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Introduction of EDR-300,400 YL

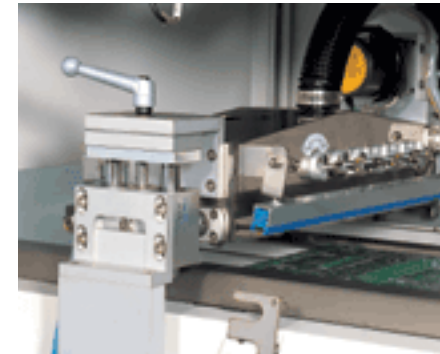
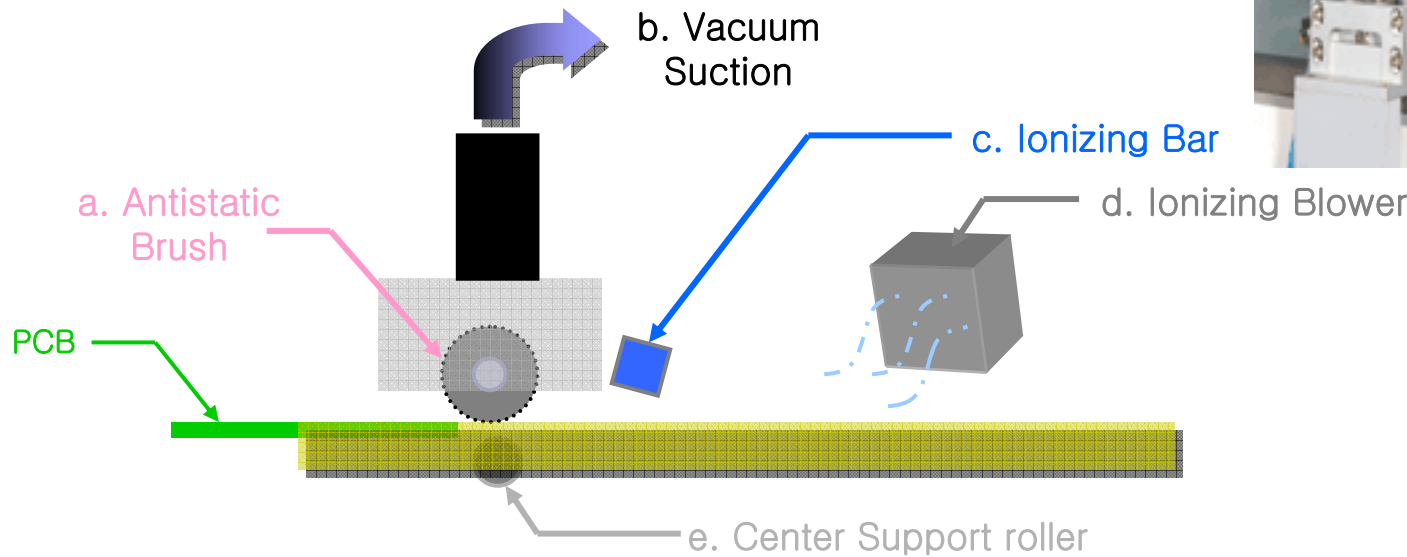
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1. Concept of *Dust Remover*

1) *Cleaning Procedure*



2) *Concept of EDR-300,400 YL*

- Antistatic Brush is rolling after PCB in-sensor is sensed.
- Contamination is collected by brush.
- Vacuum Suction collect contamination from Brush.
- ESD voltage will be reduced by Ionizing Bar. (Below 100V)
- **Option** : Ionizing Blower will be more effect for reducing ESD.
- **Option** : Center Support roller will prevent of PCB warp.

2. Specification of EDR-300,400 YL Standard

Specification



Description		Details
Machine Spec.	Dimension	800(W) X 700(L) X 1,300(H)mm
	Pass Line	900mm (+/- 30mm) / 950 (+/-30mm)
	Weight	Approx 300kg
	Power	AC220/110, 50/60Hz, 1phase
Roller & Conveyor Spec.	Width Adjust	Manual
	Length	800mm / 500mm
	Max. Speed	60Hz: 288mm/sec. 50Hz: 237mm/sec.
Applicable PCB Spec.	Size	Min. 50 X 50mm ~ Max. 330(W) X 450(L)mm
	Thickness	1 to 3mm
Cycle Time	800mm Length	5 sec.
Work Clearance	Upper	45mm from PCB Bottom surface
	Lower	35mm from PCB Bottom surface
Control Device	Operating Switch	On/Off, Emergency, Pass
	PLC	NAIS PLC (Matsushita)
	Speed Controller	0~200mm (Conveyor & Roller)
Device	Antistatic Brush	Consumable, Life Span 1-2 year
	Vacuum Cleaner	Ring Blower Type
	Ionizing Bar	Main power S/W, Emergency ,Operating
Auto With Adjustment		Width Touch Screen Panel
Ionizing Blower		Keyence (SJ-F020)
Center Support		Roller Type

3. Advantage of EDR-300,400 YL

1) Reduced Defects : DUST REMOVALRATE 98%

- Test Result Working Environment : Temp.16 degree, Humidity 10%, Con'y Speed :
Based Contamination Size : Min. ~ Max.
Remover Rate : Min. ~ Max.
- Option : Center Support Roller : Promoting cleaning efficiency

2) Low Static : Below 100V

- Antistatic Contact Parts : Antistatic Belt, Antistatic Thread Brush.
- Static reducing device : Ionizing Bar, Optional Ionizing Blower
- Test Result Working Environment : Temp. 16 degree , Humidity 10%, Con'y Speed :

	Initial PCB			Cleaning Process			Passed Roller		
Ion Bar Off	0.11	0.05	0.07	0.12	0.06	0.09	0.11	0.06	0.09
Ion Bar On	0.05	0.04	0.05	0.03	0.03	0.01	0.02	0.01	0.02
Blower On	0.03	0.06	0.04	0.02	0.03	0.04	0.02	0.01	0.01

3) Low Consumable Parts

- Antistatic Thread Brush : Life Span 1-2 year, Replace Time : Wear short

3. Advantage of EDR-300,400 YL

4) Prevent of re-contamination

- Fully Cover
- No-Blowing Before Cleaning

5) Easy Installation

- SMEMA Interface & Connecting Method is same as normal conveyor.
- An individual vacuum suction : No required connection with Factory Exhauster.

6) Low Power Consumption

- Max 50W, 1A

7) Connecting Conveyor Purpose use

- When Select Pass Mode.
- Conveyor Length is available from 500mm (minimum length).



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Thank You !

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