GLOBAL CAPABILITIES  A CLEANER WORLD FOR INDUSTRY
At Donaldson, we are helping create a better world by developing innovative filtration solutions that protect the environment, increase efficiency and maximize performance for our customers and their equipment.

As a leader in the filtration industry, we serve a broad range of global industries—from electronics manufacturing in Asia, to power generation plants in the Middle East, to agricultural applications in the Americas. And we are committed to advancing our manufacturing and logistic processes in order to keep Donaldson quality and reliability well above industry standards.

In a better world, things would be cleaner, more efficient and more productive for everyone. At Donaldson, we continue to solve customer problems with products and solutions that make a difference, moving one step closer to a better world tomorrow.
Donaldson serves a diverse, broad range of global industries.

Our products and innovative technologies are used every day around the world, in some of the most unexpected places. They help our customers:

- Build roads, bridges, structures and homes.
- Produce and provide safe drinking water, food and other beverages.
- Grow and harvest food and other crops.
- Help people live more comfortably and independently via hearing aids, ostomy bags and other medical devices.
- Build planes, trucks, cars and ships, transporting people and products.
- Clean the air we breathe.
- Produce and conserve electricity used around the world.

We have helped customers solve complex filtration problems for over 100 years, and with our industry-leading resources, technologies, people and products, Donaldson will continue to improve people’s lives, enhance equipment performance and protect our environment, today and tomorrow.
Our passion is meeting the ever-changing needs of our filtration customers.

For more than 100 years, generations of dedicated Donaldson employees have provided solutions that help improve people’s lives, enhance equipment performance and protect our environment. Many customers have relied on our filtration solutions for over half a century, and we partner with new customers nearly every day.

While Our Expertise is Broad and Extensive, Our Attention is Sharply Focused
We dedicate ourselves to meeting the unique needs of each customer. Our sales, engineering and customer service teams are comprised of industry experts who are committed to understanding and anticipating customers’ needs—both in the lab and in the field—and working with them to develop the right filtration solutions.

Products Backed by Experience
Our global network of scientists and engineers are continuously developing next-generation products and services to solve complex filtration and contamination control challenges. With over 1,400 active patents and cutting-edge material and product designs, our industry expertise is unparalleled.
Industry Firsts and Revolutionary Technology
Donaldson is recognized in the industry as a pioneer in fine fiber technology. For over two decades, we have manufactured and tested filter elements using fibers less than a micron in width.

In the transportation market, where environmental regulations and a demand for improved aerodynamics compel manufacturers to minimize size and weight while optimizing air intake, our research and development efforts have resulted in filters and filtration systems that are smaller, lighter and more efficient. And our resin-free bonding techniques in filter media have dramatically increased collection efficiency while managing operational costs.

Our record of innovation is supported by a long list of filtration firsts—we are constantly pushing the boundaries with the kind of discovery and advancements that will keep us leading the industry.
Global Footprint Advantage

We are strategically located, with filtration experts available in your local market and around the world.

With a diverse and skilled employee team working at over 140 locations on six continents, Donaldson delivers both the extensive resources of an international firm and the personalized customer service of a local firm.

We understand our customers’ filtration needs and provide a global infrastructure to support operations around the world—from technical centers and labs to sales support, manufacturing and distribution.
Donaldson offers the most advanced engine and equipment filtration products.

The proof is in the performance. Every day, our products are put to the test, optimizing filtration performance and managing costs for customers around the globe.

**Filter Media Expertise**
In part, our success is due to the fact that we have—quite literally—the right stuff. At Donaldson, we have developed a broad variety of innovative filtration media, products and systems that beat the competition in specialized applications, including difficult environmental conditions and extremes in temperature, moisture, chemistry and viscosity. And we continually advance new and next-generation products to meet ever-changing filtration requirements.

**Accelerated Product Development (APD) Process**
Our original equipment (OE) and aftermarket programs follow a stage-gated process that integrates sales, engineering, manufacturing and logistics to deliver filtration solutions to customers quickly and efficiently.
Liquid Filtration Systems
Global emissions regulations, alternative fuels and end-user demands have a major impact on engine designs and, consequently, on fuel, lube and coolant filtration systems.

Donaldson provides modular solutions that can be customized to a variety of applications. Our innovative Synteq™ and Synteq XP™ media technologies deliver enhanced filtration performance, improving diesel engine, hydraulic pump, control valve, actuator and bearing system protection.

Air Filtration Systems
Since our founding, we have pioneered the development of major advancements in heavy-duty engine air filtration. For example, our PowerCore® G2 technology is 60% smaller than conventional cellulose options. This "big performance in a small footprint" does more than establish new performance standards—it frees up space for other engine and emissions components.
Our aftermarket products maximize uptime by keeping equipment running and working harder.

Donaldson replacement products meet stringent quality standards. They are durable, reliable and built to last.

**Award-Winning Service and Fulfillment Standards**

Our global distribution network meets the needs of customers around the world, delivering products where and when they are needed. And our streamlined delivery and tracking process saves money, minimizes downtime and increases productivity.

**Technology Innovator**

Donaldson continuously develops new technologies and products to address the world’s changing filtration needs. Revolutionary innovations include Ultra-Web® nanofiber media for air filtration, Synteq media for lube and coolant filtration and Synteq XP media for fuel filtration. These proprietary media technologies capture more contaminant than standard cellulose filters, leading to better engine protection, lower maintenance costs and longer engine life.
E-Commerce Tools
Our specialized online tools make it easier to find the appropriate replacement part, view detailed product information, place orders and track shipping. These processes and systems allow convenient access, and efficient and accurate communications.

Global Distributors and Dealers
Donaldson’s replacement products are also available through select authorized independent and original equipment distribution outlets throughout the world. Our distribution centers are strategically located to quickly and accurately deliver filtration and exhaust products wherever replacement products are needed. We work with a network of transportation, third party logistics companies, consolidators and cross-docking facilities to meet or exceed our customers requirements. To find a distributor near you, visit www.donaldsonfilters.com.

Find Your Filter!
Hydraulic Filtration

Donaldson filters and accessories reduce a broad range of contaminants, keeping sophisticated equipment running smoothly and efficiently.

Sensitive hydraulic circuits are vulnerable to a variety of contaminants that can cause inefficiencies, downtime and excessive repair costs. Whether they function outdoors on mobile equipment or inside a manufacturing plant, hydraulic components need clean hydraulic and lubrication oil for maximum life and optimal productivity.

Comprehensive Product Line
Donaldson offers a full line of hydraulic and transmission solutions, including our proven Duramax® filters and Synteq XP media technology, to help protect critical components and maintain peak performance.

Our low, medium and high pressure hydraulic assemblies, housings, heads, filters and accessories can be found in thousands of applications around the world.

Mobile and Industrial Filters and Accessories
Customers can rely on our ability to supply replacement filters—we have a large selection stocked and ready to ship. Access Donaldson’s dynamic search catalog at www.catalog.donaldson.com.
Our systems help prevent costly component replacement and minimize equipment downtime.

Donaldson’s three-step philosophy—clean, protect, polish—helps protect your fuel and lubricant investment from delivery to final point of use.

With the increase in diesel injection pressures on engines and the sophistication of plant machinery, higher fuel and fluid cleanliness levels are a requirement in today’s equipment.

**Bulk Filtration**

Dirt and water are the enemies of fuels and lubricants, robbing vehicles and equipment of performance and longevity. Removing contaminants with bulk filtration prior to pumping fluids into equipment allows on-board filtration systems to do their job better, while supporting the advanced fuel system technology required to meet today’s strict emissions regulations. We are an integral partner for our customers’ contamination control strategies. With a wide array of bulk fluid filtration products, coupled with expertise in system design and best practices, we can reduce operating costs, and help equipment Keep Running™.
We are leading the way to a cleaner, quieter world with some of the most advanced control solutions.

Since 1952, we have led the way in the development of emissions systems, including mufflers, acoustic components and accessories. We utilize a variety of noise attenuation, flow distribution, thermal management, durability and system integration technologies to develop market leading products.

Our record for innovation includes the development and optimization of complex catalytic aftertreatment systems, design and integration of dosing and mixing systems, software for on-board diagnostics and the elimination of crankcase emissions.

The Complete Package for Original Equipment Manufacturers (OEMs)
Donaldson partners with off-road engine OEMs to develop durable and cost-effective solutions for diesel applications. With decades of experience in the reduction of Particulate Matter (PM) and Nitrogen Oxides (NOx), we employ market-leading practices in the areas of thermal management, urea mixing and deposit prevention to ensure compliance with the most stringent standards.

As ever-evolving global guidelines continue to affect the way engine and equipment manufacturers handle emissions for both on- and off-road applications, emission control devices have become an integral part of most diesel engines. Early versions of these devices were large and cumbersome and were either strapped to the engine under the hood or tucked away behind the cab;
the large, "garbage can-sized" devices often required creative engineering to build around. With underhood space at a premium, there is a distinct need for a smaller, less-intrusive emissions system.

The All-In-One Compact After-Treatment Emissions System
Donaldson’s proprietary design offers a reduction in size, weight and cost when compared to equivalent systems, and our technology employs a unique system that thoroughly mixes the engine’s exhaust gases with Diesel Exhaust Fluid (DEF). This process, called Selective Catalytic Reduction (SCR), is an efficient way to turn nitrogen-oxide emissions into harmless nitrogen and water.

Our advanced system lets modern diesel engines meet current emissions regulations in North America and Europe without compromising power, efficiency, maintenance, ground clearance or visibility.
Aerospace and Defense

In the most demanding, critical environments, Donaldson delivers.

Our deep understanding of the aerospace and defense industries, coupled with innovative products and customer support, have resulted in filtration solutions that meet the stringent demands of those who operate ground vehicles, airplanes, rotorcraft, space and marine vehicles.

**Total Filtration Systems and Products**
We offer a full line of filtration products for hydraulic systems, main and auxiliary engines and coolant systems for today’s engines and systems that run at higher temperatures, at minimum weight and require optimum filtration performance.

**Breakthrough Technologies**
Our innovative filter media delivers greater efficiency, more capacity, maximum protection and longer service life. Just as customers adopt new equipment and technologies, Donaldson continuously develops filtration solutions that meet or exceed customers’ high performance standards in operational arenas throughout the world.
Keeping Equipment, People and Systems Safe

Airborne dust and particles can cause serious damage to main and auxiliary engines, electronics, radar systems and pneumatic systems. Donaldson air filtration and exhaust systems—based on market-leading technology and field experience in the harshest environments—help ensure that critical equipment performs when and where it is needed.

These essential filtration systems also improve air quality in aircraft cabins; protect people and equipment from particulate and chemical contaminant; help reduce component wear; improve performance; and lengthen engine and equipment life.
Compressor Filtration and Separation

Our advanced technology in air and liquid filtration and air-oil separation ensures reliable compressor performance and reduced operating costs.

Compressed air is often considered the fourth utility for industry, as it is used anywhere there is a need for a safe, reliable energy source. Donaldson, the industry leader in filtration solutions, can help achieve superior compressor performance.

Industry-Leading Products and Processes
We offer customers total filtration and separation solutions for the reliable and economic production of compressed air.

Our mobile and stationary compressor solutions include air intake filters and housings, air/oil separators and lube filters. Utilizing sophisticated engineering and analytical tools, we can tailor comprehensive filtration solutions to customers’ specific product requirements.
We offer state-of-the-art machine tool, instrumentation and control, and spraying air filtration solutions.

Donaldson has over 40 years of expertise in compressed air filtration and separation, and we manufacture a complete line of drying and filtration equipment with innovative, cutting-edge designs.

Reliable Performance, Reliable Results
With energy-efficient operation and dependable performance, our equipment increases productivity, saves energy and lowers operating costs for the air volume that fits an operation’s needs.

Manufacturing plants depend on dryers to improve compressed air and gas quality throughout their facilities. Our time-tested regenerative adsorption dryers help deliver clean, dry air in even the most extreme conditions.

Donaldson Ultrafilter™ filtration products significantly reduce pressure drop compared to conventional filters and deliver unrivaled performance, efficiency and ease of use.
Donaldson filtration solutions purify liquids and process water, steam, compressed air and technical gases in some of the world’s most regulated markets.

As one of the manufacturers and specialists in process filtration, we have built a comprehensive engineering, manufacturing and customer support network providing filters that meet our customers’ demanding application requirements.

Food, Beverages and More
Our extensive menu of liquid, sterile air and culinary steam filtration products are among the most effective and preferred filters used in the food and beverage industries. Donaldson’s membrane and depth process elements are also widely used in electronics, pharmaceuticals, paints, inks and other process industries where high purity compressed air, gas, liquids or steam are required.

Performance and Results
Our innovative designs focus on energy-efficient operation and reliable performance to lengthen shelf life, minimize product spoilage and reduce operating expenses and downtime. We are committed to advancing filtration technology and providing quality products and prompt customer service.
The selection and sophistication of our products deliver unmatched results.

Donaldson Torit® manufactures the broadest line of dust, fume and mist collectors and replacement filters available to help ensure clean air in industrial environments. And by using these sophisticated collectors and filters together, we support the customers’ business objectives and produce a cleaner working environment.

**Dust Collection**

Donaldson products are engineered to collect dust particles generated by manufacturing processes. From point-of-use centralized systems, to source and ambient collectors, we provide the most complete range of dust collectors that cost-effectively enhance productivity and manufacturing efficiency.

By combining our first-to-market cartridge, bag or PowerCore collectors with Ultra-Web or Dura-Life™ media, manufacturers can handle many types of industrial applications, including grain, cement, mining, pharmaceutical, chemical, food, metal and others.

This extensive range of products is backed up by our experienced engineers, installers, technical sales, service and aftermarket support teams.
Fume Collection
We offer a variety of cartridge and PowerCore collectors that provide high performance in a small package. And our Ultra-Web media or PowerCore filter technology ensures that submicron-sized particles are captured and do not reach welders’ breathing zones.

Fume collectors are available in a variety of configurations, including ceiling-mounted; weld benches; compact and portable trunks and extraction arms; and sleek, all-welded stand-alone models.

Oil Mist Collection
High performance mist collection is a must for manufacturers who generate cooling and machining oil mist in their applications. Uncollected mist leaves condensation and residue on floors, machines, walls and ceilings, creating an unclean manufacturing environment.

Our comprehensive range of mist collectors, paired with Synteq XP media technology, provide manufacturers with what they need to be productive and efficient.
We partner with gas turbine customers worldwide, helping them optimize their system performance and protect their investment.

Our Gas Turbine Systems solutions are used in conjunction with customers’ gas turbines, which provide for base load electricity, peaking capacity and remote power. These turbines require inlet air filtration systems to help protect the turbine from damage and run at optimum efficiency for our customers; these include most major turbine manufacturers, utility and oil and gas companies.

**Tailored Solutions**

We design and manufacture complete custom-engineered air intake systems that leverage proprietary filter media, such as Turbo-Tek® and Spider-Web®, to deliver peak system performance and maximum efficiency. We also provide aftermarket filters, parts and service, conversions, modifications and upgrades.
Self-Cleaning Air Filtration Systems
We offer the industry-leading GDX™ Cross Flow and Terminal Temperature Difference (TTD) Updraft systems, which utilize Spider-Web pulse filters to deliver high-performance and low-maintenance for gas turbines, generators and compressors.

Static Filter Systems
Our comprehensive portfolio of cartridge, panel, compact, pulse and pre-filter solutions provide optimal performance and efficiency within a wide range of environments, including urban, rural, industrial, coastal, desert and off-shore/marine.

Air Inlet Enhancements
Our evaporative coolers and chiller coil systems help achieve peak power output in warm operating environments. We also provide inlet heaters, anti-icing devices and inlet bleed heaters for cooler climates.

Retrofits
Whether it is time to upgrade, update or add features to existing inlet systems, we are ready to partner with you. Our conversions, modifications and upgrades (CMU) team stands ready to discuss specific needs and help find the best solution.

Replacement Filters, Spare Parts and Field Service
We offer a full range of filter changeouts, inspections and maintenance service. We also provide cartridge and panel filters that utilize our proprietary media technologies, as well as those products and services necessary to optimize inlet system performance.
Tetratex® ePTFE membrane filter media maximizes efficiencies, increases performance and reduces downtime.

Our dedicated and knowledgeable team, with experience in Polytetrafluoroethylene (ePTFE) membrane media development and manufacturing, enables us to provide customers with a unique and consistent competitive advantage.

Ensuring Low Capital and Operational Costs
Our high performance Tetratex filter media can improve industrial filtration applications by reducing energy consumption and environmental emissions, while improving productivity and product reclamation and extending filter element life.

Especially Suited for Critical Applications
Our Tetratex filter media is dimensionally and chemically stable in almost any chemical environment, ranging from -250°C/-418°F to 280°C/533°F. This enables our ePTFE membranes, films and laminates to be used in a wide range of applications.
The Technology of Choice is Tetratex
Our Tetratex ePTFE membrane filter media is used in many different industries, including chemical processing, food manufacturing, fuel cells, light reflective applications, metal processing, microfiltration, mineral and cement production, pharmaceuticals, power generation and vacuum cleaners and sweepers.

Quality and Expertise
By working closely with our customers and providing comprehensive technical resources and sales support, Donaldson is able to provide a uniquely thorough and educated evaluation of your filtration application to help you determine the most suitable filter media solution.
Semiconductor

Our unparalleled understanding of filtration and contamination makes all the difference for our customers.

Donaldson is committed to delivering high value contamination control solutions to our customers.

Solutions for the Most Sensitive Process Environments
Recognizing that the semiconductor industry needs to meet increasingly complex and stringent demands, Donaldson’s filtration solutions offer maximum protection, filter life and flexibility for the spectrum of contaminants that can degrade tools and processes.

Our air and liquid products are designed to protect against molecular contaminants in highly sensitive process environments, such as semiconductor manufacturing and photonic applications.

Product Protection
We partner with both global manufacturers and end users of cutting edge technology; it is about protecting against harmful contaminants at the tool and critical point-of-use levels to increase product yields and uptime.
Donaldson engineers custom filtration solutions to remove contaminants and help protect valuable equipment.

We design filters to remove toner, ozone and other contaminants generated within production printers, thereby helping OEMs safeguard sensitive printing equipment and protect the operating environment.

**Contamination Control**
Our experience protecting production printers and understanding the demands that contamination control requirements place on equipment engineers helps us provide cost-effective and easy to maintain customized filtration solutions.

This, in turn, helps customers effectively control pollutants, reduce waste through longer life filters, reduce footprint through system level design and decrease energy consumption through reduced pressure drop.
We provide a wide range of venting solutions to help increase product effectiveness, reliability and life.

Donaldson’s precision manufacturing produces a variety of venting solutions designed to protect devices and enclosures from pressure fluctuations, liquids and harmful contaminants.

These solutions are easily integrated into our customers’ devices, and help improve performance and protect the product.

**Wide-Ranging Applications**
Donaldson’s water and oil repellent venting technology offers advantages for a variety of applications: from automotive lighting, sensors and powertrains; to consumer electronics such as smartphones, tablets and cameras; to medical devices, including hearing aids, patient monitors and ostomy bags.

**Venting Solutions**
Our sales, engineering and production experts help customers select the optimal venting solution from our vast portfolio of products, including protective vents, vent assemblies, acoustic vents, screw vents, adsorbent filters, snap-fit vents and powertrain vents. We also offer a variety of adsorbent, integration and filtration material options, including our proprietary Tetratex PTFE membrane.
Our industry-leading technologies help protect critical applications from the damaging effects of particles, gases and moisture.

**Protecting Hard Disk Drives**

Desktop and laptop computers, servers, gaming systems, external storage devices, digital video recorders and a wide variety of consumer electronic devices utilize hard disk drives.

Donaldson’s filtration technology, combined with carbon or desiccants, helps protect these products from the particles, gases and moisture that threaten their viability.

**An Established Reputation**

Today’s electronics manufacturers are continually challenged to meet the demands of a fast-paced, ever-changing marketplace. Donaldson’s people, products and just-in-time production consistently and reliably deliver.
ISO 14001
Certifies conformance to an effective, site-specific environmental management system focusing on continuous process improvements and pollution prevention. Donaldson has achieved registration at thirty-two locations:

- Leicester, United Kingdom, 1999
- Frankfort, Indiana, U.S., 2001
- Stevens Point, Wisconsin, U.S., 2003
- Wuxi, China (Disk Drive Filter Plant), 2004
- Rayong, Thailand, 2004
- Cresco, Iowa, U.S., 2004
- Klasterec, Czech Republic, 2005
- Ostiglia, Italy, 2006
- Gunma, Japan, 2006
- Hull, United Kingdom, 2006
- Wuxi, China (Industrial Filtration Solutions Plant), 2007
- Dülmen, Germany, 2008
- Baldwin, Wisconsin, U.S., 2009
- Gurgaon, India, 2010
- Aguascalientes, Mexico (Liquid Filter Plant), 2010
- Nicholasville, Kentucky, U.S., 2010
- Kadan, Czech Republic, 2011
- Domjean, France, 2011
- Cape Town, South Africa, 2012
- Riverbank, California, U.S., 2012
- Rensselaer, Indiana, U.S., 2012
- Aguascalientes, Mexico (Distribution Center), 2012
- Wuxi, China (Tetratex Membranes Plant), 2012
- Wuxi, China (Engine Products Plant), 2012
- Chillicothe, Missouri, U.S., 2012
- Aguascalientes, Mexico (Air Filter Plant), 2013
- Monterrey, Mexico, 2013
- Atibaia, Brazil, 2015

OHSAS 18001
Certifies compliance to an effective, site-specific occupational health and safety management system focusing on continuous improvements and the reduction and eventual elimination of occupational injuries and illnesses. Fourteen Donaldson facilities have achieved registration:

- Rayong, Thailand, 2007
- Hull, United Kingdom, 2008
- Gurgaon, India, 2010
- Frankfort, Indiana, U.S., 2012
- Wuxi, China (Disk Drive Filter Plant), 2012
- Wuxi, China (Tetratex Membranes Plant), 2012
- Wuxi, China (Industrial Filtration Solutions Plant), 2012
- Wuxi, China (Engine Products Plant), 2012
- Klasterec, Czech Republic, 2013
- Domjean, France, 2014
- Cape Town, South Africa, 2015
- Kadan, Czech Republic, 2015
- Leicester, United Kingdom, 2015