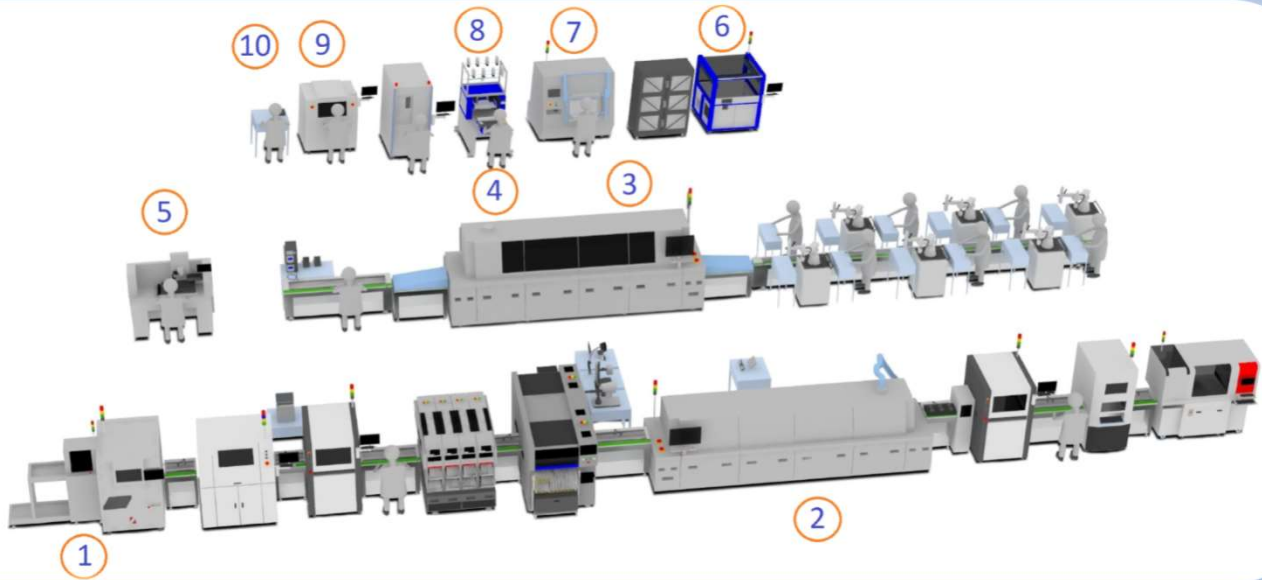




Fume Extraction Products for Electronics Manufacturing



Common Applications

1.) Laser Marking	2.) Reflow Ovens
3.) Wave Solder	4.) De-Dross
5.) Hand Solder and Rework	6.) Conformal Coating Machines
7.) PCB and Stencil Wash	8.) BGA/SMT Rework Stations
9.) Selective Solder	10.) Touch-up

And others, If you have concerns not addressed, please let us know!

Fume Extraction Products for Electronics Manufacturing



Laser Marking

Deciding factors: Substrate marked, Airflow required.
(See also Laser Depaneling)

Common solutions: 300i through 800i*



Reflow Oven (Ask about vapor phase or offline)

Deciding factors: Air flow required, Air temp, Number and size of exhaust ports, Type of solder paste used

Common in line Solutions: 2000i or 5000i*



Wave Solder

Deciding factors: Air flow required, Air temp, Port Size, Type of solder paste used, Solder and Flux used

Common Solutions: 1500i to 5000i*



De Dross

Deciding factors: Floor Space Available, Pre-Existing Hoods or Arms.

Common Solutions: 650 Dual Arm*



Hand Solder and Rework

Deciding factors: Adjacent Stations, Desired Centralized Unit, Lead Free or Lead Solder

Common Solutions: Fume Cube through 5000i*

Fume Extraction Products for Electronics Manufacturing

Conformal Coating Machines

Deciding factors: Air Flow Required, Materials to be applied. (See also adhesives and sealant dispensing)

Common solutions: 800 or 800i 3T*



PCB Stencil Wash

Deciding factors: Air flow required, Air temp, Materials Applied.

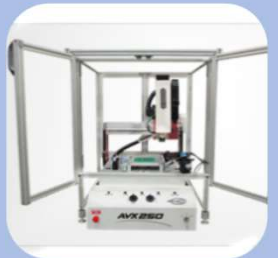
Common Solutions: 400i or 800i 2T



BGA & SMT Rework Systems

Deciding factors: Enclosed or Open, Air Flow Required, Lead or Lead Free.

Common solutions: Fume Cube or Fume Cube Max



Selective Solder Machines

Deciding factors: Air flow required, Air temp, Lead Free or Lead Solder

Common Solutions: 400i through 800i*



Touch Up

Deciding factors: Air flow Required, Application Method, Materials Applied

Common Solutions: Fume Buster with Clean Cab*



Fume Extraction Products for Electronics Manufacturing



SAFETY: Fumes can contain harmful particles, vapors and gases causing short, or long term, health concerns to those who come in contact. Purex Fume Extractors use multi-stage filtration to remove harmful fumes and return clean air back to the working environment.



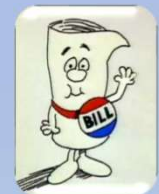
COST: Exhaust installation and modification to roofs can be expensive. Additionally, maintaining air balance and loss of heating energy through outside ducting result in added utility expenses. Fumes not properly handled lead to employee discomfort, increased health care costs, and lost time at work. Local fume extraction does not require modification to the structure or permitting and improves the air employees are exposed to.



ENVIRONMENT: Fumes dissipated by fans or exhausted outside are still harmful and can re-enter the facility through doors and windows. Filtration is the only way to remove harmful fumes and keep them from the environment. Vapors exhausted are transferred to neighboring business, schools, homes, etc. Local exhaust ventilation through a fume extractor filters the particles, vapors and gases then returns clean air inside the facility.



CONSISTENCY: Purex Fume Extraction equipment maintains a steady volume of air flow. Outside winds and atmospheric pressure changes can impact the air flow from a facilities exhaust system, negatively impacting certain processes and the rate at which fumes exit the facility.



LOCAL LEGISLATION: Many local laws prevent exhausting of fumes to the outside environment or require expensive and time prohibitive permitting.



FLEXIBILITY: Processes exhausting through hard piping to the outdoors are difficult to relocate. Purex Fume Extraction units are easy to move and make the process more portable.

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