - hot rolled steel frame
silver hammer tone powder coat finish
304 gauge stainless steel seemless plumbing
polypropelyne connections

INCLDUED ACCESSORIES

paste trap
stencil basket
rinse control foot switch

CONSUMABLES

20 micron filters
DI media tanks (ZDO)

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MODEL SELECTION

SW ECO

ALL FLUX TYPES
ALL ALLOYS

LOW DISCHARGE
CLOSED LOOP WASH
FILTERED
DISCHARGE RINSE

ANALOG CONTROL
TIMERS

20 GALLON (75 LITER)
WASH TANK CAPACITY

29” X 29” (74 CM X 74 CM)
24" (60CM) IMMERSION

HAND HELD RINSE
AND AIR KNIFES

500 WATT
ULTRASONIC
TRANSDUCERS

SW LDO

ALL FLUX TYPES
ALL ALLOYS
ADHESIVES

LOW DISCHARGE
CLOSED LOOP WASH
FILTERED
DISCHARGE RINSE

DIGITAL CONTROL
TIMERS

35 GALLON (132 LITER)
WASH TANK CAPACITY

29” X 29” (74 CM X 74 CM)
FULL IMMERSION

HAND HELD RINSE
AND AIR KNIFES

1000 WATT
ULTRASONIC
TRANSDUCERS

SW ZDO

ALL FLUX TYPES
ALL ALLOYS
ADHESIVES

ZERO DISCHARGE
CLOSED LOOP WASH
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TIMERS

35 GALLON (132 LITER)
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29” X 29” (74 CM X 74 CM)
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SERVICE AND SUPPORT

AQUEOUSTECH.COM

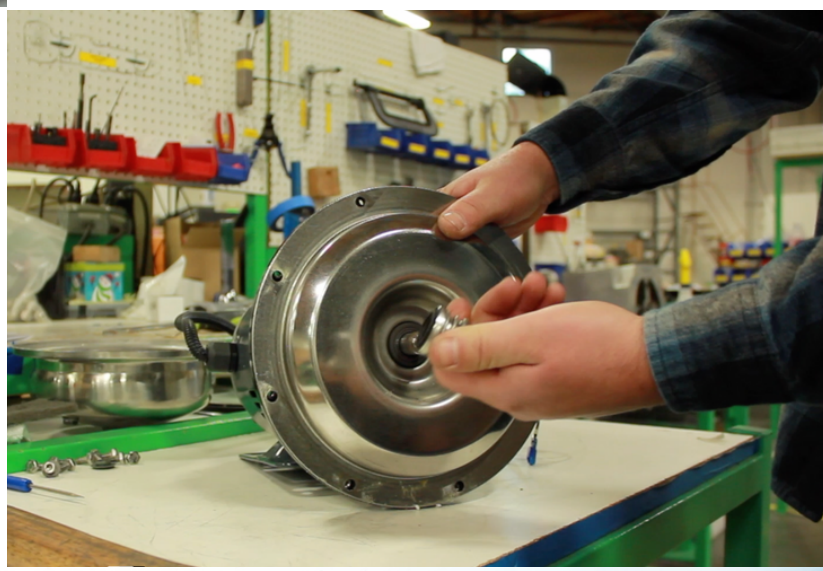
Our website is filled with service support articles, videos, white papers and other information on industry best practices and cleaning profiles. As well as, links to our webinars, in person training seminars and the *Reliability Matters* podcast.

PHONE & EMAIL

With more than 30 years of cleaning and cleanliness testing experience at Aqueous Technologies, our support team is trained to trace symptoms to cause and share solutions in a direct and friendly manner.

VIDEO LIBRARY

A wide variety of service support videos are available on the topics of installation, maintenance and even larger service procedures. Our video library assists Trident engineers and maintenance technicians with performing services as effortlessly as possible.



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