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# MT-2800

## Aqueous Stencil Cleaning Machine

# CATALOG

To serve global electronics based on innovation

To build the China first brand of KDW SMT accessories



**Solder Paste / Red Glue Stencil / Copper Mask /  
Resin Mask Auto Cleaning Machine**

**MT-2800**  
**AQUEOUS STENCIL  
CLEANING MACHINE**

*"Best alternative solutions for  
all of your SMT needs".*

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## MT-2800

### AQUEOUS STENCIL CLEANING MACHINE

## INNER PARTS PICTURES



**Filter**



**Air Blower**



**Distribution Box**



**Cleaner Tank**

## STENCIL CLEANING MACHINE APPLICATION FIELDS

Removes any remaining solder paste, glue and flux on SMT Stencil , Copper Mask, Resin Mask, Misprint PCB and PCBA.

SME-2800 is the 3rd generation stencil cleaning machine which is designed for the process of “aqueous based cleaner to clean stencil”.

Various steps such as cleaning, rinsing and hot air dry are completed automatically after pushing” start” key on the operation panel.(The unique double 4 spray poles and double 4 air knives device makes clean, rinse and dry perfectly. Real-time cleaner and water filter system to guarantee the cleanliness of stencil.



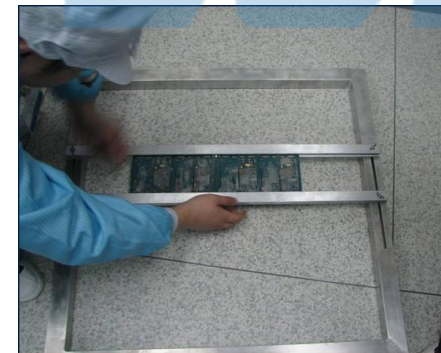
SMT stencil

Use water for rinsing & drying



SMT copper mask

Use water for rinsing & drying

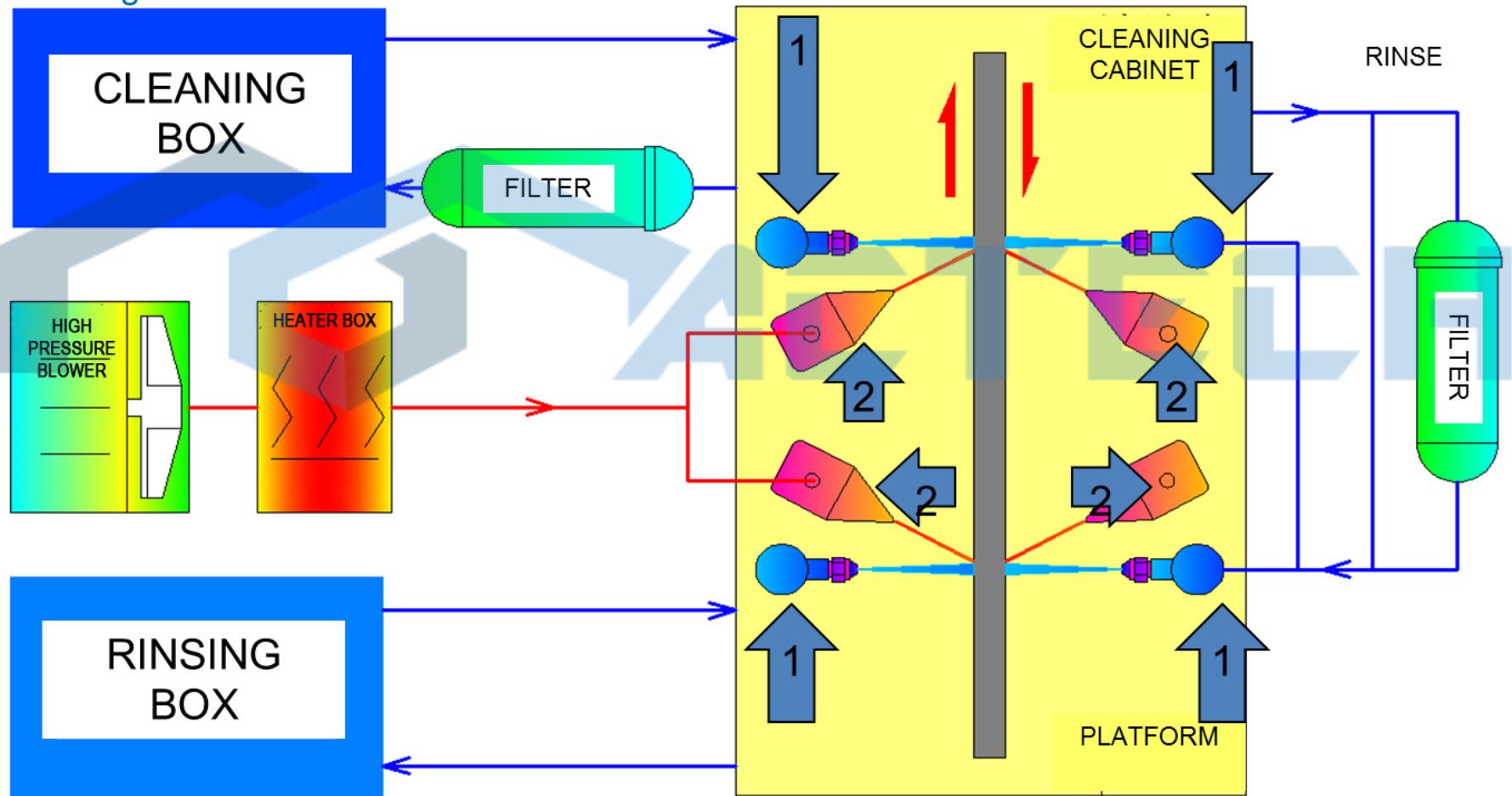


Misprint PCB/PCBA

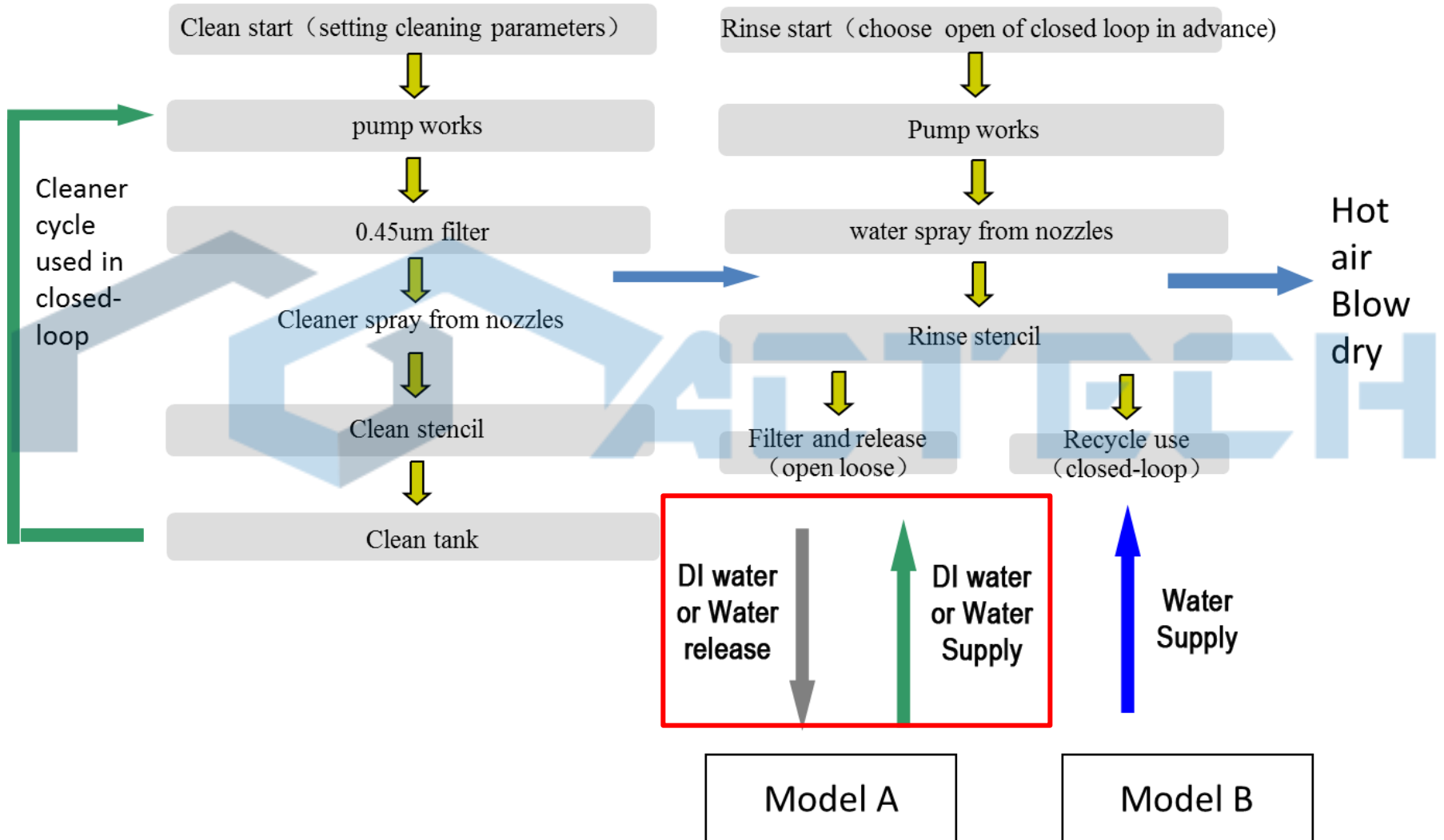
Use DI water for rinsing & drying

# STENCIL CLEANING SYSTEM SCHEMATIC DRAWING

The unique design of 4 clean and rinse poles (Figure 1, each clean pole has 20 spray nozzles) and 4 air knives dry device significantly improve cleaning and rinsing efficiency. Real-time filter system to guarantee cleanliness.



## STENCIL CLEANING SYSTEM CLEAN FLOW CHART



## STENCIL CLEANING SYSTEM FEATURES

### 1. Quick & super powerful clean result:

Quick and efficient to clean remaining solder paste ,red glue and flux on SMT stencil ,cooper mask, resin mask, misprint PCB and PCBA.

### 2. Standard aqueous-based cleaner clean mode:

Cleaning , rinsing and hot air dry are completed in a cleaning chamber. a compact machine.

### 3. Full process visible:

State of the process is visible through a large observation window;

### 4. Wide application:

SMT stencil ,cooper mask, resin mask, misprint PCB and big size PCBA

### 5. Real-time DI water resistivity monitoring system:

Real-time measure DI water resistivity and monitoring cleaning effect. Resistivity range 0~18MΩ;

### 6. Nozzle spray pressure adjustable and symmetrical arrangement design

Solved the tension problem which works on stencil during high pressure cleaning process;

### 7. Standard Cleaning tank heat system:

Heat the aqueous-based cleaner to emulsified it and makes it exhibited higher activity to significantly improve cleaning efficiency and reduce the cleaning time compare with the cleaner in normal temperature.



## STENCIL CLEANING SYSTEM FEATURES

### 8. Low-cost clean:

The cleaner recycle and purified through our built-in filter system. The remaining cleaner in the pump and pipes are blown off by compressed air and flow back to cleaning tank. This function save cleaner up to 50%.

### 9. Can used as PCBA cleaning machine to clean PCBA up to 800mmx800mm

### 10. High pressure blower+ 4 air knives hot air dry system:

5.5HP High pressure blower great improved dry efficiency (3~5Min).

### 11. Chinese Touch Panel operational interface:

Color TP, PLC procedure operation system, cleaner temperature, clean time , rinse time and rinse times , clean temperature, hot air dry time and temperature, resistivity can be set and monitored as required.

## STENCIL CLEANING SYSTEM SPECIFICATIONS

Stencil size:	750(L) × 750(W) × 40(T)mm as max
Cleaning Tank Capacity:	50L* 2PCS
Clean Method:	Cleaner spray to stencil from 4 poles while stencil moves back and forth driving by motor.
Rinse Method	Open-loop water spray or closed-loop water spray
Dry Method:	4 air knives air blow dry
Clean Time:	2~5Min
Clean Isolation Time:	1Min
Rinse Time:	2~5Min
Dry Time:	3~5Min
Resistivity Tester Range:	0~18MΩ
Cleaner/Water Heat Temperature:	Normal temp~60°C
Cleaner Heater Power :	9KW
Rinse Water Heat Power:	9KW
Noise:	Less than 65db
Dry Temperature:	Normal temp~90°C
Dry Heater Power:	9KW

## STENCIL CLEANING SYSTEM FEATURES

17.Total Power:	33KW , normal working power is only 3~6KW
18.Cleaner Filter Fineness:	0.45μm
19.(DI )Water Filter Fineness:	0.45μm
20.(DI) Water Supply:	30~60L/min
21.(DI)water pressure:	≤0.4mpa
22.Pump:	4HP SUS Multi-stage centrifugal pump
23.Air Vent Size:	Φ123mm
24.Power/Air Supply:	AC380V 50HZ 90A / 0.5Mpa-----0.7Mpa
25.Machine Weight:	500Kg
26.Machine Outline:	1500mm(L) × 1260mm(W) × 1900mm(H)

### Remarks:

For Stencil cleaning – use water base detergent for washing, and water for rinsing and drying.  
For PCBA cleaning – use water base detergent for washing, and DI water for rinsing and drying.