

## 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 operations dust 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 control system from the people who designed it.

## Service & Maintenance

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 you quickly and ensure minimum loss of production.

## A PARTNERSHIP IN FOOD PROCESSING AND MANUFACTURING



## Engineered for optimum performance



Engine Filtration  
Products



Compressed Air  
Purification



Gas Turbine  
Filtration



PTFE Membrane  
Technologies



Hydraulic  
Filtration



Dust, Fume & Mist  
Collection

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# A Partnership in Food Processing and Manufacturing

## Solutions for every Food Handling, Storage and Manufacturing Application



**Food Material Storage:**  
Unloading, Dumping, Bin venting, Silo venting



**Food Processing & Manufacturing:**  
Mixing, Grinding, Blending, Drying, Coating, Processing



**Food Handling & Packaging:**  
Batching, Conveying, Bagging, Packaging

### Keep factory air and premises clean with a dust control system from Donaldson Torit DCE

For businesses involved in the handling or production of food products, keeping plant air and premises free from dust, mist and fumes, is fundamental to preserving worker health and wellbeing, as well as upholding the stringent cleanliness levels necessary for the provision of high quality food products.

That's why you need a dust collection system from Donaldson Torit DCE. We have the broadest range of dust collectors in the world to select from, so no matter what type of food products you are handling, storing, processing or manufacturing, we can tailor a cost-effective dust collection solution that will improve cleanliness while providing a healthy and safe environment for you and your workers.

## Benefits of Effective Dust Control

### + Protect Employee Health

- Improve worker morale, reduce worker sick-leave and increase worker retention.
- Protect you and your workers from allergic and hypersensitivity reactions, including occupational asthma, caused by the inhalation of dusts from materials such as flour and grains.

### Reduce Fire Hazard

- Flour, grains, and many food additives are explosive, therefore the removal of dust from the handling, storage or manufacturing process to a central collection point greatly reduces fire and explosion hazards and minimises the risk of harm to your workers or loss to your business.

### Meet Government Regulations

Meet the "Exposure Standards for Atmospheric Contaminants in the Occupational Environment 1990" published by Work Safe Australia.

- Grain Dust (oats, wheat, barley) - 4 mg/m<sup>3</sup>\*
- Vegetable oil mists, starch, and sucrose – 10mg/m<sup>3</sup>\*
- General Dust (where no exposure standard has been assigned) – 10mg/m<sup>3</sup>\*

### Maximise Cleanliness

- Adhere to the ANZFA Food Standards Code in relation to cleanliness of premises and equipment.
- Eliminate waste and residue that can cause infestation by vermin and other pests.

\* 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.

Our solutions are engineered for maximum system effectiveness.



## 5 Reasons you need 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 also 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.

### Experienced Engineers

Our initial assessment and design phase is extremely comprehensive to ensure that we specify a system that provides maximum efficiency and effectiveness at a cost that fits your budget.

### We know your business

For decades we have been developing systems for a broad range of applications involving the handling, storage and production of food products. We know the equipment and machinery you work with, and more importantly, we understand the characteristics of the dust generated from these processes and how best to extract it.

## Selecting the Collector that's right for you

### Selection Considerations

- The total air volume required, including any "extra" for possible future expansion of the facility.
- The characteristics of the dust being generated.
- Loading of incoming dust based on daily usage and the resulting method of handling or storing the collected dust.
- The required efficiency based on regulation demands or reclamation desires.

### Sizing Considerations

- Maximum air-to-media ratios (AMR). Calculated by dividing the airflow by the square footage of filtration media.
- Can velocity (The velocity of upward air in a collector which has an inlet below the filter elements).
- Media type. These are selected based on agglomertiveness, abrasiveness and fineness of dust.
- Dust collector location, including space constraints (footprint and height restrictions).