

Mist Extraction solutions to

PROTECT YOUR WORKFORCE

CleanMist®

Mist Compact

MCOS Coalescent

Dust and Dry Smoke

Service and Support





“Our aim is to create a safer and more efficient workplace environment, helping to reduce downtime and improve production and ultimately, profitability.”

Stewart Coull
MANAGING DIRECTOR



Jemtech

Advanced Fluid Management

Jemtech are an established market leader in fluid management, providing the safest and most efficient workshop products. Our highly experienced team deliver expertise, fitting and service across a diverse range of products and services.

We are both an OEM of innovative fluid management and delivery systems as well as key supply partners of the world's leading manufacturers of cutting fluids, mist extraction systems and industrial machining vacuums.



MARKET LEADING EXTRACTION SOLUTIONS

Our experience gained over many years enables us to provide cost-effective and flexible solutions, tailored to your needs.

We have established a key partnership with one of the world's foremost experts in mist and oil extraction manufacturers. Hfiltration design and build solutions for air filtration and purification in multiple industrial sectors, optimising production process, and providing solutions for healthier and safer workplaces.

We believe in strong partnerships, innovation, and continuous training, with the goal of providing world leading products and services.





CLEANMIST®

Revolutionise Your Environment with CleanMist®

Introducing CleanMist®: your solution to oil mist pollution. Our range offers high-efficiency centrifugal and electrostatic filters for any application.

Air flows in, pollutants are captured, and pure air flows out – it's that simple. Enjoy quick installation, low noise, and reduced maintenance with our self-cleaning technology.

Centrifugal filter ✓

Single machine ✓

Full factory solution

Airflow 300 - 2300m³/h

Water miscible coolant ✓

Neat oil ✓

Low noise ✓

Easy installation ✓

Reduced maintenance ✓

Lease option ✓



Order yours today

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MIST COMPACT

The superior choice for centralised systems

Designed for superior performance, this filter efficiently tackles emulsified oil mists with H13 efficiency and an external polypropylene membrane.

Crafted for ease, Mist Compact® features a spacious inspection panel for hassle-free maintenance. Polluted air enters, slowing down to allow particles to settle. A pre-separator traps fluid waste before the air flows through the glass fiber cartridges, depositing contaminants outside.

Benefits include efficiency (≤ 5 mg/Nm³ emissions), energy savings, improved working environments, easy installation, customized solutions, and world-class support.

Built in fan	✓
Airflow	1500 - 14000m ³ /h
Energy saving	✓
Easy installation	✓
High Efficiency	✓
Customised Solutions	✓
World-Class Support	✓
Low noise	✓
Reduced maintenance	✓
Lease option	✓



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MCOS COALESCENT FILTER

The ultimate solution for heavy duty applications

Introducing MCOS, a robust filtration system designed for challenging work environments. With its multilayer glass fiber filter element, MCOS efficiently separates oil and smoke particles from the air. Unlike traditional filters, MCOS ensures particles are collected without clogging, extending its lifespan.

Integrated Fan ✓

Heavy duty ✓

Anti-clogging

Airflow Up to 8000 m³/h airflow

Customised solutions ✓

World-Class Support ✓

Low noise ✓

Reduced maintenance ✓

Lease option ✓



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Finance

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H FILTRATION
SYSTEMS
MCOS



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DUST AND DRY SMOKE RANGE

The frontline defence against workplace pollution

Crafted with cutting-edge technology, our extraction products are engineered to efficiently remove dust and dry smoke from industrial settings.

These indispensable tools not only enhance air quality but also enable companies to meet rigorous environmental and safety regulations. Rest assured, all our systems carry ISO 9001, ISO 14001, and ISO 45001 certifications, guaranteeing industry-leading pollution control for your workspace.

Experience the Jemtech Advantage:

- Our extractors capture up to 99.95% of pollutant particles, keeping emissions below 1mg/Nm³.
- Many products feature modular design for easy filter changes and reduced maintenance.
- Variety of sizes and scales tailored to your environment

Enhance your workplace with our Dust and Dry Smoke systems, ensuring cleaner air and peace of mind.

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AVAILABLE

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	Bag Compact®	Pulsatron H	HJL Cart	PC Cyclone	Pulsatron Compact	Pulsatron Compact Atex	HJL Bag	Pulsatron Compact Mini	PC Cart
Airflow m³/h	1500 - 13500	-	12000 - 97000	2500 - 32000	1000 - 14000	1000 - 14000	10000 - 33700	800 - 900	2000 - 16000
Filtrating surface m²	20 - 120	-	294 - 1617	-	20 - 160	20 - 160	104 - 351	10 - 20	20 - 80
Filtration velocity m/s	0.020 - 0.031	-	-	-	-	0,020 - 0,024	-	-	0,020 - 0,035
Ideal Applications	Plasma cutting, Marble cutting, Sandblasting Grinding, Dry machining on tool machines		Sandblasting, Deburring, Welding fumes, Grinding, Chemical processing	Sandblasting, Deburring, Grinding, Dusty materials, Grinding, Dry machining on machine tools	Sandblasting, Sanding, Deburring, Grinding Cement, Laser cutting, Welding smokes, Chemical processing, Pharmaceutical manufacturing	Powder coating, Food manufacturing, Aluminium/zinc manufacturing, Chemical manufacturing, Pharmaceutical manufacturing	Sanding, Sandblasting Grinding, Edging, Deburring, Welding fumes, Chemical processing, Epoxy painting	Sandblasting, Sanding Grinding, Cleaning surfaces, Welding smokes, Dusty material handling	Dry machining on tool machines, Chemical processing Pharmaceutical manufacturing Plastic material manufacturing Grinding Plasma cutting

All products in our Dust and Dry Smoke Range includes:

- 

High Efficiency
- 

Customised Solutions
- 

World-Class Support
- 

Low Noise
- 

Reduced Maintenance
- 

Lease Option

SERVICE AND SUPPORT

Experience peace of mind and maximise efficiency.

Our expertly crafted service packages keep your machine units operating at peak performance, ensuring quality and productivity remain unmatched. Rest easy knowing our fully trained engineers are at your service, providing prompt assistance and emergency callouts when you need them most.

With our service plans, you'll benefit from:

- Full electrical installation
- Mechanical installation
- Cost saving Maintenance
- National Coverage
- Specialist Technical Advice
- Genuine manufacturer spares
- LEV Testing & Air Monitoring



Case Study

OIL MIST IN THE AERONAUTICAL SECTOR

The case study we present in this document is that of a European multinational company that designs, produces and markets civil and military aeronautical products throughout the world.

The filtration system was essential to treat very light oily mists, coming from drilling operations with emulsified oil on composite materials inside the nacelle.

Problems

- Use of very uncomfortable masks by operators to avoid breathing the mists generated by drilling operations during booth assembly.
- Extremely complex pollutant capture: numerous drilling operations and low, light mist concentrations.
- Very low pollutant concentration values required in the environment:
- No possibility of confining the area or installing fixed ducts, a factor due to the constant assembly and disassembly of the nacelle every 3 weeks.
- Limited workstation space.

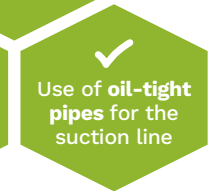
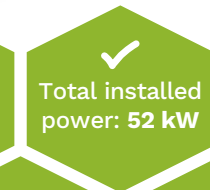
Advantages

- Operators stopped using masks: the working environment was healthier, also reducing the costs incurred for purchasing masks.
- Easy and short assembly and disassembly every 3 weeks of the suction line that passes through all the workstations.
- Great economic advantage for the customer as it eliminated the manual cleaning and oil removal operation of the aircraft nacelles at the end of the drilling operations.

Solutions

Installation of two centralized static filters with coalescent effect MISTCOMPACT®:

- N°1 MC08TV inside the production unit.
- N°1 MC20TV outside the warehouse.





JEMTECH PRODUCT RANGE



Fluid management

The intelligent and automated fluid management systems designed for your cutting fluid of choice



Industrial vacuums

Coolant / neat oil industrial vacuum units.



Cutting fluids

Reduce costs, increase efficiency and provide quality where it counts.

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