



UNIQUE NO CLEANING ROLL SYSTEM

Special features:

Carefully clean PCBs from particles before screen printing

Rotating and oscillating brush

Dust collector

Ionizer Bar as option

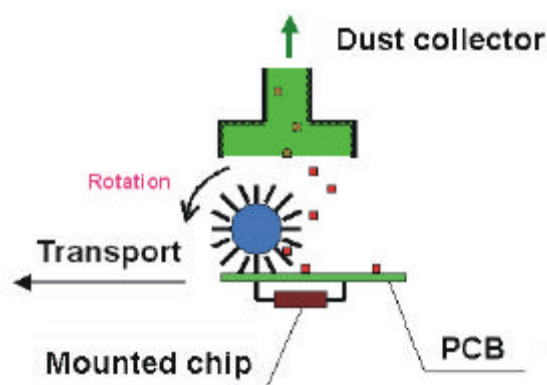
Increase the efficiency of the production line

Easy operation

Low maintainance

BC-250 & BC-460 - efficiently clean PCBs

In the electronics production the contamination of PCBs with particles of different kind causes problems when soldering. The contamination of the solder paste that is printed onto the PCBs causes a change of the wetting characteristics and the quality of the solder joints. Defects that can be caused by the contamination are for example tombstones, pins without solder and solder bridges. The BC-250 or BC-460 repectively is an alternative to a cost-intensive clean room environment and provides for an efficient and careful cleaning of the PCB. Usually the cleaner is used immediately before the screen printing process. Due to its small footprint it easily fits into the production line, even when the available floor area is very small.



Functional principle

BC-250 & BC-460

PCB Cleaning Systems

BC-250 & BC-460

Unlike other systems the BC-250 or BC-460 respectively does not work with a roll with a sticky surface. Such rolls can contaminate the printed circuit board and must be changed very often or even daily. BC-250 and BC-460 work with a special antistatic brush roll, which needs to be exchanged only annually, and with an associated particle exhaust. The optional ionizer reduces electrostatic charges of the PCBs that already existed before the cleaning process. This prevents the clean PCB from attracting further particles, additionally. Defects that result from contaminations of printed circuit boards are efficiently and nearly completely eliminated by the BC-250 or BC-460. Thus the number of cost-intensive repairs of PCBs can be reduced significantly. The collected dust can be analyzed in order to find the cause for the contamination.

Technical Specification

PCB size:	BC-250 / BC- 460:
Width:	50 ~ 250 mm / 50 ~ 460 mm
Length:	50 ~ 330 mm / 50 ~ 535 mm
Thickness:	0,5 ~ 2,0 mm / TBA
Weight of the PCB:	up to 500 g / up to 1000 g
Margin:	min. 3 mm from PCB edge
Height of components:	
Top side:	none allowed
Bottom side:	max. 25 mm
Allowed PCB warpage:	< 1 mm
Transport direction:	Standard: from L to R
Reference position:	front side fixed rail
Conveyor height:	930 mm +/-20-35mm
Conveyor width adjustment:	manual
Conveyor type:	flat belt
Conveyor speed:	7 m / Min.
Conveyor length:	370 mm (standard)
Size of the antistatic brush:	20 mm (Dia.) x 310 mm (L) 20 mm (D) x ca. 520 mm (L)
Brush rotation speed:	1200 RPM
Brush height:	manual, with indicator
Options:	Ionizator Bar
Control:	PLC control
Dimensions (in mm):	850(L) x 354(W) x 1203(H)
Weight:	90 kg



Conveyor and brush roll



Adjustment regarding PCB thickness and overlap, emergency stop switch and hand crank for conveyor width adjustment

This datasheet was presented to you by:

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