

## **PACE FUME EXTRACTION SYSTEMS**

As the full solution provider in the electronics industry, PACE has set the standards for over 15 years by leading technology development for fume extraction equipment specifically designed to meet the requirements of the electronics industry and by educating the industry on the effects of exposure and how to protect workers.

PACE offers Fume Extraction Systems that feature the latest advancements in filter condition monitoring and process control as well as cost effective solutions that incorporate many of our best features. A variety of collection accessories are available that offer highly effective source capture or wide area extraction to meet virtually any application.

Each system is composed of rugged steel construction and includes a heavy-duty, brushless motor for years of trouble free service. Convenient, disposable filter cartridges are easily changed, eliminating the need for messy cleaning and costly service visits.

## **THE BENEFITS OF PACE FUME EXTRACTION**

1. Fumes are pulled away from the primary solderer.
2. As flux fumes are removed at their source, secondary exposure of other operators is eliminated.
3. Assemblies and the work area are kept clean from flux fume contamination.
4. Filtered air is recirculated back into the work environment instead of being vented to the outside.  
Therefore, energy savings in the form of air conditioning and heating costs are realized.
5. Unfiltered air is not exhausted to the outside which may require costly environmental permits and pollution control devices.
6. PACE Fume Extraction Systems offer the greatest flexibility as they are modular and can be easily disassembled and reassembled in another location as manufacturing processes and layouts change.

## **WHY IS FUME EXTRACTION NEEDED?**

It's a fact... hazardous fumes in the working environment result in increased absenteeism, employee turnover, worker's compensation claims and lost productivity. Medical research has confirmed an increased incidence of occupational asthma, chronic bronchitis, allergic reactions, contact dermatitis and other health related effects associated with exposure to flux fumes. The substances in flux fumes are regulated by international health and safety agencies and many have been designated as Occupational Sensitizers which means that exposure should be eliminated or reduced to as low levels as possible. Where manual soldering is being performed or where solder-pots/fountains are utilized, hazardous fumes are produced and workers need to be protected from them.

**FACT: EXPOSURE TO SOLDER FUMES LEADS TO RESPIRATORY ILLNESS**

**FACT: MATERIAL SAFETY DATA SHEETS FOR FLUXES RECOMMEND THE USE OF LOCAL EXHAUST VENTILATION SYSTEMS**

The Health effects caused by exposure to flux fumes tend to be forms of respiratory illness and contact dermatitis. However, since the components of flux fume are often designated as occupational sensitizers, chronic or prolonged exposure increases the severity of health effects. PACE Fume Extraction is a key element in protecting workers from being exposed to flux fume!