



FILTRATION SOLUTIONS FOR PRODUCTION PRINTING

Imaging Filtration



CUSTOMIZED, COST-EFFECTIVE SOLUTIONS

PARTNERING WITH ORIGINAL EQUIPMENT MANUFACTURERS



Donaldson designs filters to remove toner, ink, ozone and other contaminants generated within production printers, thereby helping original equipment manufacturers safeguard sensitive equipment and protect the operating environment.

Donaldson solutions help you achieve key metrics including:

- Effective control of pollutants
- Reduced waste through longer life filters
- Reduced footprint through system level design
- Decreased energy consumption through reduced pressure drop

Your Donaldson team is committed to pursuing the development of filtration solutions that address your unique needs. Our application engineers have experience protecting production printers and understand the demands that contamination control requirements place on equipment engineers. Our experience covers a broad spectrum of contaminants and filtration techniques which we use to devise a customized filtration solution that fits your process requirements, is cost-effective, and easy to maintain.

ADDRESSING YOUR REQUIREMENTS

When you partner with Donaldson, you gain over 100 years of continually evolving filtration expertise that's been applied into an expansive array of technologies. This commitment to product innovation results in the protection of people and equipment in industries such as imaging and semiconductor lithography tools.

We understand OEM requirements and aim at developing customized solutions providing:

- Reduced cost of ownership
- Ease of installation/replacement
- RoHS compliance
- Working within space constraints
- Compliance with flammability requirements
- Retrofitting an install base

RESEARCH & DEVELOPMENT

In order to develop customized and cost-effective filtration solutions, Donaldson R&D engineers utilize:

- Efficiency testing for:
 - Ozone
 - Volatile Organic Compounds
 - Particulates
 - Acid Gases
 - Volatile Bases
- Broad spectrum of filtration technologies
- Computer modeling to optimize your solution
- Internal experts to prototype and develop new media
- Vast experience in Computational Fluid Dynamics (CFD) modeling and analysis to ensure system functionality



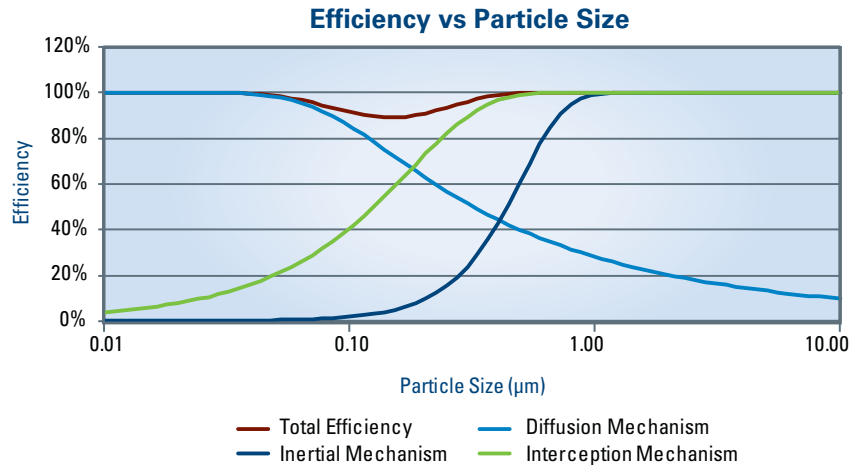
DESIGN VALIDATION

APPLYING TECHNOLOGY TO CREATE SOLUTIONS

Donaldson's Corporate Technology expertise, including chemical analysis and media labs, is leveraged to understand your environment and solve your most challenging filtration issues.

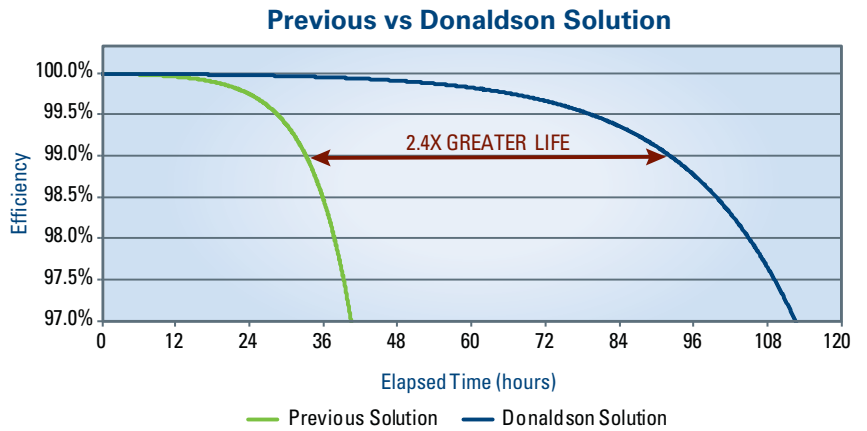
PARTICULATE FILTRATION EFFICIENCY

Understanding your application helps us determine the most appropriate media for your solution.



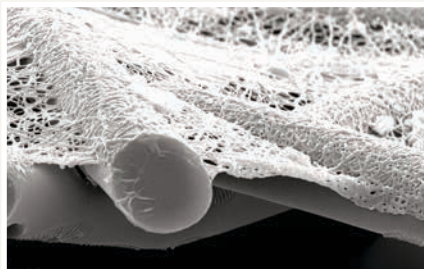
OZONE EFFICIENCY TESTING

Example of lifetime improvement adopting a Donaldson filtration solution.

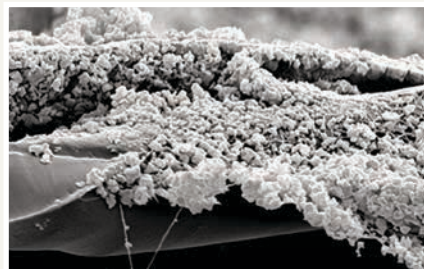


SCANNING ELECTRON MICROSCOPY (SEM)

SEMs provide a microscopic view that allows us to identify contaminants of concern and eventually validate your solution.



Clean filtration media



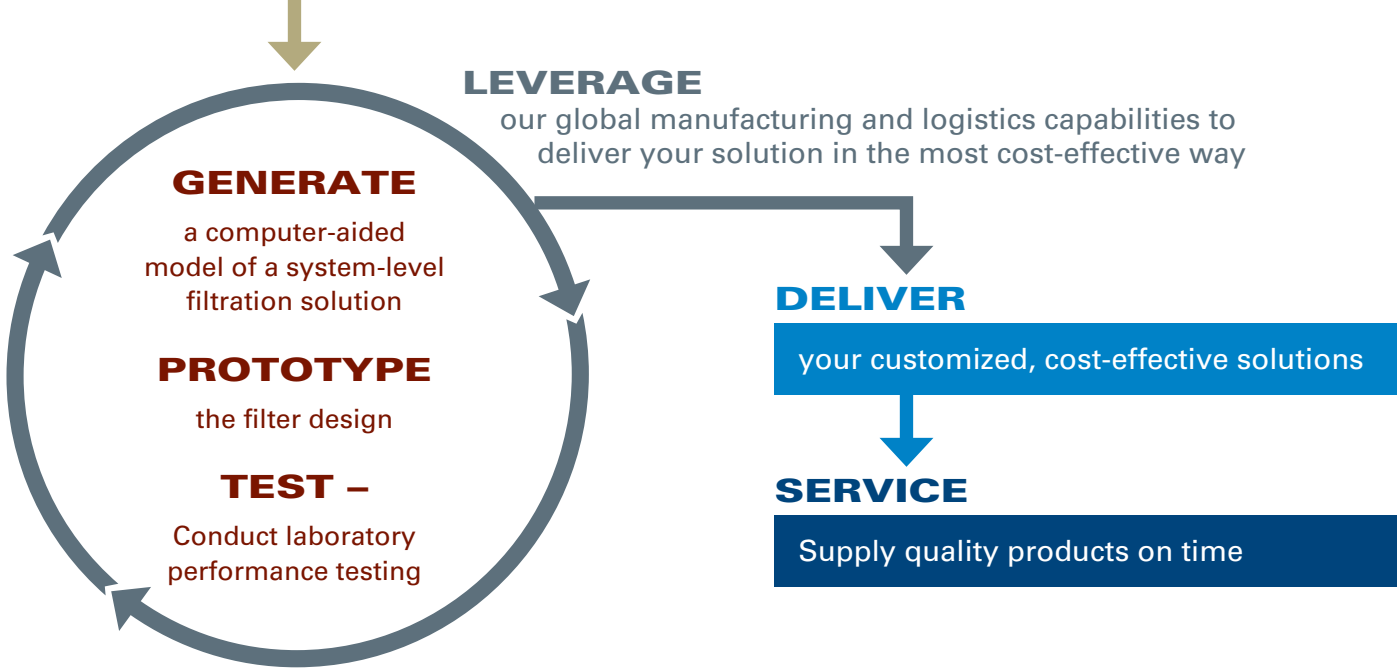
Contaminated filtration media

PROCESS AND PRODUCTS

Our typical process with OEMs includes:

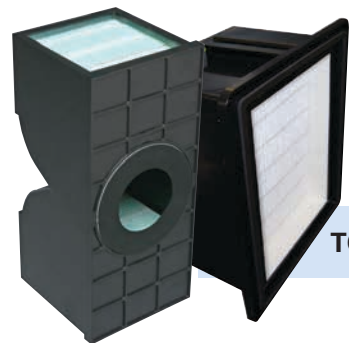
ASSESS

your performance and price requirements



PRODUCTION PRINTER FILTERS

Our team is equipped to customize your filtration solution. The following is a sample of the products we manufacture.



TONER FILTRATION

OZONE FILTRATION



IMAGING OIL FILTRATION



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.



Donaldson Company, Inc.
Imaging
PO Box 1299
Minneapolis, MN 55440-1299 U.S.A.

printerfiltration@donaldson.com
donaldson.com

United States of America
1-952-887-3700
Europe, Middle East, and Africa
+32 16 38 37 10

Korea
+82 2 517 3333

Singapore
+65 6311 7373
Japan
+81 42 540 4119

Taiwan, Hong Kong, and China
+866 2 2698 0712 ext. 15