

DUST, FUME & MIST CONTROL

AFTER SALES AND TECHNICAL SUPPORT SERVICES

Integrated within the Donaldson Torit DCE product package is a comprehensive after-sales and technical support service.

We have highly trained engineers and service personnel with the knowledge and expertise to answer questions relating to any aspect of your operation's dust, fume or mist control installation.

'Turnkey' Applications

From initial contact to final installation and commissioning, Donaldson Torit DCE can arrange and manage the total project to ensure your application is completed on time and within budget.

Test and Examination

Comprehensive test and examination scheme to establish flow rates, volume and system pressure to ensure conformity with existing legislation throughout the world.

Installation

The expertise and back up service to deal with any sized installation including any ancillary work to be designed and produced, giving you total peace of mind.

Commissioning

Complete initial check to balance your dust, fume or mist control system from the people who designed it.

Service & Maintenance

We offer a full service scheme to ensure smooth, reliable and continuous operation of the installation including a service register to satisfy stringent legislation.

Spares

Complete list of spares to make certain that emergency replacements reach the customer quickly and ensure minimum loss of production.

Compressed Air Filtration

Marketed under the Donaldson Ultrafilter brand, we also offer a complete range of system engineered solutions for the purification of compressed air, technical gases and liquids, including high efficiency filtration, air and gas dryers of the refrigerant, adsorption or membrane types, condensate management systems and refrigerant water chillers. Services offered by Donaldson Ultrafilter include the maintenance and installation of all purification equipment, as well as the provision of onsite system audits and analysis of air quality, volume and energy efficiency.

DUST, FUME & MIST CONTROL



Total dust, fume and mist control solutions for a safer classroom environment



Engine Filtration
Products



Compressed Air
Purification



Gas Turbine
Filtration



PTFE Membrane
Technologies



Hydraulic
Filtration



Dust, Fume & Mist
Collection

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Your total dust, fume & mist collection solution

Protect student and teacher health with a total dust, fume or mist control system from Donaldson Torit DCE®

When it comes to safeguarding staff and student health you can't afford to take any chances. That's why choosing the right dust, fume or mist control equipment is critical to successfully removing hazardous contaminants from the air for a safer classroom environment.

That's where Donaldson Torit DCE can help. We have extensive expertise in developing dust, fume and mist collection systems for technology class applications. No matter whether your woodworking or metalworking department is large or small, with the most extensive range of collectors to select from our experienced engineers can design a cost-effective solution that will ensure your facility adheres to government regulations while providing a healthy and safe environment for your staff and students.

Benefits of Effective Dust Control

Protect Student & Teacher Health

Protect against the many long-term hazards of working with wood dust and welding fumes such as dermatitis, allergic respiratory effects, chronic bronchitis, skin and eye irritation, metal fume fever, systemic poisoning and cancer.

Reduce Fire Hazard

The removal of wood dusts, weld fumes and gases, or oil mists from the classroom to a central collection point greatly reduces fire and explosion hazards and minimises the risk of harm to students and teachers.

Meet Government Regulations

Meet the "Exposure Standards for Atmospheric Contaminants in the Occupational Environment 1995" published by Work Safe Australia.

- Hardwood – 1 mg/m³*
- Softwood – 5 mg/m³*
- Welding fume – 5 mg/m³*
- Welding by-products (released from base metal, filler metal and the flux) – generally less than 1 mg/m³*

Increase Classroom Productivity

- Spend less time waiting for the dust to settle and more time working.
- Maximise class time by reducing the amount of time spent cleaning up.

*The exposure standard Time Weighted Average (TWA) relates to average airborne concentration of dust when calculated over a normal eight-hour working day, for a five-day working week.

Solutions for every woodworking and metalworking application

Whatever your Institution's metalworking or woodworking application Donaldson Torit DCE has the right equipment for the job. Our extensive range of fume collection products includes flexible weld-fume arms, portable and stationary source collectors, weld bench collectors, and ambient collectors. Donaldson Torit DCE offers numerous baghouse and cartridge style collectors to suit all types of woodworking equipment and the dusts that they generate from fine dust particles to larger wood fibres and chips.



Woodworking Applications: Collectors suitable for softwood and hardwood dusts, fibres and shavings



Metalworking Applications: Collectors suitable for metal welding, grinding, cutting, and polishing activities

We have the right equipment for all your technology class applications



Baghouse Dust Collectors

Cartridge Dust Collectors

Portable and Fixed Fume Collectors

Oil Mist Collectors

Why Donaldson Torit DCE?

Cost-effective

Donaldson Torit DCE dust collectors are designed and built using our exclusive FLUENT computer aided design software for maximum collector performance and efficiency. This reduces your initial capital investment and ensures lower ongoing operating expenses.

Largest Range

Donaldson Torit DCE has the world's largest range of collectors and the most complete line of filter media from which to select the best system to suit your application.

Complete Solution

We provide a completely engineered solution, from initial system design to installation, commissioning and after sales and technical support.

Precision Engineering

Our initial design phase is extremely comprehensive to ensure maximum system efficiency and effectiveness. Each piece of woodworking and metalworking equipment is carefully considered to ensure proper source capture hood design and air velocity is achieved, as well as adequate ducting to attain correct transport velocity.

Industry Experience

For years we have been developing systems for a broad range of woodworking and metalworking applications within schools, and higher education training facilities. We know the tools used, and more importantly, we understand the characteristics of the dusts, fumes and mists generated and how to safely remove them.



Scheduled Servicing

For total peace of mind, we offer a comprehensive service program to ensure the smooth, reliable and continuous operation of your installation. Scheduled servicing is critical to maintaining the peak filtration efficiency of your system while keeping costs and downtime to a minimum. Our program includes scheduled servicing of your equipment, the replacement of filter bags and cartridges, a complete range of spares, and a service register to satisfy stringent legislation.