



**FILTERMIST**

Part of Absolent  
Air Care Group



Delivering Clean Air for  
**UK Aerospace and Defence Manufacturers**

As a UK manufacturer, you need air that's clean, safe for your team to breathe, and fully compliant with COSHH and IPPC Regulations. That's where we come in.

We've helped companies like yours eliminate oil mist, dust, fume, smoke and VOCs from workplace air since 1969. We manufacture and supply, monitor and maintain LEV extraction systems and other ATEX rated equipment that effectively protects people from harmful airborne contaminants.

This frees you to focus on what you do best – keeping our nation safe, while maintaining the productive, compliant workplace your team deserves.

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



**Your  
people.**

**Your  
compliance.**

**Our  
expertise.**



# OUR PRODUCTS AND SERVICES

## DUST EXTRACTION – standard and ATEX rated

- Wet and dry dust collectors, and dust collection systems

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## FUME EXTRACTION

- Static fume extractors
- Portable welding fume extraction

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## OIL MIST EXTRACTION

- Stand-alone extraction units
- Centralised systems

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## INDUSTRIAL VACUUM CLEANERS

- ATEX rated for explosive atmospheres
- Class H for hazardous dust and debris

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## AFTERMARKET SERVICES

- Spares and consumables
- Routine and reactive maintenance
- LEV testing

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# Take a closer look at dust

Aerospace and defence manufacturing operations can generate a wide variety of hazardous and potentially explosive dusts which require specialist extraction:

## METALLIC DUSTS

Aluminium and titanium particles can be explosive, requiring ATEX rated wet dust collectors for safe removal.

## CERAMIC/COATING DUSTS

Grinding and machining ceramic parts can produce respirable crystalline silica and other particulate matter that can cause silicosis and other serious health conditions.

## COMPOSITE DUSTS

Carbon fibre and glass fibre materials create extremely fine, lightweight particles during cutting and finishing that can be difficult to capture.

## ABRASIVE MEDIA

Surface finishing processes such as grinding, deburring and shot blasting can generate dust particles which can be harmful to health if breathed in.

## WHY EFFECTIVE DUST EXTRACTION IS VITAL

- Protect worker health
- Minimise the risk of fires and explosions
- Assure product quality
- Comply with H&S regulations
- Prevent equipment failure
- Protect the environment

# WET AND DRY DUST COLLECTORS



**Filtermist manufactures a wide range of wet and dry dust collectors under the Dustcheck brand, and also specifies and supplies dust extraction units from sister company Absolent AB.**

The dry dust collectors we manufacture can all be specified with ATEX options including integral explosion relief panels.

Wet dust collectors are perfect for handling difficult and sticky dusts, as well as explosive, fine metal dusts from materials commonly used in the aerospace industry including titanium, aluminium and magnesium.

Our dedicated dust team has extensive experience in specifying the best bit of kit for specific requirements, and our inhouse projects team manages all aspects of dust extraction system installations – from site surveys and system design, to installation and commissioning.



**Absolent**

**Dustcheck**



Visit our website to view  
our full product range

# Let's focus on fume

**Chemicals widely used in common production processes can result in emissions including VOCs and fume which must be handled and treated in accordance with the European Integrated Pollution Prevention and Control (IPPC) Directive.**

We provide fume extraction systems that handle a wide range of emissions including welding fume, process generated fume, vehicle exhaust fume, chemical fume, solvent fume, and fumes generated in laser and plasma cutting.

Exposure to some types of airborne fume can also be fatal for example, fume from welding mild steel is now known to cause cancer. Other illnesses including occupational asthma, pneumonia, chronic obstructive pulmonary disease (COPD) and 'metal fume fever' are all linked to fume and smoke widely found in facilities where welding and cutting take place.

# FUME EXTRACTION UNITS

**We offer static and portable fume extractors that meet a diverse range of requirements.**

From stationery extraction units that duct into centralised systems, to mobile weld fume extractors that can be moved around to meet changing needs – our fume extraction experts will tailor a solution that best protects your people and meets your operational needs.



# Is oil mist costing your business?

**Attention to detail is mission critical for aerospace manufacturers - the smallest imperfections can have big consequences.**

Oil mist generated in metal machining operations including milling, turning and cutting can have costly implications if left in the atmosphere.

**Effective oil mist extraction can:**

- Support adherence to AS9100 requirements
- Reduce the cost of worker sick leave and absence cover
- Help to prevent damage to sensitive electronic equipment including machine control panels
- Assist product quality and lower wastage costs by maintaining an ambient temperature inside the machine enclosure
- Lower cleaning bills by reducing oily deposits on walls and floors
- Help to win new business through high standards of cleanliness
- Reduce coolant costs by recycling where possible

# OIL MIST FILTERS

**Filtermist has manufactured its own brand of oil mist filters in the UK since 1969. Our units are trusted by world-leading manufacturers in more than 60 countries including many Tier 1 aerospace companies and their supply chains.**

With airflows from 180 m<sup>3</sup>/hr to 2750 m<sup>3</sup>/hr and a wide range of mounting options to suit all requirements, our compact, quiet and efficient filters have an unrivalled reputation for keeping the air in machine shops clean and safe to breathe.

F Save can reduce energy use on our centrifugal oil mist filters by up to 80%, with an average payback of just 3 to 12 months.

We also provide premium, HEPA rated, oil mist extraction units from Absolent AB which can be fitted to one machine, or ducted into a central system to filter contaminated air from multiple machines.



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Visit our website for  
more information

## KEEP IT CLEAN



**Aerospace manufacturing operations including additive manufacturing, composite component production, metal fabrication, paint spraying, plastic injection moulding, and powder coating can generate fine explosive metallic dusts, combustible chemical dusts and polymer plastic particles.**

These contaminants must be effectively managed to ensure compliance with industry standards and legal requirements including COSHH and DSEAR (Dangerous Substances and Explosive Atmospheres Regulations).

Filtermist acquired the Kerstar brand in 2019 and now manufactures and supplies a wide range of ATEX rated industrial vacuum cleaners suitable for cleaning up potentially explosive dust and debris in Dust Zones 21 & 22 and Gas Zones 1&2.

Kerstar also offers a number of Class H vacuums to safely dispose of hazardous dust, as well as non-ATEX models for standard cleaning applications. Products include electric and compressed air powered models to suit all requirements.



KERSTAR



Visit the dedicated Kerstar website to find out more

## ONGOING SUPPORT

**All industrial air filtration and extraction equipment performs best with regular preventative maintenance. Benefits include increased efficiency, less production downtime and reduced costs.**

Filtermist's dedicated aftermarket department offers spares and consumables, routine and reactive maintenance, and LEV testing for all makes and models of LEV equipment used to control contaminants including dust, fume, smoke, VOCs and oil mist.

Thorough examination and testing by a competent person at least once every 14 months is a legal requirement under COSHH regulations.

We understand that every business is unique. If you want the peace of mind that COSHH compliance is one less thing for you to worry about, then we can take care of it for you.



Find out more about  
our Aftermarket support

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