

DUST, FUME & MIST

COLLECTORS, FILTERS & REPLACEMENT PARTS











THE MARKET LEADER

FOR LONG-TERM VALUE

For decades, Donaldson Torit® has offered manufacturers advanced and reliable dust, fume and mist collectors and filters engineered to provide outstanding filtration efficiency and energy savings. The pairing of these industry-leading collectors and filters helps increase manufacturing efficiencies and cleaner environments for employees.

When efficiency is maximised and employees are at their peak, so it the manufacturer's productivity - and ultimately, its bottom line. Donaldson Torit products can help safeguard that bottom line with innovative collectors and filters, expertly engineered by its unparalleled team of R&D engineers to provide long-term value, rather than short-term savings.

No other dust collection manufacturer can match Donaldson Torit's filtration solutions in delivering clean air.

SUPERIOR PERFORMANCE

Integrated collectors and filter media work together to offer the highest levels of efficiency and maximise productivity.

ADVANCED TECHNOLOGY

As the inventor of the cartridge collector, Donaldson® Torit® has led the way for continuous innovation with award-winning products such as Torit® PowerCore® dust collectors and filter packs.

Proprietary Ultra-Web nanofibre filter media - the first of its kind - was developed by Donaldson. On the market for three decades, this media technology increases filtration efficiency and simplifies maintenance.

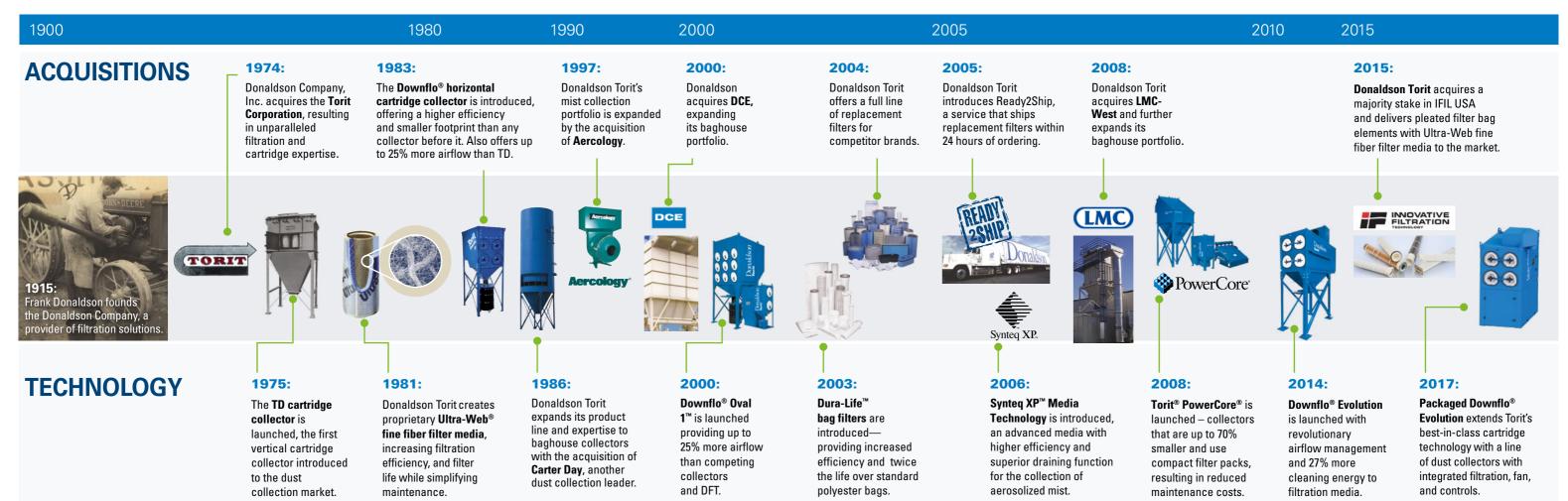
RELIABILITY

The leading worldwide provider of advanced filtration technology for over 100 years.

CUSTOMER SUPPORT

Unmatched service and support at all stages - from up-front engineering to knowledge field resources to after-sales service. Worldwide support to provide customers with advanced solutions and services, no matter the location.

CONTINUALLY EVOLVING FILTRATION SOLUTIONS



TORIT® POWERCORE® COLLECTORS

SMALLER, SMARTER,

Torit® PowerCore® dust collectors with PowerCore® filter packs solve the industry's need for better filtration, reduced operational cost, a smaller footprint and easier maintenance. Less steel and oil are required to manufacture and transport collectors that are 50 - 70 percent smaller than traditional collectors. Clean-side filter pack access and fewer, lighter filter packs mean faster, easier filter changes without tools or filter cages. An optimised airflow management system delivers optimal pulse cleaning while maintaining airflow restriction. Also, collectors are shipping with filter packs installed.

Additionally, smaller sized Torit® PowerCore® collectors can eliminate the need for complicated ductwork or large, energy-consuming central dust collection system. With greater flexibility, manufacturers can now optimise space on the plant floor while containing costs. Innovative PowerCore® filtration technology means reduced freight and installation costs, fewer filter pack change-outs, lower maintenance costs, and no entry requirements for filter pack changes.



(8,500 m³/hr collectors) Torit PowerCore CPC-12 (12 filter packs) vs. Traditional Baghouse (81 filters)



(2,550 m³/hr collectors) Torit PowerCore CPV-3 (3 filter packs) vs Traditional Bin Vent (16 filters)

CP SFRIFS

CPC

CPV

(1,189 - 56,067 m³/h) (700 - 33,000 cfm)

(764 - 13,931 m³/h) (450 - 8,200 cfm)

A stand-alone collector that can be ducted to many different applications including grain, wood dust, plastic cutting, and food.

Tool-free filter change-out accessed on the clean side of the collector is faster and easier than a traditional baghouse collector

Bin vent collector designed for use in material-handling applications - even in tight spaces - including silos, conveyor transfer points, conveyor discharges, blenders, and mixers.

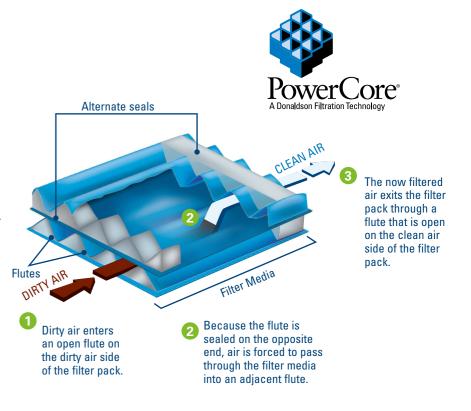
POWERCORE® MEDIA TECHNOLOGY

LEADING THE WAY WITH POWERCORE

PowerCore® media technology is integral to the dramatic downsizing of the Torit® PowerCore® collector. PowerCore® filter packs combine Ultra-Web® nanofibre technology with Donaldson's media configuration expertise, creating a new filtration structure unlike anything else in the industrial air filtration market. As a result, a more effective filtration area is packaged into smaller spaces. And just one Torit® PowerCore® filter pack replaces multiple cartridge or bag-style filters. With more media packed into a smaller space and a simplified airflow path, PowerCore® filter packs provide high performance with a low pressure drop.

HIGH PERFORMANCE FILTER MEDIA

- One Torit PowerCore filter pack replaces multiple cartridge or bag-style filters
- Fast and easy filter pack changes
- Reduced maintenance
- High filtration efficiency for reduced emissions
- Reduced freight & installation costs
- Technology proven in field applications for more than 10 years





REPLACES¹⁵





2.4 m (8-ft.) long bag filters

TG filter pack



cartridge filters

4 Donaldson Torit

CARTRIDGE COLLECTORS

THE INVENTOR OF THE CARTRIDGE COLLECTOR

As the inventor of the cartridge collector, Donaldson® Torit® has led the way with continuous innovation, such as the award-winning Downflo® Oval dust collection technology. No other manufacturer comes close to matching the innovation and breadth of technical expertise that Donaldson Torit incorporates into its cartridge collectors.

Donaldson Torit engineers its cartridge collectors to capture the broad spectrum of dust particles that can inhibit the production environment. From portable to central collectors, to sources and ambient collectors, to booth-type collectors and weld benches. Donaldson Torit provides the most complete range of cartridge collectors that cost-effectively enhance productivity and manufacturing efficiency.



Downflo® **Evolution**



Integrated Downflo[®]



Downdraft Downflo® Bench



Workstation Oval



Downflo®



AT-300, T-2000™ Easy-Truck™ Weldhench **Extraction Arms**

(750 - 80,000 cfm)

(300 - 3,500 cfm)

The DFEI is

(600 - 3,000 cfm)

(1,189 - 5,096 m³/h) (1,000 - 6,000 m³/h) (1,000 - 5,100 m³/h) (7,644 - 37,370 m³/h) (153 - 173,262 m³/h) (4.500 - 22.000 cfm) (90 - 102.000 cfm)

T-2000 (1,512 m³/h) (890 cfm)

Weld Bench

(3,397 - 5,096 m³/h) (2,000 - 3,000 cfm)

The DFE is a smaller cartridge collector with fewer filters. Airflow management directs incoming air to an intelligent dropout zone for reduced filter loading, and MaxPulse™ Cleaning System with a triagonal filter delivers 27% more cleaning

media.

a integrated Downflo® **Evolution dust** collector equipped operations. with Torit® Ultra-Weh® Flame Retardant (FR) cartridge filters, integrated fan pack, optional Spark Trap and Torit Delta P-C01 contoller with a variety of cleaning options and energy to filtration connectivity with other equipment.

Self-contained dust collector bench for grinding and finishing

Designed specifically for in-plant areas where dirty and/or noisy operations are out in the open - grinding, sanding, chipping, batch mixing or welding.

DFO is a one-ofa-kind series of cartridge collectors mount, selfwith oval-shaped filter technology proprietary filter media and pulse cleaning that provides up to 25% more airflow capacity than same-sized round cartridge collectors. capture velocity

AT-3000 ceilingcontained source collectors capture fume generated in moderate-toheavy welding applications.

T-2000 and

provides high that assures fume capture and for extraction arms

Weld bench eliminates the need

Offering compact, portable filtration of smoke, dust and fumes that result from welding and grinding applications, Easy-Trunk provides built in manual pulse filter cleaning.

(1,274 - 1,325 m³/h)

(750 - 780 cfm)**

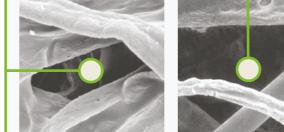
ULTRA-WEB® MEDIA TECHNOLOGY

THE INVENTOR OF ULTRA-WEB

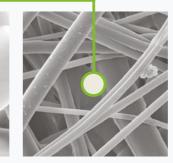
Proven for 30 years, advanced and improved many times over, proprietary Ultra-Web is the nanofibre media technology that outperforms all others; it delivers longer filter life, cleaner air, and greater savings.

Donaldson® Torit® offers a complete line of Ultra-Web cartridge filters that last twice as long as or more than commodity cellulose and cellulose/synthetic (80/20) blend media's. The Ultra-Web surface-loading technology is scientifically proven to provide a lower operating pressure drop over a longer period of time, which allows the filter to last longer while requiring less energy.





CELLULOSE



CELLULOSE/ SYNTHETIC

SPUNBOND

MELTBLOWN

1 micron = 0.001 mm

Ultra-Web nanofibre media is the most optimised and cost-effective choice available for most all dust and fume collection applications.

Experience the Ultra-Web advantage:

- Increased surface loading
- Enhanced dust cake release
- Better cleaning efficiency
- Lower cost per cfm
- Available for all popular brands of dust collectors



ULTRA-WEB 3 DECADES OF LEADERSHIP **& OVER 5 MILLION FILTERS SOLD**

BAGHOUSE COLLECTORS

THE RIGHT BAGHOUSE FOR THE APPLICATION

Donaldson® Torit® offers a complete line of dependable, rugged baghouse dust collectors ranging from small Cyclones and Unimaster® collectors that handle as low as 120 cfm to large RFs and LPs that handle up to 197,000 cfm. Donaldson Torit also offers unique collectors like the Dalamatic®, which feature envelope-shaped bags for improved pulse cleaning of especially challenging dusts, and clean side access to filters to make change-outs easier.

In addition to offering the best baghouse on the market, Donaldson Torit continually develops industryleading technologies such as Dura-Life™ bag filters that provide longer filter life, increased efficiency, and reduced operating costs.



RF AND LP **BAGHOUSE**

(3.397-334.634 m³/h) (2,000 - 197,000 cfm)

The award-winning RF and LP are larger baghouses that combine cyclone style perseparation and baghouse filters in one collector. They also provide noncompressed air cleaning. The RF uses low pressure cleaning while the LP uses reverse air cleaning.

UNIMASTER

(204 - 16,987 m³/h) (120 - 10,000 cfm)

The UMA is a complete unit that is suited for intermittent duty applications where compressed air is not available. This unit uses a superior shaker design to clean the bags for optimized airflow. Everything needed is packaged in one compact unit (including fan and controls). and transfer point



(289 - 144,385 m³/hr) (170 - 85,000 cfm)

applications.

The Dalamatic line The IRD is an of collectors uses envelope-shaped bags that provide extra snap during pulsing for use in especially challenging complete with fan, dust applications. The DLMC is a stand-alone collector with hopper, while the DLMV comes without hopper for let it go. use in bin venting

economical, continuous duty collector for wood dust applications. This easy-to-install collector, comes with everything needed to start clearing the air. Just assemble, hook up ductwork and

IRD DUST

(2,293 - 8,493 m³/hr)

(1,350 - 5,000 cfm)

COLLECTOR

Designed for fast, easy installation and simple, reliable dust collection, Modular Baghouses provide high performance filtration in applications with high air volumes and heavy dust loading

MODULAR

BAGHOUSE

(1.953 - 110.412 m³/hr)

(1,150 - 65,000 cfm)

DURA-LIFE™ FILTER MEDIA TECHNOLOGY

TWO BREAKTHROUGH FILTER OPTIONS FOR YOUR **BAGHOUSE**



DURA-LIFE FILTER BAGS PROVIDE TWICE THE LIFE OVER STANDARD POLYESTER BAGS

Traditional 16 oz polyester bags are produced via a needling process that creates larger pores where dust can embed into the fabric, inhibiting cleaning and reducing bag life. Dura-Life bags are engineered with a unique hydroentanglement process that uses water jets to blend the fibers. This process creates a felt with smaller pores which keeps more dust on the surface of the filter resulting in better pulse cleaning and longer bag life.



DURA-LIFE BENEFITS

- Up to two times longer bag life
- Energy savings due to lower pressure drop
- Reduced replacement bag and maintenance costs due to longer bag life

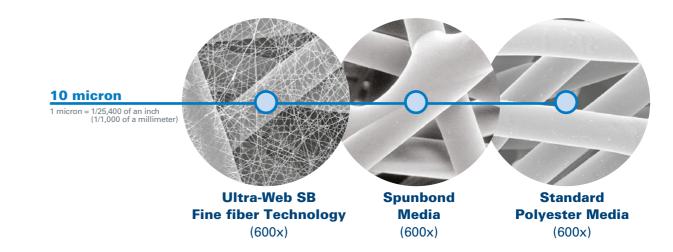
PLEATED BAGS WITH ULTRA-WEB SB PROVIDE LONGER LIFE AND REDUCED **EMISSIONS**

For more than two decades, Donaldson Torit has advanced the proven Ultra-Web fine fiber technology. Ultra-Web provides a very fine, continuous fiber of 0.2-0.3 micron in diameter to form a web-like net that traps dust on the surface of the media. Combining Ultra-Web technology with a sturdy spunbond polyester substrate, Ultra-Web SB pleated bag filters provide longer life, reduced downtime and reduced emissions.



ULTRA-WEB SB PLEATED BAG BENEFITS

- Up to two times longer filter life
- Energy savings due to lower pressure drop
- Reduced maintenance and downtime costs
- Reduced emissions



MIST COLLECTORS

A COMPREHENSIVE RANGE

High performance mist collection is a must for manufacturers that generate coolant and machining oil mist in their applications. Uncollected mist leaves condensation and residue on floors, machines, walls and ceilings, creating a potentially unsafe and unclean manufacturing environment.

Donaldson® Torit® provides a comprehensive range of mist collectors, each providing the peace of mind manufacturers need to be productive and efficient.

Rely on Donaldson Torit for the most advanced mist collection technology.



WS0 LONGEST LIFE OPTION

(764 - 9,428 m³/h)

(450 - 5,550 cfm)

plant requirements.

MODULAR MEDIA FILTER™

(1,699 - 10,192 m³/h)

(1,000 - 6,000 cfm)

MINI-MIST

(510 - 2,038 m³/h) (300 - 1,200 cfm)

(170 - 1,699 m³/h) (100 - 1,000 cfm)

WSO mist collector is the Modular MediaFilter provides only collector that filters three types of mist (water, smoke, oil) in one collector - simply by tailoring the filter. Designed to collect water-soluble coolant, die casting and soldering. straight oil, and the most Available in vertical and challenging - oily smoke horizontal models, Modular from a variety of machining MediaFilter collectors are operations and other industrial expandable to adapt to processes. The WSO design has several configurations such the cost of a new filtration as machine mountable, stand mount, ducted cellular and central system to meet your

flexible, high performance mist collection for applications such as grinding, wet grinding, wet machining, rubber machining, changing needs such as smoke, dust and fume filtration, saving

Designed to collect coolant mists from CNC machining, grinding, turning, milling and drilling operations, compact Mini-Mist collectors are effective alone or can be integrated into larger machining operations.

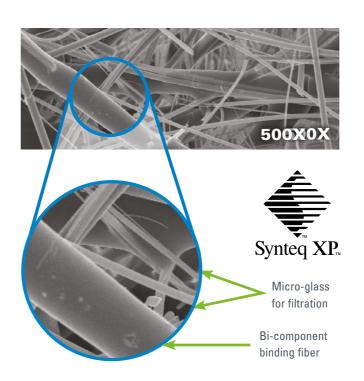
Centrifugal collectors offer compact, high efficiency and economical mist collection. They can be used to reclaim mist in applications that process petrochemicals or synthetic coolants. They are particularly effective at handling very heavy mist loading concentrations.

CENTRIFUGAL

SYNTEQ XPTM MEDIA TECHNOLOGY

ADVANCED FILTER MEDIA FOR MIST

Proprietary Synteg XP is a revolutionary and proprietary media for mist collection that provides higher efficiency, low operating pressure drop, and longer filter life when compared to traditional media.



During the media manufacturing process, the surface of the binding fiber is heat fused to make it bond to the surrounding micro-glass – no resin webbing to block pores.

SYNTEQ MEDIA WITH **RESIN-FREE BINDING FIBRES**

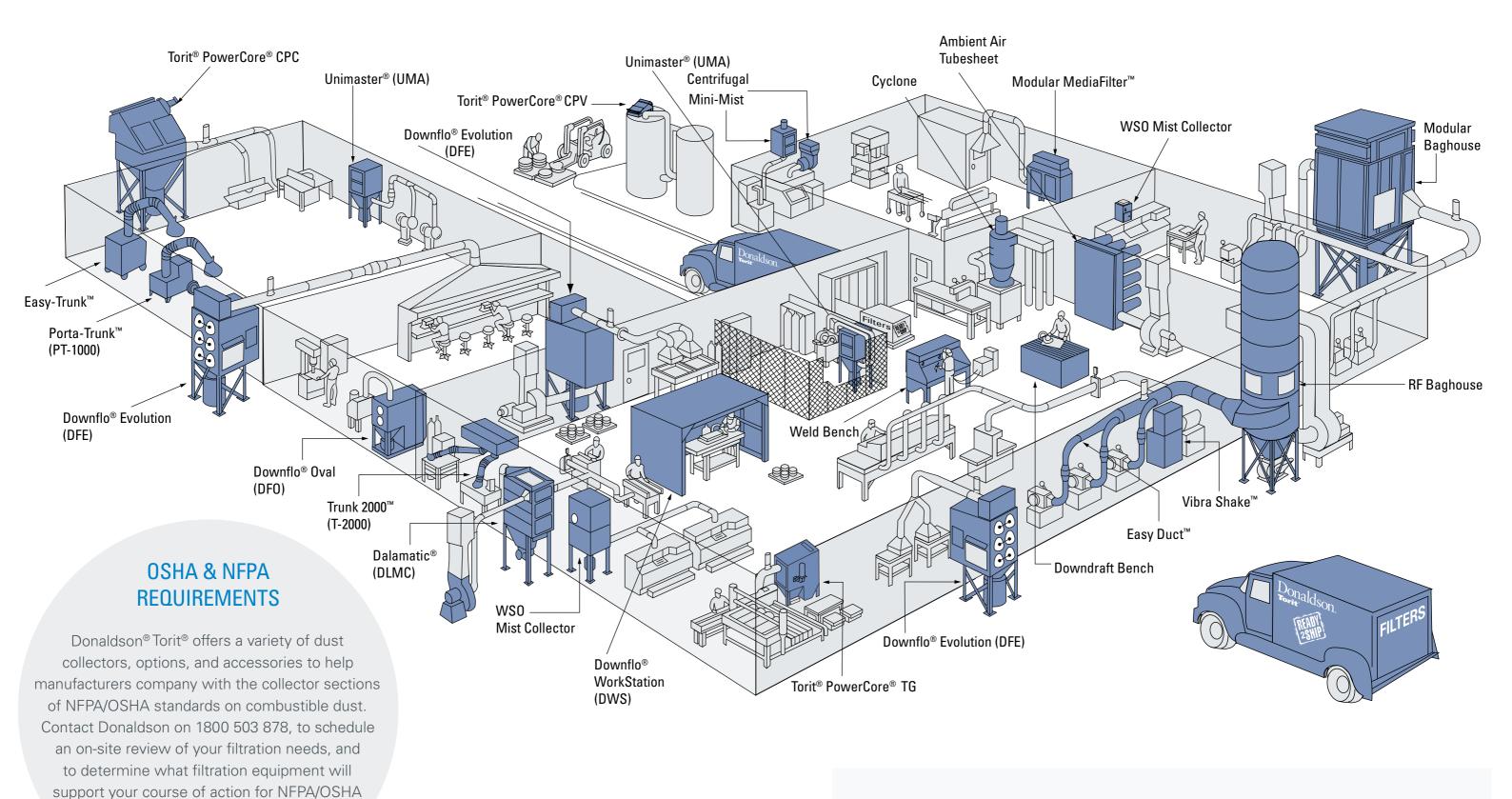
- Fast and easy filter pack changes
- Engineered blend of small and large fibres, with proprietary, resin-free bonding system
- Small fibres are scientifically proven to increases efficiency through superior draining
- Large fibres provide structural support and clear drain channels to sustain performance in the most challenging applications
- Proprietary bonding system stabilises pore structure for optimum performance and longer life
- Available for many brands of mist collectors



A RANGE OF COLLECTORS

HELP PROTECT YOUR BOTTOM LINE

compliance on combustible dust.



When employees are at their peak, so it productivity - and ultimately, a manufacturer's bottom line. Collectors and filters, expertly engineered by Donaldson Torit's unparalleled team of R&D engineers, provide long-term value rather than short-term savings.

METAL WORKING APPLICATIONS



TG on Plasma Cutting 3,9000 m³/h (2,3000 cfm)



DFO on Grinding 125,700 m³/h (74,000 cfm)



DFO on Laser Cutting 5,266 m³/h (3,100 cfm)



TG on Plasma Cutting 5,775 m³/h (3,400 cfm)



DWS on Custom Hand Grinding 65,398 m³/h (38,500 cfm)



DFO on Plasma Cutting 8,493 m³/h (5,000 cfm)



DFO & CYCLONE on Thermal Spray 8,154 m³/h (4,800 cfm)



DFO on Metal Grinding 52,658 m³/h (31,000 cfm)





DFO on Welding Fumes 90,028 m³/h (53,000 cfm) Left: outside Right: inside



DFO on Thermal Spray 14,439 m³/h (8,500 cfm)



DFO on MetalisingPowder Flame
34,822 m³/h (20,500 cfm)

MIST APPLICATIONS



DMC on Machining 1,359 m³/h (800 cfm)



DMC on Wet Machining 662 m³/h (390 cfm)



DFE on Rubber Hose Cutting 4,757 m³/h (2,800 cfm)



PROCESSING/POWDER & BULK APPLICATIONS

DFO on Paint & Pigment 2,038 m³/h (1,200 cfm)



DFO on Plastics Routing 27,184 m³/h (16,000 cfm)



WSO on Oil Mist 33,973 m³/h (20,000 cfm)



WSO at M3 Achining Centre 2,038 m³/h (1,200 cfm)



WSO - Horizontal Grinder 1,444 m³/h (850 cfm)



CPC on Milk Powder 2,038 m³/h (1,200 cfm)



MB on Glass Processing 42,466 m³/h (25,000 cfm)



DWS on Granite Finishing 37,370 m³/h (22,000 cfm)





Modular Mediafilter™ on Grinding 3,397 m³/hr (2,000 cfm)

WSO on Cold Forming 2,038 m³/h (1,200 cfm)



DLMC on Paper Dust 45,864 m³/h (27,000 cfm)



DLMC on Rock Crushing 69,645 m³/h (41,000 cfm)

GRAIN & NUT APPLICATIONS



LP on Almond Dust 509,595 m³/h (300,000 cfm)

LP on Nut Dust

475,622 m³/h (280,000 cfm)



RF - Grain Terminal 57,754 m³/h (34,000 cfm)



CPV - Direct Bin Venting Distribution Head 4,077 m³/h (2,400 cfm)



CPC - Grain Tipper Conveyor 31,765 m³/h (18,700 cfm)



RF - Grain Terminal 103,618 m³/h (61,000 cfm)



DFO on Corn Husking & Sorting 48,412 m³/h (28,500 cfm)

CEMENT APPLICATIONS



CPV - Pneumatically Filled Storage Bin 2,038 m³/h (1,200 cfm)



CPV - Feed Hopper 595 m³/h (350 cfm)

CPV - Weight Belt Feeder 1,359 m³/h (800 cfm)



CPV - Multiple Cement Silos 8,154 m³/h (4,800 cfm)



CPV - Multiple Cement Silos 8,154 m³/h (4,800 cfm)



DFO - Concrete Roof Manufacturer 5,096 m³/h (3,000 cfm)



CPV - Bucket Elevator 2,038 m³/h (1,200 cfm)

WOODWORKING APPLICATIONS



UMA - School Wood Shop 3,397 m³/h (2,000 cfm)



DFO on Sawdust 97.692 m³/h (57.500 cfm)



CPC - Furniture Manufacturing 9,173 m³/h (5,400 cfm)



LP on Wood Dust 271,784 m³/h (160,000 cfm)



IRD - Wood Shop 8,493 m³/h (5,000 cfm)



FS on Woodworking 33,973 m³/h (20,000 cfm)



RF - Cabinet Shop 82,385 m³/h (48,500 cfm)

ORIGINAL EQUIPMENT MANUFACTURERS

CUSTOM SOLUTIONS FOR OEMS

OEMs have come to rely on Donaldson® Torit® to solve their filtration issues. Donaldson Torit offers flexible solutions customised to OEMs across a wide range of industries.

Donaldson Torit's reputation has been built on its problem solving, quality solutions, and commitment to customers' satisfaction even after the sale. And Donaldson Torit's worldwide network allows it to provide local support that's responsive and comprehensive - no matter where it's needed.

A dedicated team of OEM account managers and engineers stands ready to solve even the most complex filtration issue.



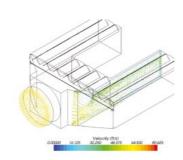
MOBILE MINING APPLICATION

Donaldson Torit can design solutions to accommodate customer space constraints and integrate additional filtration technologies tailored to customer needs.



RAIL GRINDING

Custom designs that accommodate unique customer space constraints are available.



AIRFLOW MODELING, ABRASION MODELING

Only Donaldson Torit provides sophisticated engineering analysis tools to ensure proper airflow management, extended filter life, and reduced maintenance costs.



PLASMA CUTTING

Donaldson Torit engineers can provide a unique, integral pre-separator for spark reduction in laser and plasma cutting.



RF - Wood Furniture Facility 684,556 m³/h (403,000 cfm)

ANCILLARY PRODUCTS & REPLACEMENT PARTS

COMPLETING THE FILTRATION SYSTEM

Donaldson Torit understands that high performance dust, fume and mist collectors are just the first step in keeping plants cleaner and more productive. Donaldson Torit's high performance ancillary products quickly and cost-effectively complete the system, whether a manufacturer is installing a new filtration system or expanding an existing filtration line.



DUCTING

Donaldson Torit supplies a comprehensive range of ducting for any manufacturing and industrial applications.



STI PLUS PLUSE TIMER RANGE

STi Plus Basic and STi Plus ODC TC timers are a key element of dust collector maintenance, measuring pressure drop across the filters to determine when servicing is needed. Recommended for all continuous-duty dust collection systems, STi Plus and STi Plus ODC-TC controllers monitor pressure drop so that filters are cleaned only when necessary, reducing compressed air usage and prolonging filter



HEPA & 95% DOP FILTERS

Providing a high filtration efficiency of 99.97% at 0.3 microns, HEPA filters can be used as after-filters for dust, fume and mist collection. Also available are panel filters with 95% DOP media or 95% ASHRAE media.



ROTARY VALVES

Rotary Valves offer an economical solution for automated handling of most discharge dust. Available in three models: high pressure, low pressure, and sweeper valves. Rotary valves provide continuous dust disposal that keeps hoppers and collectors operating at peak performance, thereby reducing dust collector maintenance time and cost.



FANS

Donaldson Torit provides various kilowatt centrifugal clean air side exhaust fans. The fan mounts directly to the clean air plenum of the dust collector, eliminating costly transition ducting.



CAGES

Replacement cages are available for Donaldson Torit baghouse collectors as well as many other popular makes and models. Cages are available in galvanised or stainless steel for ambient, high temperature, or highly corrosive environments.

REPLACEMENT FILTERS

COMPREHENSIVE OFFERING FOR A VARIETY OF EQUIPMENT BRANDS





- AZO®
- Buhler
- Carter Day
- DCE
- Flex-Kleen
- Golfetto
- Kice
- MAC
- MikroPul
- Murphy
- Pneumafil
- Steelcraft[®]
- Wheelabrator
- + Many others



ULTRA-WEB[®]

for cartridge collectors

- AAF®
 - Aercology[®]
 - Airflow® Systems
 - Clemco[®]
 - Environmental Systems Designs
 - Farr
 - Geoff
 - MAC
 - Micro Air®
 - Nordson
 - Pneumafil
 - Robovent®
 - Steelcraft®
 - Trion®
 - UAS®
 - Wheelabrator
 - + Many others



online ordering tool.









Industry-Leading Technology

- Advanced filtration technology for optimal performance
- Reduced energy consumption and cost of ownership
- Advanced design and testing capabilities

The Most Filters and Parts

- For every brand and style of collector
- Wide range of filtration media for any application
- 90,000 filters and parts in stock and ready to ship

Unparalleled Support

- Live technical specialists
- Comprehensive pre- and post-sale support
- 40 manufacturing plants and 14 distribution centers worldwide

Significantly improve the performance of your collector with genuine Donaldson Torit replacement filters and parts. Call Donaldson Torit at 1800 345 837 AU | 0800 743 387 NZ.

Important Notice
Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.



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