



**Fully-Automatic
Ultrasonic Stencil Cleaner
SC-AH100F-LV
Low-VOC Model**



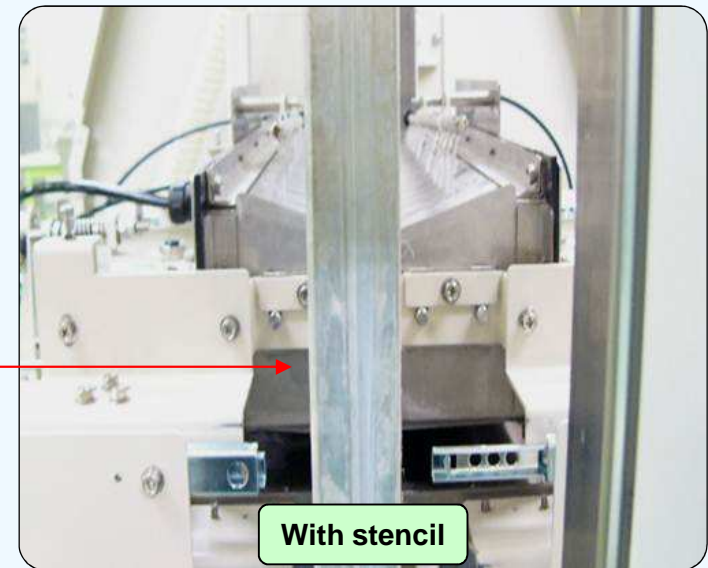
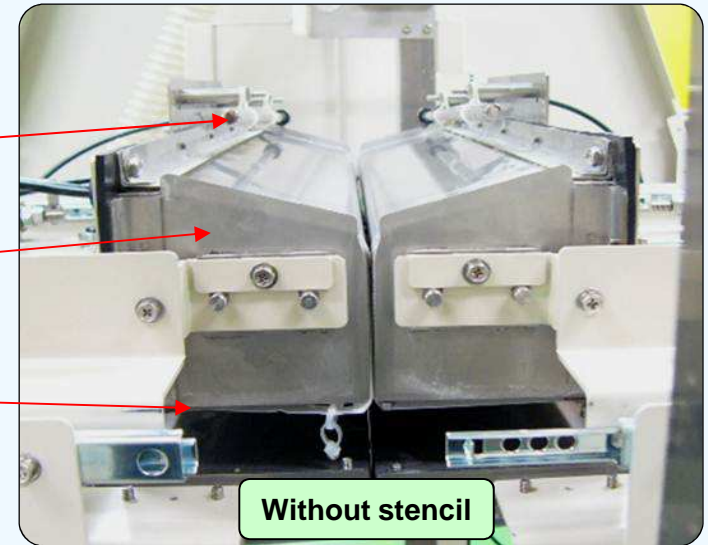
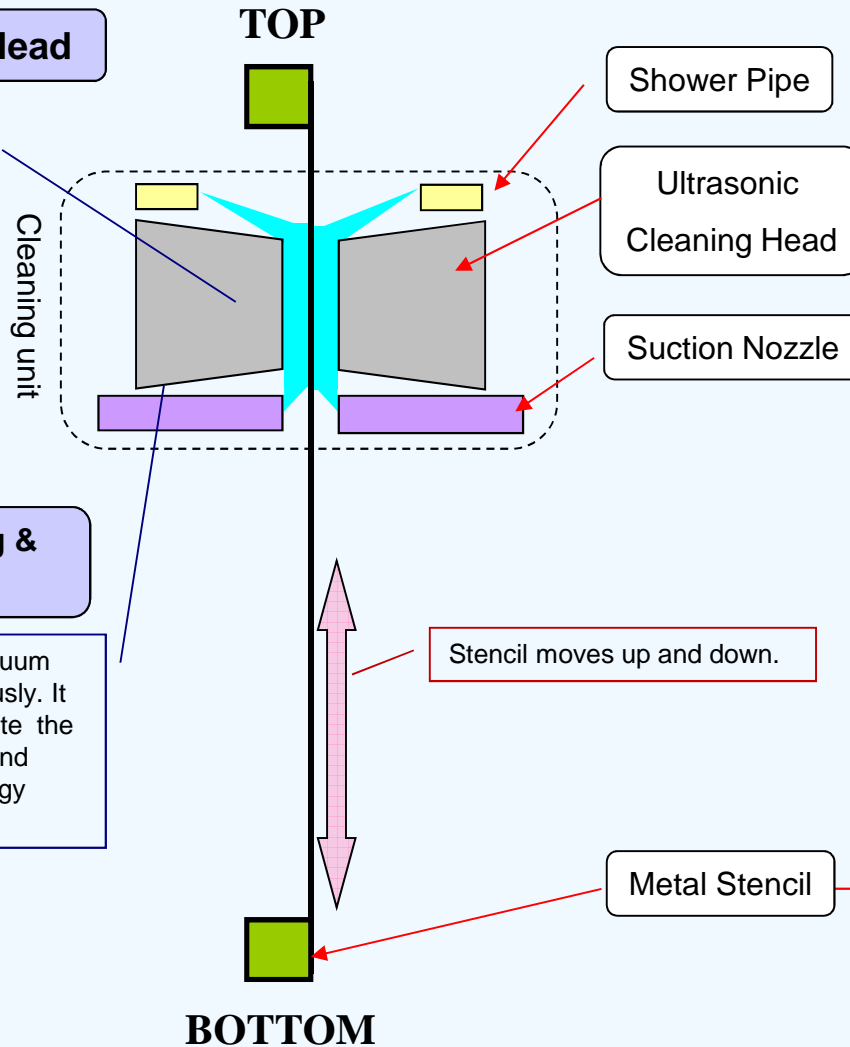
Optimal Cleaning Performance

Ultrasonic Cleaning Head

Two ultrasonic cleaning head panels clean both the front and back sides of the metal stencil simultaneously. Ultrasonic energy is applied directly to the stencil providing superior cleaning capability.

Simultaneous Cleaning & Drying Operation

The ultrasonic cleaning and vacuum drying system work simultaneously. It takes 5 to 10 minutes to complete the combined process of cleaning and drying resulting in reduced energy consumption.



Advantages of Sawa EcoBrid (1)

Low-Running Costs

With the Sawa EcoBrid, the cleaning agent is applied to the stencil area only, vacuum-dried, and then recycled (including filtering). Therefore, only a small amount of agent is used for cleaning. Other types of systems (dipping and spray types) require large amounts of solvent or chemical and require a frequent change out of solvent.

No Deterioration of Stencil

The adhesive area of the stencil is not affected by usage of cleaning agent with Sawa EcoBrid. Delamination will not occur no matter how often the stencil is cleaned. Stencil repair cost is drastically reduced.

Fast Tact Time

The ultrasonic cleaning and vacuum drying system work simultaneously to complete within five to ten minutes.



Sawa EcoBrid
SC-AH100F-LV

Advantages of Sawa EcoBrid (2)

Powerful Cleaning Capability

Two ultrasonic cleaning head panels clean both the front and back sides of the metal stencil simultaneously. Ultrasonic energy is applied directly to the stencil providing superior cleaning capability.

Ease of Operation

Just press the start button and the process of cleaning and drying will be completed. No operator handling is required.

Low-VOC Cleaning Agent

Low-VOC cleaning agent, VIGON SC200 can be used for Sawa EcoBrid SC-AH100F-LV. There is no flash point, low evaporation and almost no odor. A good working environment can be maintained.

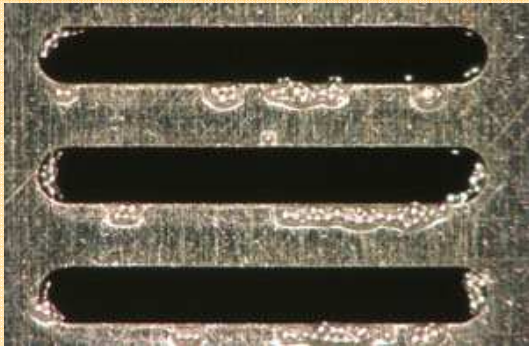
Reduction of CO2 Emission

Sawa EcoBrid SC-AH100F-LV reduces energy consumption due to the shortened tact time and accordingly reduces CO2 emissions.

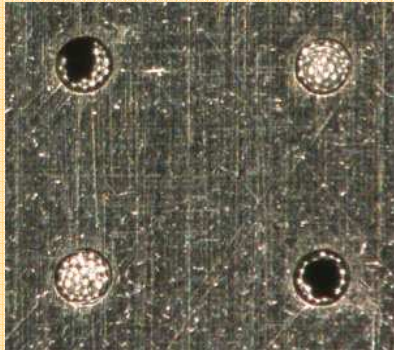
Cleaning Evaluation

Before Cleaning

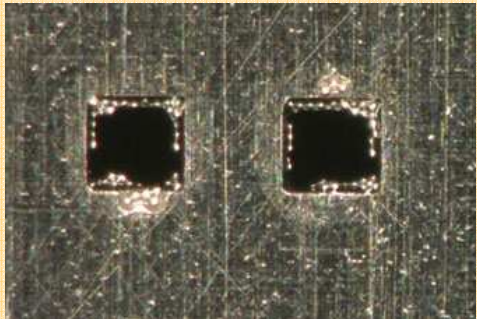
QFP 0.4mm



Flip chip bump $\phi 0.2\text{mm}$

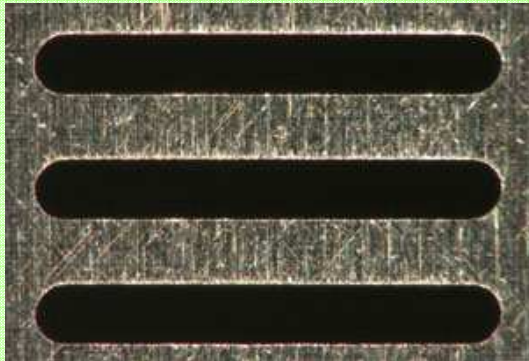


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After Cleaning

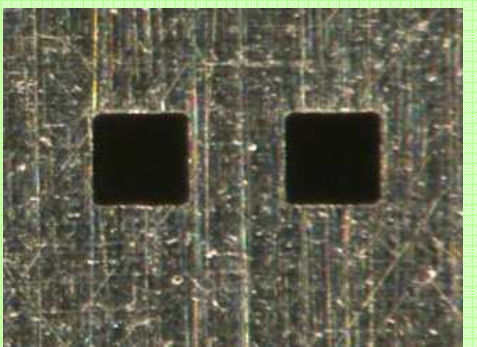
QFP 0.4mm



Flip chip bump $\phi 0.2\text{mm}$



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Other Key Features

- ★ Compact Machine Footprint
- ★ Ergonomic Stencil Insertion

* Signal tower is an optional item.

Maintenance

Easy Replacement of Filter



Adaptor for 550 x 650 mm (21.65 x 25.59 in) stencil



Adaptor



Output Terminal

Squeegee/spatula cleaner can be connected as an option.

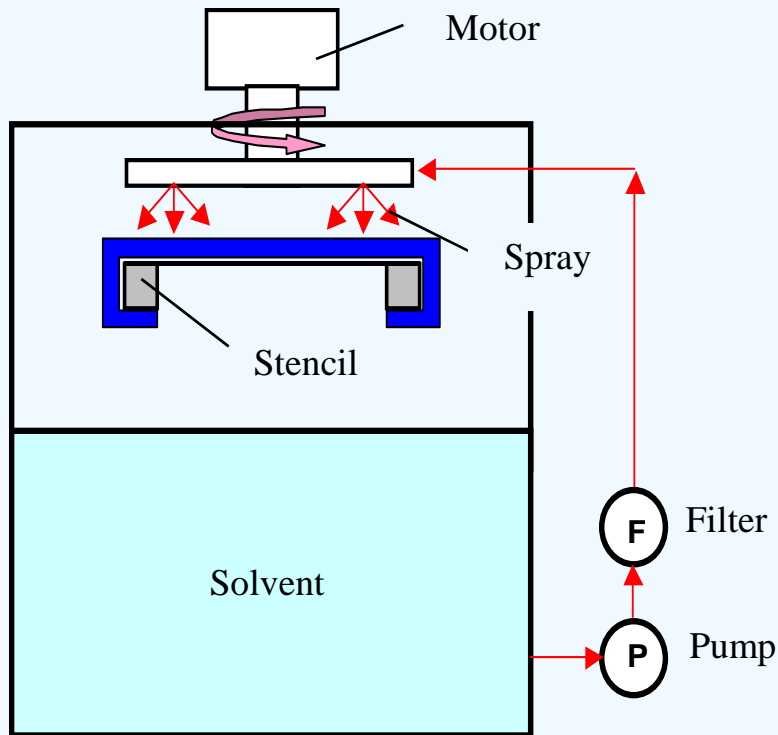
Squeegee Cleaner
SC-145A



Comparison (1)

Disadvantage of Spray-Type Cleaner

Spray-Type

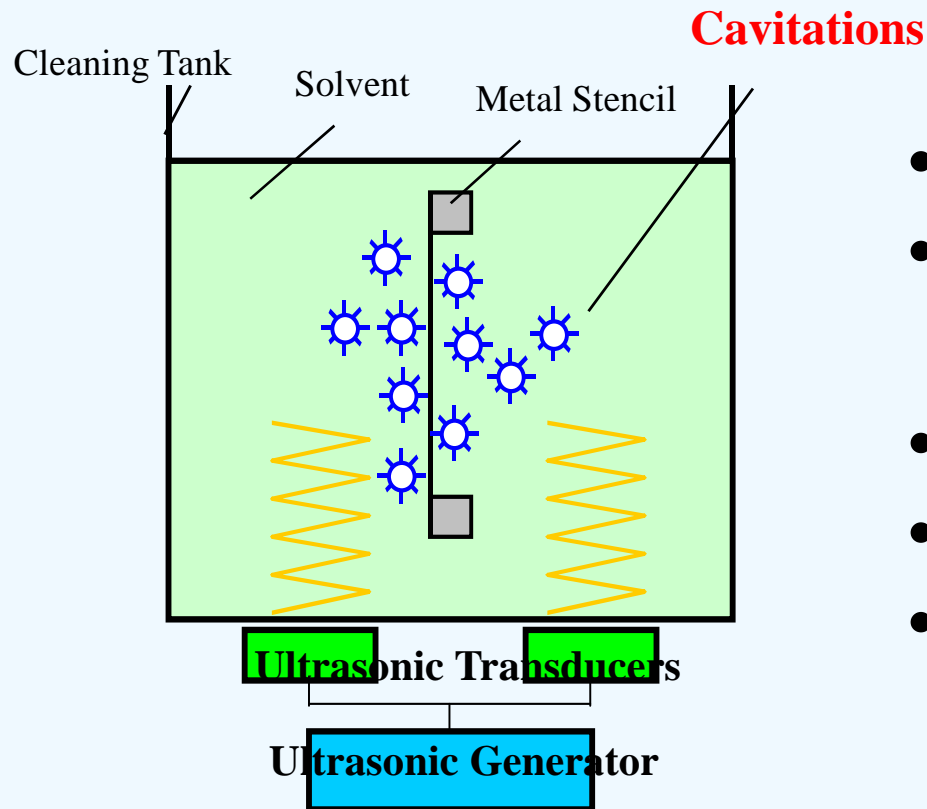


- Inconsistent cleaning performance
- High-usage of solvent
- Long operation time
- Because this system depends on high-pressure spray, solvent used should be highly-soluble.
- Damage may occur to the stencil because solvent is applied to the entire stencil and the surrounding adhesive can be removed.

Comparison (2)

Disadvantage of Tank-Type Cleaner

Tank-Type



Cavitation?

Cavitation is the formation of empty cavities in solvent caused by disuniform ultrasonic waves. Shock waves that occur by cavitation bubbles impinging against an object can damage to the adhesives of the stencil.

- Insufficient cleaning performance
- High usage of solvent
Frequent solvent change-out is required to maintain good cleaning capability.
- Long operation time
- Usually, no drying system included.
- The stencil may deteriorate due to cavitations and require frequent repair.