

PCB surface Cleaner

■ Type: UC-250M-CV

CONTAMINANTS COMMONLY FOUND ON PCBS:

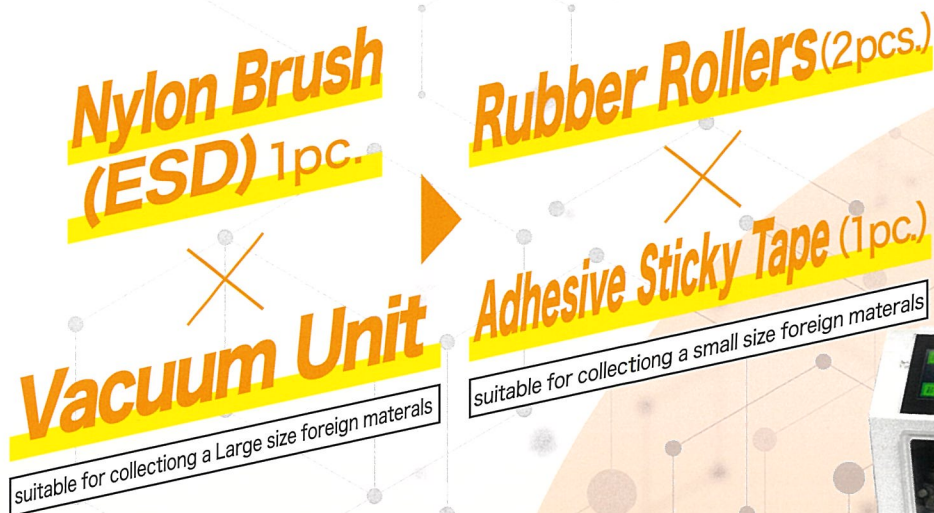
PCB substrates can be exposed to various contaminants during the manufacturing process and in their operational environment.

These contaminants can negatively impact the performance and reliability of the PCB and the electronic components mounted on it.

This machine, specifically developed for SMT lines, is suitable for removing foreign materials from PCB surface. Using a combination of the Brush/Vacuum,

Rubber rollers + Adhesive Sticky Tape and Air knife (Blower) provided the optimal performance.

The use of the PCB surface cleaner will be mandatory on all SMT production lines.



The Importance of a Clean PCB.

Factors that are affected by PCB contaminants:

- Solder Paste Adhesion
- Solder Joint Quality
- Component Alignment
- Electrical Performance
- Consistency & Reliability

Bare PCB Cleaning Methods.

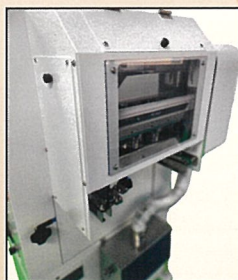
Common non-chemical based PCB cleaning methods:

- Brush & Vacuum : ON or OFF *selectable
- Rubber Rollers : ON or OFF *selectable

*Both OFF: Pass through mode



PCB flow direction: Right to Left.



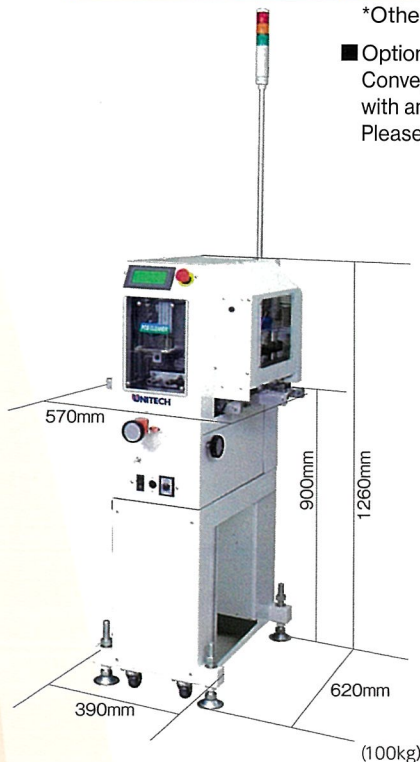
Basic specifications: Model No.: UC-250M-CV

Cleaning area	Top side of PCB *except slit inside
Cleaning method	Hybrid cleaning system by Brush + Vacuum & Sticky Roller
Brush part config.	Rotating nylon brush (ESD) 1 pc. & Vacuum unit with Dust box
Roller part config.	Rubber roller: 2 pcs. for Top $\phi 50 \times 300 \text{mm}$
	Adhesive sticky tape: 1 pc. for Top $300 \times 20 \text{mm}$
Applicable PCB Size	Width: 50.0 - 250.0mm
	Length: 100.0 - 330.0mm
	Thickness: 0.5 - 2.0mm * PCB thickness adjustable system as option
Conveyor height	900 $\pm$ 25mm *Negotiable
PCB flow direction	Right to Left or Left to Right *Specify
Conveyor fixed side	Front or Rear *Specify
Conveyor width	Manual *handle operation, or Auto mode as option
Conveyor speed	0 - 7.5m/min *Variable
Ionizer (Air knife)	Machine inlet and outlet (with air-blow)
Interface	SMEMA interface as standard
Display language	English, Chinese or Japanese *Selectable
PCB support system	PCB anti-warp support brush system attached inside the machine
PCB counter	0-999999 as max.
Buzzer	ON when count-up or machine occur error
Signal tower	Red as standard *3 colors as option
Power supply	AC100V as standard *Negotiable
Air input	0.45 ~ 0.6Mpa $\phi 6$ for General
	0.45 ~ 0.6Mpa $\phi 10$ for Vacuum

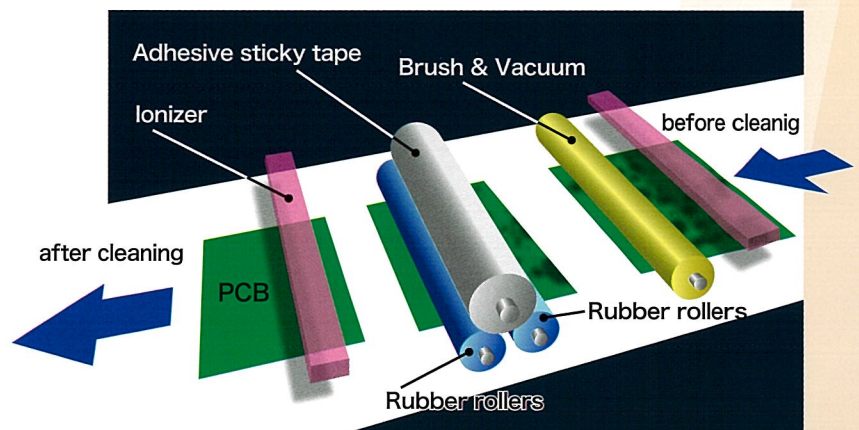
*Other requirement will be negotiable

Options:

Conveyor with auto adjustment, Special paint color, 3 colors signal tower, communication interface with another machine etc. and L size (460mm) and Dual conveyor type machine etc. Please contact with us if you would like a special order of the machine.



Bare PCB cleaning configuration



Safety precautions! Please read the instruction manual carefully before use, and use it correctly.

Specifications listed in this catalog are subject to change without prior notice for improvement purposes. Your understanding is appreciated in advance.

