ULTRIMAX®

LEV Testing, Air Monitoring & Air Sampling

ON-SITE SURVEYS

All makes and models of LEV equipment

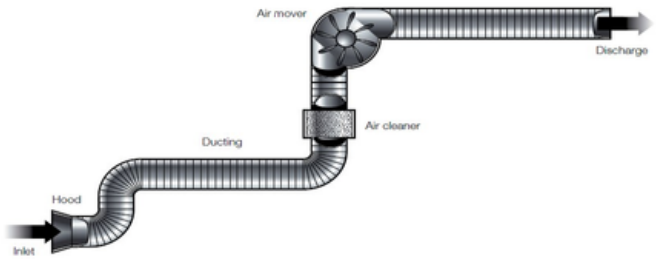
SPECIALISTS IN TOTAL **'PAINT SHOP SUPPORT'**

LEV Systems

What does LEV mean?

LEV stands for Local Exhaust Ventilation and describes systems designed to remove contaminants such as dust, mists, gases, vapour and fume from the air. LEV systems include:

- **A hood or multiple hoods** - to collect airborne contaminants at, or near, where they are created (the source)
- **Ducting** - to carry the airborne contaminants away from the process
- **A filter** - to separate particulate matter from the air
- **A fan** - which must be the right size and type to deliver sufficient 'suck; to the hood
- **Discharge mechanism** - to safely release clean, extracted air into the atmosphere



LEV systems:

- Collect contaminated air at source
- Contain the contaminants
- Clean the air and return it to the atmosphere if required.

LEV and the Law

Control of Substances Hazardous to Health (COSHH) Regulations require all employers to control risks from substances such as dust and fume. There are several measures that can be taken such as changing a material being used to something safer, applying equipment to control the problem - using lids on containers etc, or changing working practices to reduce risk to employees.

If there is still a risk to your workforce once other preventative methods have been used, it is widely recognised that installing a Local Exhaust Ventilation system is the best way of protecting people from exposure to harmful airborne contaminants.

LEV Testing

By law, all LEV systems must be kept in efficient working order and also have a periodic thorough examination and test. COSHH regulations require most LEV systems to be tested **every 14 months** by a competent person, for some processes equipment may need to be tested as frequently as every month!

Process	Minimum Frequency
Processes in which blasting is carried out in or incidental to the cleaning of metal castings in connection with their manufacture.	Every Month
Jute cloth manufacture	Every Month
Processes, other than wet processes, in which metal articles (other than gold, platinum or iridium) are ground, abraded, or polished using mechanical powder, in any room for more than 12 hours a week.	Every 6 months
Processes giving off dust or fume in which non-ferrous metal castings are produced.	Every 6 months

Is the air in your workplace clean and safe to breathe?

Protecting employees from exposure to harmful airborne contaminants is a legal requirement. Ultrimax provides a number of services designed to ensure control measures are operating as intended.

- Ensure COSHH compliance
- Comprehensive reports delivered direct to your inbox
- Expert advice

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Ultrimax's Service

Dedicated Engineers

Ultrimax have experienced P601, P602, P603 and P604 qualified engineers that provide COSHH compliant LEV testing and servicing throughout the UK for all makes and models of LEV systems.

Digital LEV test reports

Our LEV engineers log all details of their visit using a digital tablet meaning risk assessments, method statements, and LEV test reports can be in your inbox before the engineer has even arrived at his next job!

- Less paperwork
- Easy to file and find when needed

Service to suit you

We understand that all businesses operate differently. If you want the security of knowing that COSHH compliance is one less thing for you to think about we can take care of that, or if you'd rather contact us when you need our services, that's fine too - planned or ad hoc, it's entirely up to you.

Monitor your LEV Systems

Ultrimax offers a range of airflow monitoring equipment and record keeping systems as specified in HSG258.

Airflow Gauges

Ultrimax offers airflow gauges as an option on all extraction equipment as recommended in HSG258. Gauges can be retrofitted to any existing LEV system, including dust, welding fume, smoke and oil mist extraction units. Airflow indicators offer the equipment operator an accurate, immediate and easy to read indication of whether the extraction system is working efficiently.

F-Monitor 2

The monitoring device, F Monitor 2 & 2+ monitors time and airflow, with the F Monitor 2+ having the additional functionality to measure vibration and motor temperature. The F Monitor 2 & 2+ alerts machine operators when the unit needs servicing, or if there are any potential issues with an oil mist filter. COSHH regulations require employees to report any defects in LEV Systems 'forthwith' - using monitoring devices makes this requirement easy to adhere to.

Smoke sticks and wind direction powder

Airflow indicators offer the equipment operator an accurate immediate and easy to read indication of whether the extraction system is working efficiently.

LEV Log Books

In addition to regular testing by a competent person, COSHH regulations require employers to keep accurate records of daily, weekly and monthly checks on all LEV systems.

Air Monitoring

Can your workforce breathe easy?

Many manufacturing applications can result in operatives being exposed to a wide range of hazardous substances in the workplace. These contaminants can include dusts, fumes, vapours, fibres, gases and micro-organisms. Depending upon the substance and the extent of exposure, employees can experience a wide range of adverse health effects potentially leading to a variety of occupational diseases.

Employers are required to prevent or control exposure to hazardous substances that have Workplace Exposure Limits (WELs) which are subject to COSHH regulations.

WELs are British occupational exposure limits and are set in order to help protect the health of workers. WELs are concentrations of hazardous substances in the air, averaged over a specified period of time, referred to as a time-weighted average (TWA). These are published in **EH40 workplace exposure limits** - a document available of free charge from the HSE website.

Air Monitoring can indicate the extent of exposure occurring and highlight the effectiveness of any control measures in place. The results should be compared with relevant exposure limits to determine the need for improvements.

Our Service

Ultrimax's air monitoring service is designed to ensure control measures are working as intended and employees are breathing air which is clean and safe.

- Static monitoring assesses the air quality in a specific area
- Personal monitoring samples air in the operator's breathing zone.

Comprehensive reports containing detailed test results help customers ensure they are compliant with current legislation and fulfilling their duty of care to employees.

When should you use air monitoring?

- Where there is a serious risk to health from inhalation of the substance
- To check that exposure limits are not exceeded
- To check that your exposure controls work well enough, or if you need better controls
- To identify the need for additional or alternative control measures
- To check that new controls are working
- After process or production changes that mean exposure may have changed
- To show any need for health surveillance
- As defence against an insurance claim

Air Sampling

An effective LEV system and correct PPE should keep your workplace dust and fume free, and your stall well protected, but it is sometimes necessary to undertake 'Air Sampling' in the working environment and near a worker's breathing zone to ensure the air they are breathing is sage.

We can offer personal and static gravimetric air sampling which is an accurate method to measure the concentration of airborne contaminants within your workplace. Static tests are conducted in and around the work area, whereas Personal Air Sampling happens close to your worker's breathing zone. This method test for airborne substances that may be inhaled when a worker undertakes a particular task.

Couples with a thorough test of your LEV equipment, samples are collected using specialist equipment and tested in independent laboratories to enable us to offer you a comprehensive 'Occupational Exposure to Substances' report on the quality of your workplace air. We will outline dangers your workforce may be exposed to, and make recommendations on how you can improve your working environment.

Download HSE documents using link below:

Is your organisation compliant?

Clearing the air - A simple guide to buying and using local exhaust ventilation (LEV)
>>DOWNLOAD HERE<<

Controlling airborne contaminants at work - A guide to local exhaust ventilation (LEV)
>>DOWNLOAD HERE<<

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