

# SCM5600D PCBA Cleaning Machine

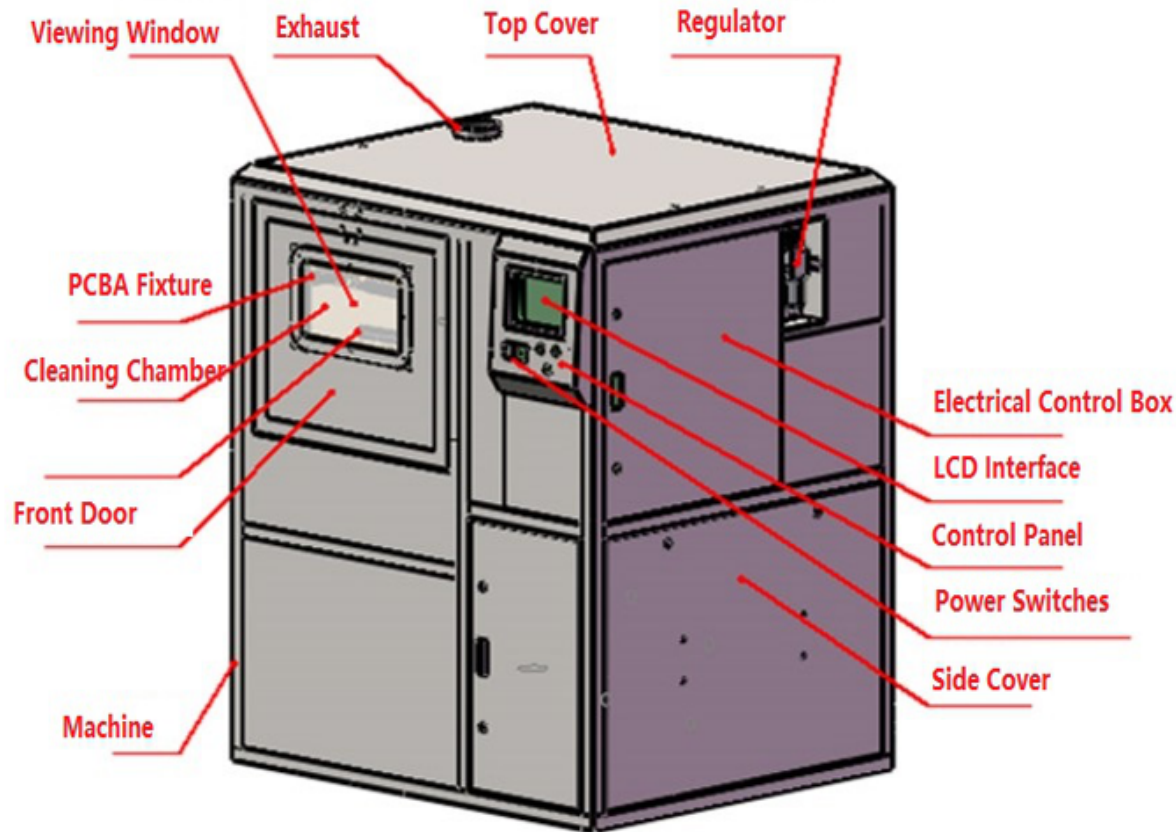


SCM5600D PCBA cleaning machine is an energy-saving environmental protection, batch cleaning, integrated high-end cleaning machine. It can automatically complete cleaning, rinsing, drying process by just push the start key.

Mainly used for aviation, aerospace, medical, new energy, automotive electronics and other products . This machine can effectively clean residual rosin flux, water-soluble flux , No-clean flux / solder paste ball and other organic and inorganic pollution materials on SMT / THT PCBA.

## Application area



**SCM5600D description****Introduction :**

PCBA Cleaner targets Small Medium quantity PCBA offline cleaning.

Machine Size 1400mm \* 1350mm \* 1830mm. Electrical Powered, equipped with High pressure Pump, Blower and Heater.

Provides Cleaning, Rinsing and Drying functions. 2 Chemical tanks with Heater functions and Filter system for recycling Chemicals.

Built with SUS 304 Stainless steel Functions, strong and rigid structure, PLC touch screen interface control with easy buttons operation.

No complex parameters and functions. All settings can be adjusted to products characteristic and requirement.



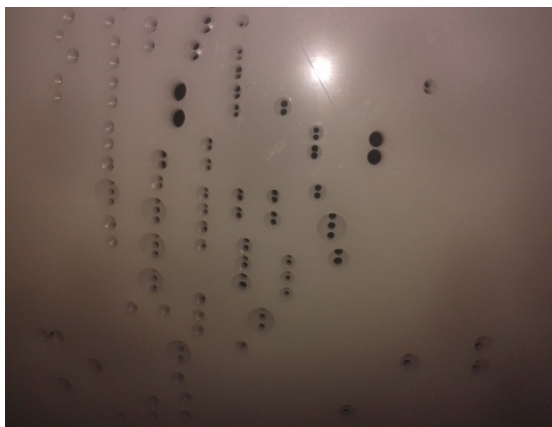
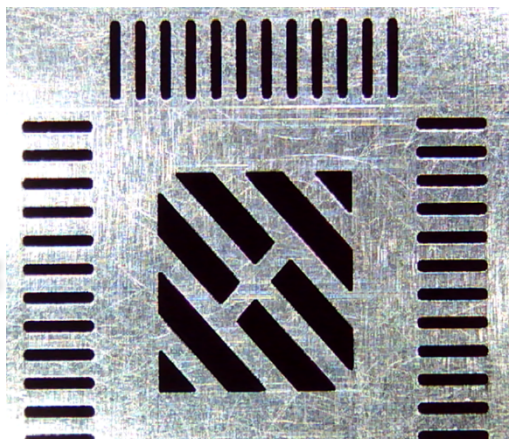
**SCM5600D Sample**

One key operation; wash+rinse process are completed automatically.  
Large filter cartridge, sealed rotatory mechanism, powerful cleaning result;  
Double side stencil clean, stencil tension not affected.

Before  
cleaning



After  
cleaning



**SCM5600D details**



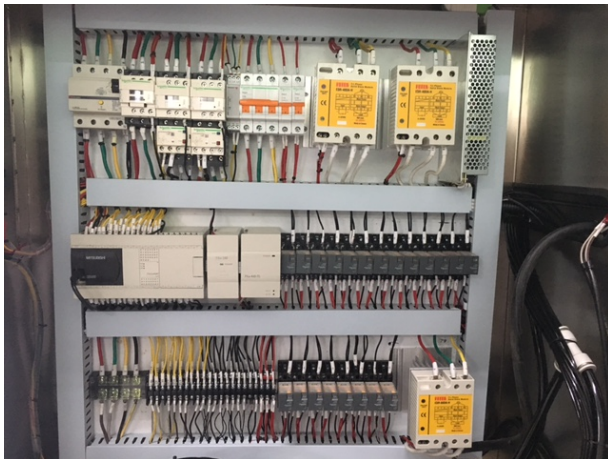
Big cleaning room



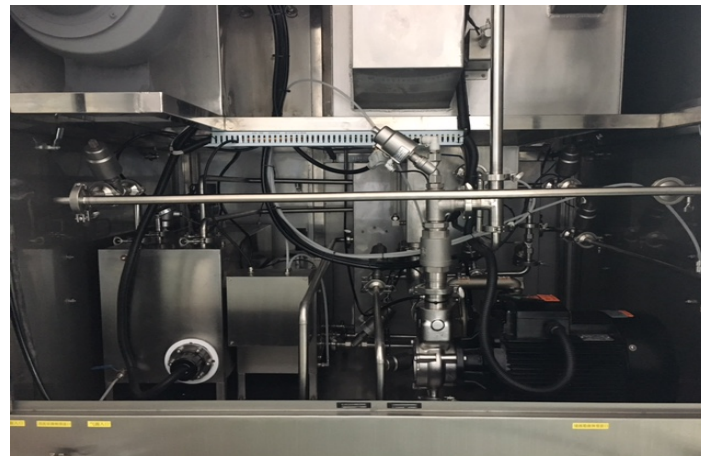
Dual layers leaning basket



Visible window



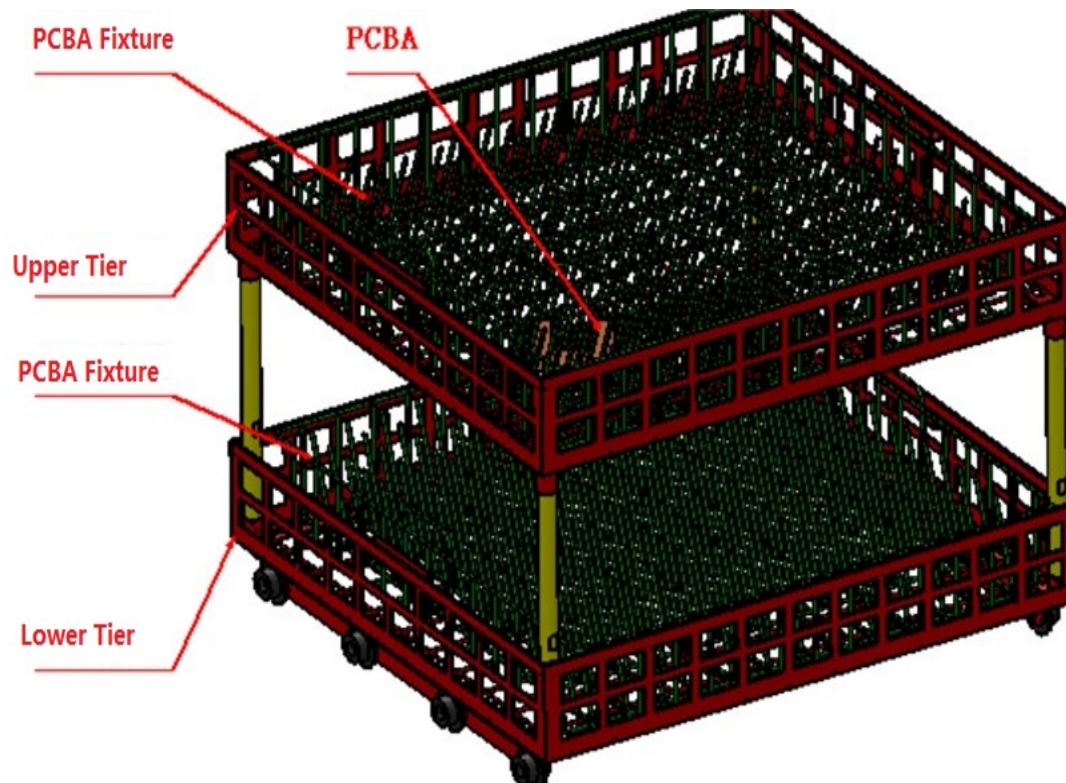
Control box



Inside pipes

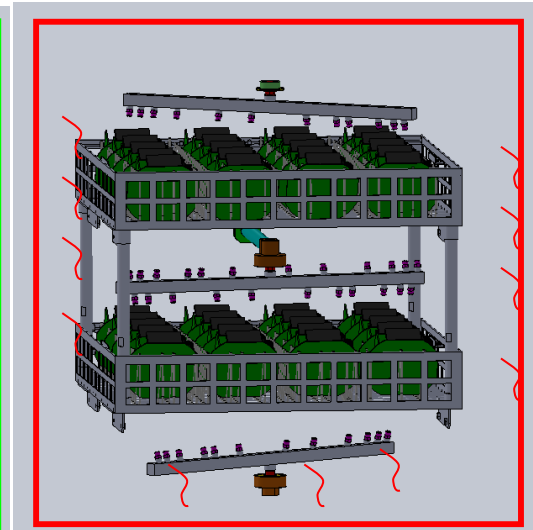
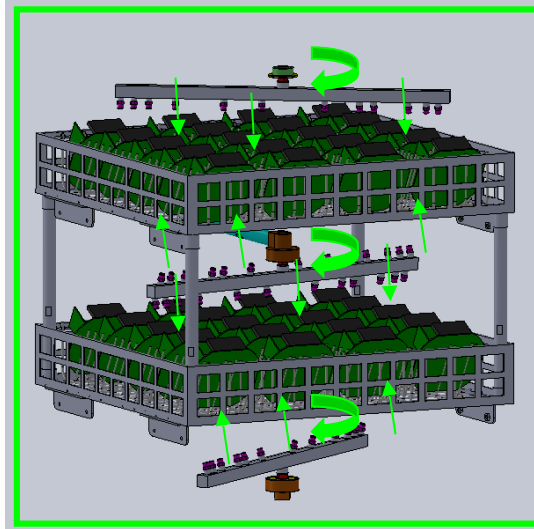
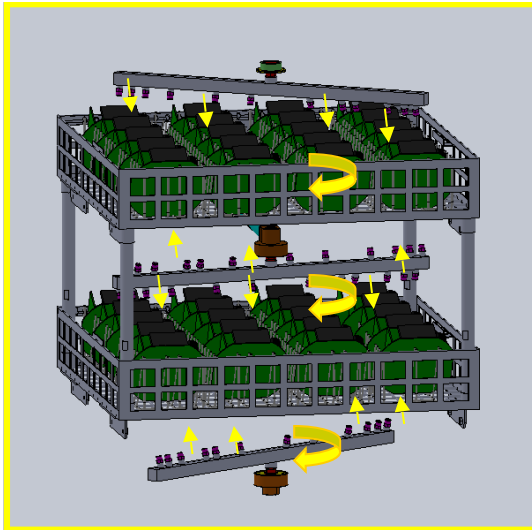


## Basket details



SUS 304 Stainless Steel structure including Fixtures  
PCBA Fixture Overall Dimension 610mm\*560mm\*480mm.  
Biggest PCBA dimension 560mm\*550mm\*130mm  
Smallest PCBA 80mm\*50mm, up to 200pcs

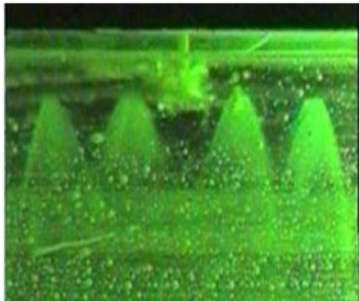
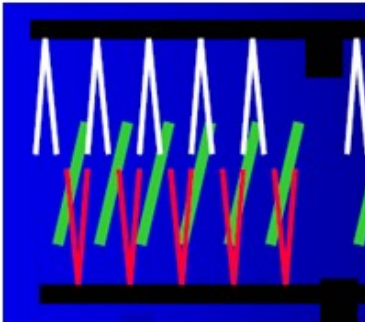
## (1) Cleaning Process



Chemical detergent clean ---- DI water Rinse ---- Hot air Drying

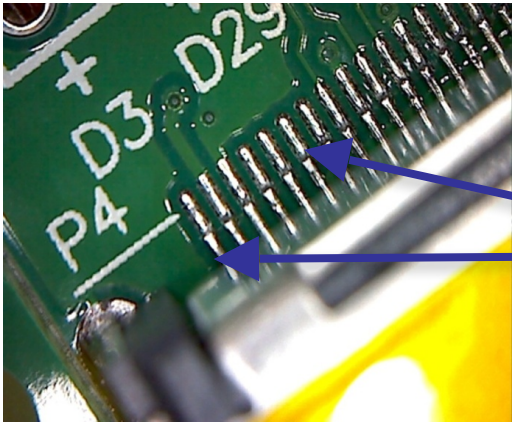
Upper/middle/lower 3 360° rotation spray rods, 2 layers cleaning basket

(2) Cleaning Method

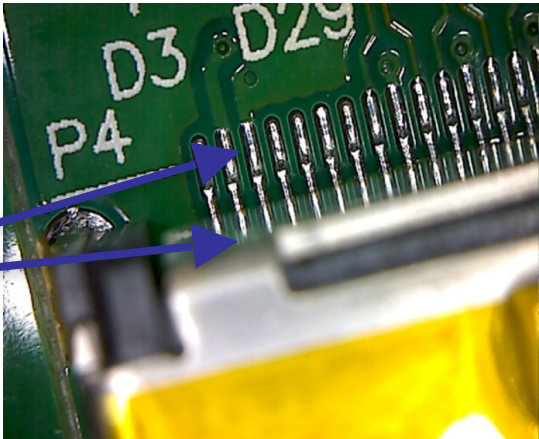


(3) Cleaning Results

Before

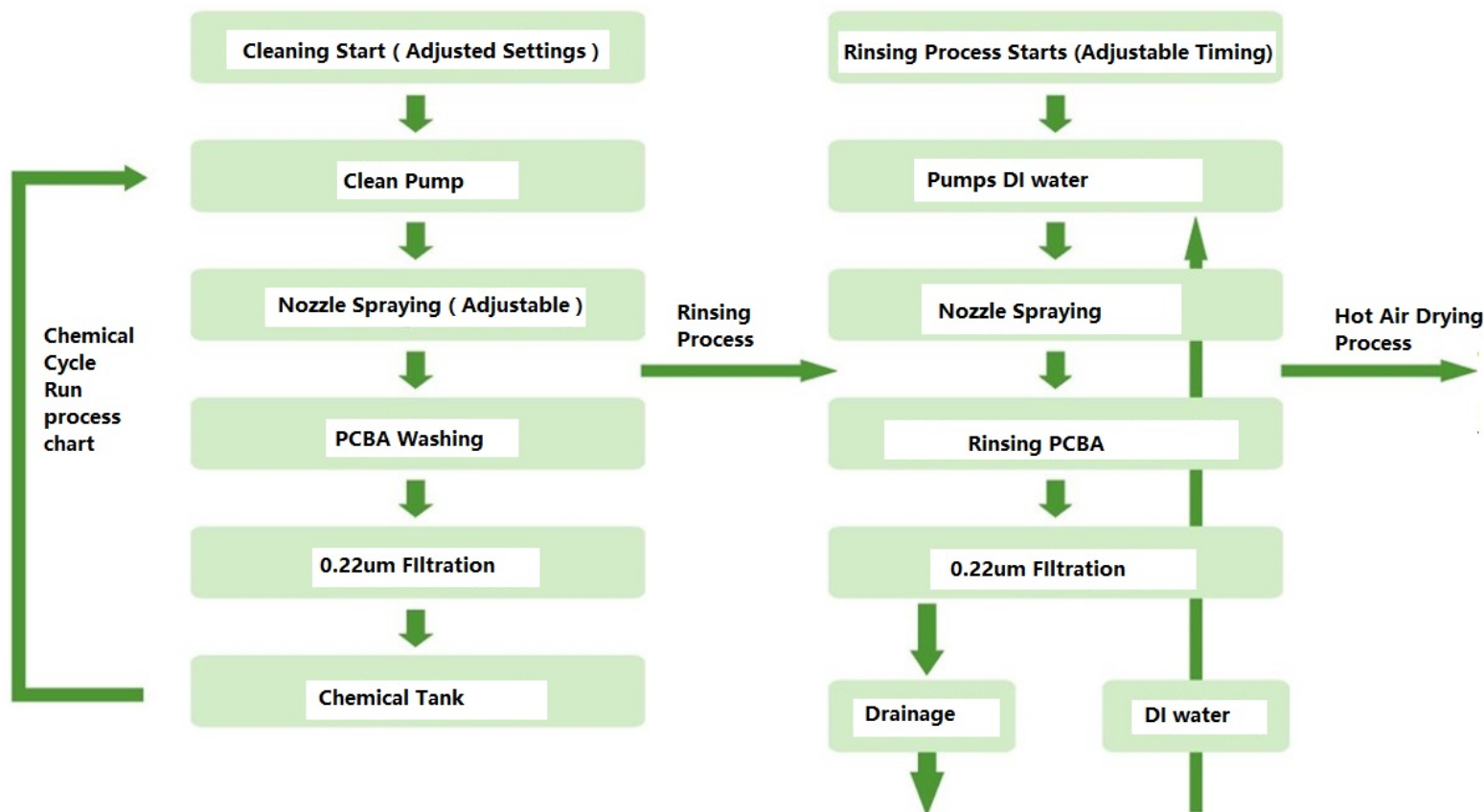


Flux Residue



After

## SCM5600D Flow chart



In general, the cleaning process parameters are: cleaning time (10-20) min, rinse time (1-2) min, rinse times (3-5) times, drying time (20-30) min, cleaning temperature (40 -60) °C, rinse temperature (room temperature), drying temperature (70-95) °C, so the general completion of a cleaning process time (40-60) min, under special circumstances according to the actual situation



**SCM5600D Specification**

Item	Spec
Cleaning basket size:	610mm(L)*560mm(W)*100mm(H)x 2 layers
Concentration liquid tank capacity	30L
Dilution tank capacity	60L
Spray tank capacity	18L
Temporary tank heater	6KW
Cleaning time	0~99min(adjustable)
liquid temp	Room temp -75 degrees / (adjustable)
Rinse time	1-99 times / 1~2min each time
Rinse water temp	Room temp -75 degrees / (adjustable)
Drying time	0 to 99 minutes / (adjustable)
Resistivity meter monitoring range	0~18MΩ
liquid tank heater	9KW

**SCM5600D Specification**

Item	Spec
Drying Temperature:	Room Temp--99℃ / (Adjustable)
Drying Heater/KW:	6KW
Spray Pressure:	30PSI - 80PSI/(Adjustable)
Chemical liquid level filter:	0.22μm (filter microparticles: solder paste, rosin, flux and contaminants)
DI water Filter:	0.22μm (filter microparticles: solder paste, rosin, flux and contaminants)
water inlet:	1 inch fast junction interface
Water outlet:	1 inch fast junction interface
Chemical Inlet:	1 inch fast junction interface
Real - time pressure gauge:	3PCS (nozzle / DI water / waste liquid)
pump:	5.5KW
Outlet size:	Φ100W)×30mm(H)
Power source:	AC380V 50HZ 65A/0.45MPa~0.7MPa
Weight:	600Kg
Machine Dimension:	1300mm(L)×1200mm(W)× 1850mm(H)

## Other cleaning Machine



**Mobilephone  
camera module  
cleaning machine**



**IC Tray auto cleaning machine**



**PCB Bare board cleaner**



**Adhesive rolling cleaner**



**Brush+vacuum cleaner**



**PCB surface Cleaner  
Composite type**

## SMT Cleaning Machine



**SCM800**  
Electric stencil  
cleaning machine



**S-1688**  
Pneumatic stencil  
cleaning machine



**SCM5200**  
Wave oven fixture  
cleaning machine



**SCM55600D Offline**  
PCBA cleaning  
machine



**SCM6200 Nozzle**  
cleaning machine



**SCM220 Oline PCBA**  
cleaning machine



**SCM24 Squeegee**  
cleaning machine

Mis-print PCB cleaning machine, Squeegee cleaning machine, reflow over cleaning machine...

## Screen printing cleaning machine—PCB, LCD, TP, film printing



**SCM3100 Screen  
cleaning machine**



**SCM4100 Screen developing  
and stripping machine**



**SCM5100 Squeegee  
cleaning machine**



# Best After-sales service

- **Worldwide Support**
- **Free Installation/ Training**
- **1 day lead-time (spare parts)**
- **1 Month customize solution**



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