



Expert solutions for Dust & Fume  
Extraction, Pneumatic Conveying  
and LEV Testing & Servicing.

 We Consult.  
We Design.  
We Install.



[apsukltd.co.uk](http://apsukltd.co.uk)

# Dust & Fume Control

Effective dust control reduces waste and brings more value to your business, fewer working days lost to the harmful effects of dust and fume, increased production yields through the recovery of raw materials and better protection for plant and machinery to avoid costly maintenance and downtime. With ever increasing emphasis on environmental pollution, associated regulations and legislation means that effective dust control measures have become vital for the manufacturing industries.

Local Exhaust Ventilation (LEV) extraction systems are identified as being essential to improve the air quality and to reduce the risk of various respiratory diseases caused by dust and fume particles. When properly designed, installed and maintained a good LEV Extraction System will remove airborne contaminants at the point of origin.

Our expertise in dust control enables us to provide our customers with a professional and effective service, plus our excellent supplier partnerships also ensure the best possible solution to any customer needs.



## Pneumatic Conveying

Specialising in the design, supply, manufacture and installation of materials handling systems through air conveying - for the plastics, paper, food and chemical industries. Our designs include the supply of handling systems for the transfer of pellets, edge trims, food and finished/waste products. This can be achieved using either a positive pressure air stream or a negative pressure air stream (vacuum).

# Waste Handling Systems

APS specialise in the design, manufacture and installation of production waste handling systems. Whether you are involved with paper, board, foil, tissue, sticky waste or plastic film, we have the knowledge, experience and expertise to provide you with the solution. APS waste systems are able to collect production waste from any source, whether it is from a winder, knife trimmer, printing press or simply swept waste from the floor. Once collected, the waste is conveyed to a separation plant located elsewhere, typically over a compactor or baler. APS also offer cutter units which will drastically reduce the volume of conveyed trim, thus removing the need for a compactor or baling machine.

APS Trim systems handle high speed edge and intermediate trim waste in continuous form, from 'blown film' production lines, conveying directly into reprocessing machines.

We tailor solutions to suit your needs and priorities. Taking into consideration your budget, space and timescale we will formulate a solution for you.



## We offer a comprehensive range of filter solutions:

- Reverse jet bag filters
- Reverse jet cartridge filters
- Silo vent filters
- Auto shake clean filters
- Manual shake clean filters
- Floor mounted fansets
- Oil mist collection
- CVC Centralised vacuum cleaning plant
- Cyclone filter units
- Wet scrubber systems

## Industries we work within:

- Pharmaceuticals
- Food processing
- Plastics and polymers
- Waste/recycling
- Biomass
- Foundry
- Thermal metal spray
- Chemicals
- Paper
- Wood
- Electric battery manufacturing



## Ducting Systems

APS UK Limited specialise in the design, supply and installation of ductwork systems for 'Materials Handling Systems' and 'Dust/Fume Extraction Systems' in many varied industries, tailored to suit any specific application.

Ductwork can be supplied in many different styles from smooth bore quick clip systems, heavy duty clamp systems to heavy duty fully welded and flanged ductwork. Ductwork can be supplied in galvanised, painted, stainless steel or plastic in a wide range of grades and finishes.



## Downflow Containment Booths

APS UK Limited provide downflow booth solutions with high levels of operator and product protection during such processes as weighing, dispensing, mixing and sieving in a variety of industries including plastic, textile, chemical, nutrition and health supplement markets. Achieving guaranteed operator exposure levels of less than  $100 \mu\text{g}/\text{m}^3$  TWA with multi-stage fine dust & HEPA filtration systems. Downflow booths can be designed and manufactured in a variety of widths and safe working zones with recirculating and single pass variants, with construction in epoxy painted zintec steel or stainless steel. A host of optional features are available from integral weigh systems to cooling systems.



## ATEX/DSEAR

ATEX is the name commonly given to the procedure for controlling explosive atmospheres and the standards of equipment and systems and is used for improving the health and safety protection of workers potentially at risk from explosive atmospheres.

### Your LEV System

If your company employs processes that produce dust, mist, fume, gas or vapour, there may be a risk to the health of your staff. If this is the case, you may have a Local Exhaust Ventilation (LEV) system installed. This needs to be correctly specified, installed and maintained if it is to protect your workforce effectively.

- Over **7000** deaths each year. The amount of people killed by occupational cancer is 30 times more than people killed by industrial accidents.
- **1500 – 3000** people develop occupational asthma each year. There are over 300,000 LEV systems in the UK.
- Of which **40%** are tested on an annual basis – **60%** have no inspection.
- More than **500,000** people rely on LEV to protect their health.



## Aftercare

### Service

To eliminate expensive and time consuming breakdowns our engineers will carry out comprehensive “preventative maintenance” service inspections on all types and makes of LEV systems eg reverse jet or mechanical shaker dust collectors; fume extraction or odour abatement systems, and provide a detailed service report. The number of service visits and scheduled filter changes can be tailored to suit your process requirements.

### LEV Testing

COSHH Regulation 9 is a legal requirement as defined by the UK health and safety executive. It requires that all dust or fume extraction systems must be fully LEV tested at least every 14 months by a **qualified and competent engineer**. APS provide a complete testing service to include a comprehensive test report. **Our Engineers are P601 and P602 certified** – a British Occupational Hygiene Society standard.

### Filters

APS supply a full range of spares to complement all types of dust and fume extraction systems, pneumatic conveying systems and odour abatement plants, eg filter pads & bags; filter cartridges; fans; cyclones; ducting; rotary valves. We provide a full fitting and installation services for all spares if required.





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## Our partners



# Get in Touch.

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