

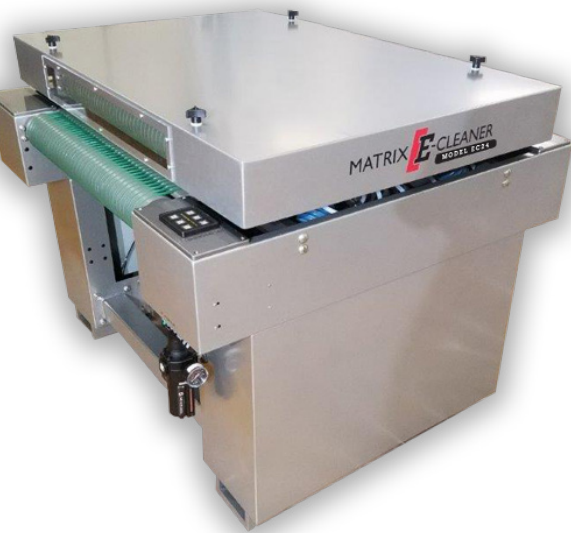
Matrix E-Cleaner Touchless Panel Cleaning

MATRIX E-CLEANER
MODEL EC24

The Most Cost-Effective Panel Cleaner in the PCB Industry

Cleanliness plays a significant role in PCB manufacturing success. Due to the continuing miniaturization of circuit features, it is now essential that dust, dirt, and human touch be eliminated from the process.

Matrix is introducing the latest Panel Cleaning device for the removal of loose surface debris using "NO-Touch" Electrostatic Neutralizers and High Pressure Air Knives... including options for vacuum particle removal.



Features

- No consumables
- Robust design to last > 15-20 years
- Electrostatic Touchless Cleaning
- Consistent cleaning on every panel
- Panel Thickness: 0.001" to 0.500"
- Minimal Maintenance
- Self Installation
- Options for particle removal

Applications

- Copper Layers and Panels before Dry Film
- Dry Film before Exposure or Direct Imaging
- Panels before and after Solder Mask
- Thin Films: PTFE, Foils, Pyralux, Flex
- Before AOI
- Prepreg before Packaging or Layup
- Copper Panels before Packaging or Layup
- Panels after Drilling/Deburring (removal of loose debris only)
- Finished Printed Circuit Boards before packaging

Dust Vacuum Collection Options

- Connect to In-House
- Connect to Stand-alone



Specifications

Cleaning Components	8 Banks of Air Jets (4 top, 4 bottom)
	4 Static Neutralizer Bars
	4 Vacuum Dust Collection Hoods
Conveyor Speed	1-100 FPM
Panel Widths	24", 30", Custom
Dimensions (EC24)	Operating Length: 42.5", Width: 49.5"
	Cleaning Width: 25.5"
	Conveyor Height: 34 - 41"
Power	120V, 60 Hz
Air	9.3 CFM @ 40 psi
Particle Removal	10-40 microns, depending on surface material
Vacuum Requirement	1300 CFM @ 6" W.G.