

Filter candidates March 2016

Primarily we are looking for competence, media and cartridge/pleated, for support to the Nederman group business. But we are also interested in production...

If you can send me “the longlist” with basic info like ownership, financials, prod range, markets etc, but also if feasible their “strategies”, history, organization/key personnel etc. a day in advance we can be more efficient during our meeting.

- Why cartridge company
 - Media
 - Who to buy
- Long list of companies with turnover and ownership
- Short list with manufacturing capability, product range, industrial customers , R&D
- Capital and knowledge
- Low tech cartridge, high volume, low cost manufacturing with substantial capital investment
- Pleated bags and multi pollutant filter media with knowledge (organic or acquired)
- Acquired through joint venture
- Acquired through group of experts

Candidate Scope

Factor	
Products	Cartridges was the main criteria but many candidates also supply bags or other filter construction
End use	Dust collector cartridge was the main criteria but there is a much bigger market in air and liquid cartridges
Customers	Several are custom manufacturers , others are selling replacement cartridges for air, dust and liquid applications
Size range	Most are small companies but several have sales upwards of \$ 100 million
Geographic scope	Some selling replacement cartridges may be focused on a narrow region such as the Northwest U.S. There is also some export. A few have overseas manufacturing facilities
Manufacturing	Some have very large investments in manufacturing e.g. 6 pleating lines. Others may have modest manufacturing but also distribute for others

Market for cartridges and related filter elements in NAFTA

- In Nafta the dust collector cartridge market is only 4 % of the total opportunity for cartridges and other filters which can be produced in a similar manner
- Therefore nearly all the suppliers have a product range which is much broader than just dust collector or gas turbine cartridges
- Some focus on dust collection but with both bags and cartridges
- Some focus on cartridges for any application
- Custom filter manufacturers even set up speciality manufacturing lines depending on the customer
- The markets are growing faster in air filtration
- The highest growth markets are in liquid process filtration
- The larger and fastest growing acquisitions will have a broad product range including the liquid separation.

2017 NAFTA revenues	
Product	\$ millions
Liquid cartridges Non woven	1400
Liquid Cartridges- membrane	1200
G-1 4 air filters	300
F 5-9 Air filters	1400
H-17 air filters	400
Dust collector bags	300
Dust collector cartridges	200
total	5200

Specific Candidates

- More than 60 companies manufacture cartridges in the U.S.
- The McIlvaine analysis is still in the data gathering stage rather than into detailed analysis.
- Some information on each candidate is provided in this slide deck.
- Some attractive candidates have already been identified. The most attractive are on the A list and others to consider are on the B list.

Attractive Candidates A 2

Candidate Name	Attributes

Attractive Candidates A 3

Candidate Name	Attributes
North American air filter	Middle size supplier with gt intake as well as air filter products.

Attractive Candidates A 4

Candidate Name	Attributes

Attractive Candidates B1

Candidate Name	Attributes

Attractive Candidates B3

Candidate Name	Attributes

Attractive Candidates B4

Candidate Name	Attributes

Aeolus Filter Corporation

Aeolus Filter Corporation, 2601 Greengate Dr, Greensboro, NC 27406, Phone:(336) 272-1268

- www.aeoluscorp.com
- Aeolus, located in Greensboro, North Carolina, manufactures and sells high quality filtration products, primarily for the HVAC industry in North America. Their efforts are focused on the utilization of synthetic media technology in pleated products. Aeolus filters use patented fiber technology with 100 percent polypropylene media, minipleat design and advanced frame construction.
- Aeolus' synthetic mini-pleat products are produced in-house from start to finish. Beginning with plastic granules, they make their own media and do their own pleating on equipment they designed and built. The present capacity for pleated products is over 30 million square feet per year. The primary manufacturing location is in Germany with some manufacturing, secondary operations and assembly work at the North Carolina location. Estimated annual sales are \$2 million.
- 12 Employees at this location

Aircon Cartridge Filters

An Environmental Line of
REPLACEMENT FILTRATION CARTRIDGES
for Your Application

- Cellulose Paper • 80-20 Cellulose/Polyester • Spun Bond • Cotton/Polyester Encapsulated in Screen • Polyester Felt Encapsulated in Screen • Many Standard End Caps in Stock • Urethane Seal • Any Size Pleat Height Available • Inner and Outer Core Expanded Metal • Competitive Pricing

End Caps to fit your Cartridge Specifications

AIRCON

AIRCON FILTER MANUFACTURING CO.
441 Green Street, Philadelphia, PA 19123

LOCAL PHONES:	DIAL TOLL FREE:
(215) 922-5222	1-800-833-3019
(215) 922-7727	FAX: (215) 922-5316

website: <http://www.airconfilter.com>
E-mail: filtersales@airconfilter.com

HOW THE PLEATED MEDIA FILTERS THE DUST AND POLLUTANTS

- Filters operate on a strainer type principle.
- Pleats are shaped and spaced on predetermined centers. This spacing causes diffusion of air pressure over the pleated surface.
- Least resistance is in bottom of the pleat where pollutants are filtered out (initially). Eventually a constant build-up of pollutants increases the resistance at the bottom of the pleat therefore, the flow of air gradually moves up the sidewalls of the pleat as the point becomes loaded.
- As dirty air is pulled through the pleat sides, the pollutants themselves function as a supplemental filtration medium throughout the life of the filter.

Aircon Filter Manufacturing Company Incorporated

- **Aircon Filter Manufacturing Company Incorporated**
- www.airconfilter.com
- Founded in 1952, this company is privately held and headquartered in Philadelphia, PA. With an employee base of approximately 50, and estimated annual sales of \$7 million, this manufacturer provides custom and standard size industrial air and grease filters for use in most kitchen exhaust systems, HVAC systems, paint booth applications, machinery, compressors, engines, industrial ventilation electronic cabinets, turbines and many other applications.
- The following page shows the range of cartridge filters produced

Air Filters Inc

- Air Filters Inc., a division of B&B Technology, has been specializing in air filtration since 1952. Headquartered in Houston, Texas, Air Filters Inc. designs, manufactures, and warehouses all types of air filters including specialty and custom products in their 60,000 square foot industrial facility. This privately held company's estimated annual sales are \$10 million with 45 employees.

Cartridges

- **Spiral Flo™** cartridges are used in gas turbine air intake systems, as well as freestanding dust collector systems.
- Cartridges are constructed with metal end plates, a one piece molded gasket with expanded metal around both the inside and outside of the filter. A spiral glue bead around the outside ensures pleat locking to add security to the filter in critical conditions.
- Available with outside banding for ease of pulsing the filters clean.

Dust collector cartridges

Flo-Pak™ dust collection filters effectively reduce/remove pollen, dust, pet dander, dust mites, mold spores and environmental smog from circulated indoor air. Filtering these airborne particles can help alleviate allergies and sinus irritation that can cause watery eyes, itchy throat, coughing, and sneezing. Additional benefits are extending the life of your Air Conditioning / Furnace system by allowing the system to work more efficiently and economically.

- **Air Filters, Inc.**

8282 Warren Rd
Houston, TX 77040

Ph: 713-896-8901
Toll Free: 800-667-8563
Fax: 713-896-8912

Interview with Dominick (owner)

- 85,000 square foot facility.
- inventory thousands of different types of filters
- Good Youtube coverage of manufacturing

[Air Filters USA Company Overview](#)

Airflow Products Incorporated

- **Airflow Products Incorporated**
- www.airflowproducts.net
- Established in 2002, Airflow provides air filtration in commercial and industrial HVAC systems. Combining 40 plus years of manufacturing and sales experience in the HVAC filter industry, Airflow offers individualized service levels. Filters offered are V-Cell, synthetic panel, box, pleated, rigid cell and non-supported bag. The company is located in Selma, NC. *Airflow Products CO Inc ... has an annual revenue of \$5 to 10 million and employs a staff of approximately 50 to 99.*



100 Oak Tree Dr Selma, NC 27576
919-975-0240

Amaircair

Amaircare

- www.amaircare.com
- Amaircare, a Canadian company, manufactures a full line of air filtration systems for residential, commercial and automotive applications. Amaircare products provide indoor volume air filtration from 20 CFM to 1200 CFM with significant reduction of particulates, biological and volatile organic compounds. The air filtration systems are made of durable metal housings, German-made motors, and use a three-stage filtration process for removal of larger contaminants, fine particulates and V.O.C.s. Amaircare designs and manufactures all major components including HEPA filters, outsourcing only the motors. Amaircare's ongoing research and development program assures continual product improvement and new product development
- Launched in 1994, the Amaircare brand of HEPA Clean Air Products has provided the highest performance air filtration for residential and commercial use for over 20 years. Amaircares' portable, installed and commercial HEPA air filtration products and replacement components are designed and manufactured in Mississauga, Ontario, Canada.
- Our complete line of HEPA air filtration products and parts are distributed internationally.
- Amaircare, 770 Gana Ct, Mississauga, ON, L5S 1P1, Canada, +1-905-565-9488
- Total Sales (\$CDN): \$1,000,000 to \$4,999,999
- Number of Employees: 15

APC Filters

- <http://www.apcfilters.com/>
- inquiry@apcfilters.com | Contact Person: Russell Kelly
- 888-689-1235
- 866-491-1236
- 1404 Cormorant Road, Unit 3
Ancaster, ON L9G 4V5 Canada

APC Filtration Inc. is an ISO 9001.2008 quality managed manufacturer providing over 34 years of custom designed air filters, engineering, manufacturing and air filter testing to global manufacturers of industrial & commercial equipment and appliance

APC Filtration

- APC Filtration Inc. is an ISO 9001:2008 certified manufacturer providing over 34 years experience in custom made & designed air filters for global OEM's of industrial, commercial and domestic appliances and equipment.
- Applications include Aerospace, Agricultural, Air Purification, Appliances, Automotive Equipment, Biological Equipment, Cabin Air Filters, Containment Systems, Dental Equipment, Disaster Recovery Ventilation Equipment, HVAC Equipment, Infection Isolation Rooms & Surgical Suites, Manufacturing Equipment, Mobile Equipment, Medical Appliances & Equipment, Off-Road Equipment, Pharmaceutical Equipment, and Protective Environment Rooms to name a few.
- Air filtration products include Paper and Cloth Bag Filters, Cartridge & Radial Filters, HEPA Filters, Panel Filters, Pleated Filters and ULPA Filters. Capabilities include Design, Engineering, 3D modeling, Filter Efficiency Testing to IEST and BS EN1822 standards, Leak Testing, Dust Load Testing and Equipment/Appliance Integrity Testing including Private Label product manufacturing and Contract Manufacturing are just a few value added services we provide as a custom air filter manufacturer.
- Total Sales (\$CDN): \$5,000,000 to \$9,999,999
- Number of Employees: 23

1404 Cormorant Rd, Ancaster, ON L9G 4V5, Canada

Phone:+1 905-648-5500

APC - HEPA Filters

- A global market leader and respected pioneer of advances in medical devices, pharmaceuticals, and medical supplies visited APC to examine our manufacturing and filter testing capabilities to develop an antimicrobial HEPA filter for its patient warmer devices used in hospitals.
- They wanted raw material alternatives capable of killing microbes on contact, including Methicillin-resistant Staphylococcus aureus (MRSA), the leading cause of hospital staph infections.
- APC determined an ULPA filter capable of 99.9995% @ 0.12 micron with a pressure drop of 0.75" w.g. was required to operate at 113° F with a 100% positive seal.
- APC engineers determined alternative raw material selections and performed 3D fluid dynamic simulations on several imaged designs to meet the client's filter size, pressure drop and performance criteria. Prototype medical ULPA filters were created, tested and approved in 20 days.

APC-OEM filters

- Critical OEM Air Filters are designed and engineered to meet airflow ranges from 1 to 5000 SCFM.
- Filter efficiencies range from prefilters starting at 60% ASHREA with final filters ranging from 99.97% HEPA at 0.3 micron down to ULPA at 99.999995% @ 0.1 microns in particle size.
- APC qualifies each filter design through in-house performance laboratory testing to meet the following test standards:

North America – ASTM, ASHREA and IEST standards
Europe & Asia – BS EN1822-05:2009 standards.

APC complies with ISO 14/12/9 particle count and ISO 9001:2008 quality manufacturing standards. Air filter leak testing, fractional efficiency testing, air filter certification, appliance/equipment integrity testing, dust load testing including contract pleating are just a few value added services we provide.

APC logistics provide just-in-time, consolidated shipping, global freight management, global warehousing and Kanban services for all your filter requirements between our warehouse locations in the USA., Canada and China.

APC-Vacuum bags

- APC Filtration, Inc. designs and manufactures a diversified range of cloth bag filters for global original equipment manufactures (OEMs) of industrial, commercial and domestic equipment. We are an ISO 9001:2008 Quality Management Company with 34 years' experience in diversified industrial markets and applications.
- APC has provided cloth bag manufacturing solutions for a variety of industries, including central home and industrial vacuum systems

Apel Cartridges

- APEL is an industry leader in the design and manufacturer of replacement filter elements for baghouses, dust collectors and dry process equipment. We offer you quality crafted filters for **all brands of OEM equipment**, manufactured from our broad range of filter medias and components.
- **Applications include:** welding fume, bin vent, metal grinding, co-generation, powder coating, pharmaceutical, foundries, mining, pollution control, woodworking, laser cutting, mixing equipment, cement, pneumatic conveying, industrial vacuum, blasting and food processing.



Apel Filters

- 11201 Ampere Ct, Louisville, KY 40299 (502) 261-8222
- 20 to 49 employees
- \$2 million in annual sales
- <http://www.apelfilters.com/>
- Apel is a privately owned manufacturer of replacement filters including both cartridge and bagfilters
- Founded in 1996 by Paul & Susan LaCroix, APEL is a manufacturer of custom and standard replacement cartridge filters, pleated bags and fabric filters for dust collection, dry process filtration and pollution control systems. Large run specialty filters with custom tooling requirements are easily engineered in-house within our tool, die and custom mold division.
- All filters are manufactured by APEL International, Inc. at our state-of-the-art manufacturing facility in Louisville, Kentucky.

Apel bags

- **100% Spunbond Polyester Media**
- Water & oil repellencies
- Aluminization for static control
- Carbon impregnated
- PTFE membrane laminates
- Aramid felt
- PPS



Beach Filter Products Incorporated

- **Beach Filter Products Incorporated**
- www.beachfilters.com
- Beach Filter Products, Hanover, PA, has a line of compressed air filters, hygroscopic reservoir/tank breather filters and moisture control products. These products are for all manufacturing segments, especially aerospace. Their specialty products are:
 - Specialty Filters - ideal for instrument air and pneumatic control.
 - T-Line Filters - triple action filtration
 - In-Line Filters – single action filtration
 - MoistureBloc™ - blocks water and does not absorb it.
- Beach has been manufacturing filters for multiple uses for over 60 years. Their Point-of-use filters range from <5 to 1200scfm at 150 to 250 psi in a variety of plastics, metals and desiccants. Estimated annual sales are \$1.2 million.

Beach Filters

- Today with over 65 years of service and quality, Beach Filter Products, Inc offers a full line of compressed air filters, hygroscopic reservoir/tank breather filters, oil filter carts and moisture control products, through 100 distributors and over 500 sales people.
- Mission Statement:
Beach Filters provides industry with solutions for keeping industrial compressed air, lubricants and storage spaces clean and dry. We offer top quality products and 24 hour service through global distributors to all manufacturing segments, but especially aerospace.
- Industrial compressed air and gases are filtered at the point-of-use. Beach desiccant compressed air filters are offered in a full range of flow rates from 5 – 1200 scfm at either 150 or 250 psig pressure rating. In-line units are available in clean or all aluminum housings. “T-line” units have clearview bowls with coalescing scrubber and desiccant elements in engineered plastic housings. Clay, silica gel, and activated carbon desiccants in patented Cylform® replacement elements filter water, oil and particles down to 0.3 microns; auto-drains available.
- Beach Filter Products, Inc.
555 Centennial Ave.
PO Box 505
Hanover, PA 17331
- Phone: 717-698-1403, 800-232-2458
- Employees: 5-9

BLC Industries Incorporated

- **BLC Industries Incorporated**
- www.blcind.com
- Headquartered in Louisville, KY, this private company manufactures a variety of commercial and industrial air filtration and air purification products.
- 7633 National Tpke... Louisville, KY 40214-4801; (502) 366-6002
- Established in 1976, BLC Industries Inc. has eight product lines:
- Comp-Line: components - wires, frames, cores;
- Safe-Line: retaining equipment - pad, paint arrestor, Universal, HEPA Frames, spring clips;
- Auto-Line: automatic equipment - vertical/horizontal, ink, lint roll filters;
- Clean-Line: filtration equipment - flat, vee, side-access housings;
- Pure-Line: purification equipment - front, side-access carbon housing;
- Sure-Line: high efficiency equipment - HEPA housings;
- Filter-Line: Air Filters - pleats, bags, cells;
- Access-Line: Accessories - separators, hoods, louvers, diffusers, gages
- Sales Range: \$10,000,000 to \$24,999,999 ; Employees: 28

Blue Sky

- 99% of all fabrics, parts and materials used in our manufacturing are purchased and manufactured in the USA
- 100% Woman Owned: We have prevailed and succeeded due to our reputation for honest, reliable service and strong business ethics.
- based in Milwaukie, Oregon and great portion of our customers are in Oregon, Washington, Idaho and California
- 16600 SE Ken's Court
Milwaukie, OR 97267
(800) 648-2247
Fax: (503) 786-7210
- Sales: \$1 - 4.9 million
- Employees: 10-49



Blue Sky Cartridges and Pleated Filters

- **Cellulose (Paper, 80/20, Ultra-web, etc.) Serviceable**
Media is depth penetrating, low air to cloth ratio, not washable, low purchase price, normal service life.
- **Spunbond (Polyester, Polypropylene, H.O. etc.) Very Good**
Media collects on surface for easy, efficient cleaning, higher air to cloth ratio, washable and reusable (depending on product collected). Higher purchase cost. Extended service life.
- **Spunbond Polyester with expanded PTFE Membrane Excellent**
Available in generic PTFE or Gore Pristyne. Improves the release of particulate and increases Air Flow two to three times greater than standard spunbond media. Collection efficiencies to 1 micron. May not be cleanable. Purchase price could be double from spunbonds. Extended in service life 2 to 4 times standard spunbonds



Bonaire Filters

- **Bon-Aire Filters Incorporated**
- Headquartered in Marietta, NC, this privately owned company has been supplying air filters for home, industrial and commercial applications throughout the world for more than 30 years. The company is recognized as an original equipment supplier for consumer, industrial and transportation applications worldwide (ISO 9002 certified). Products include:
 - · activated carbon filters,
 - · allergy air filters
 - · custom /OEM air filters
 - · cooler filters
 - · Humidifier filters and
 - · HEPA, pleated, roll, and transit panel filters in a wide range of materials and sizes. Custom design for OEM products is also available.

2756 Marietta Rd
Marietta, NC 28362

(910) 628-6736

- Annual Revenue Estimate: \$1 to 2.5 million
Employees: 5-9

Cambridge Filters (No U.S. manufacturing)

- **Cambridge Filter/ Kondoh Industries**
- www.cambridgefilter.com www.cambridgefilterusa.com
- Kondoh Industries provides air filtration technology for a variety of manufacturing environments, cleanrooms and clean facilities. In addition to ULPA and HEPA filters, product lineup includes the ultra-low outgassing GIGA filter series, ChemArrest chemical filters, microbial inhibition Enzymic filters, radioactive substance removal filters, fan filter units (FFUs) and other clean air equipment. Their products, primarily manufactured by Cambridge Filter Japan, Ltd., are supplied to Semiconductor, Precision Electronics, Pharmaceutical/Biomed and Food Production manufacturing and research facilities worldwide. Additional products include a variety of general use Indoor Air Quality products, including medium grade filters, prefilters and atmospheric gaseous contaminant filters, as well as a wide selection of metrology tools.

The company global network, includes Kondoh Industries Ltd. Singapore, Cambridge Filter Corporation USA, and Cambridge Filter (China) Co., Ltd. Estimated annual sales are \$30 million with 120 employees.

- Cambridge Filter Corporation offers a wide selection of particle arrestance ULPA and HEPA filters, organic, alkaline and acidic gas arrestance filters, fan filter units (FFUs) and many more high efficiency filtration products for cleanrooms and clean environments essential to a broad range of industries. Products include:
 - ultra-low outgassing Giga Series Filters, and ULPA and HEPA for all applications;
 - ChemArrest chemical filters for organic, alkaline and acidic gas arrestance;
 - Enzymic Filters for airborne microorganism arrestance; standard and custom Fan Filter Units (FFUs) for any application; and
 - a full range of ASHRAE grade filters and pre-filters.

History

- In March of 1968 Cambridge Filter Corporation and Kondoh Industries Ltd. established a joint venture, Cambridge Filter Japan, Ltd. Kondoh Industries, established in 1953, had been providing dust arresting equipment for years. Kondoh Industries acquired all of the shares of the Cambridge Filter Japan in 1991, and currently provides a complete line of air filters, particle counters and cleanroom related equipment, under the Cambridge Filter name.
- Cambridge Filter USA was established in 2002 as a joint investment between Kondoh Industries and Cambridge Filter Japan to bring its production to the USA. The company's U.S. headquarters are in Gilbert, Arizona. Manufacturing and sales facilities are in Japan, Korea and China. Additional sales offices are in Singapore and Taiwan.

Address

[779 N Colorado St](#)

[Gilbert, Arizona 85233](#) Phone: (480) 507-5430

Clack

- <http://www.clackcorp.com>
- ballweg@clackcorp.com | Contact Person:
Steve Ballweg
- 608-846-3010
- 608-846-2586
- 4462 Duraform Lane
Windsor, WI 53598

Clack

- **Clack Corporation**, established in 1947, is a manufacturer and distributor of water treatment components and equipment. Products include residential and commercial/industrial water treatment components including: brine tanks, pressure vessels, filtration media, and distributor systems. In addition, Clack manufactures a complete line of drinking water systems including reverse osmosis and microfiltration technology (ceramic elements). Estimated annual sales are \$40 million.

Clack also offers custom plastics molding and turnkey services including design/engineering, molding, manufacturing, and finishing, supplying to OEMs throughout the Midwest.

Clack manufactures and distributes a complete line of point-of-use cartridges and housings. The Hydro-Cure® line of filter cartridges includes a wide variety of standard 9 3/4" cartridges and in-line replacement filters. Also available are string wound, pleated, carbon blocks, ceramic, and in-line cartridges.

- The company is headquartered in Windsor, Wisconsin with additional manufacturing facilities in Rogers, Arkansas. Clack serves customers in the United States and throughout the world, sold through a network of original equipment manufacturers. www.clackcorp.com
- Address: 4462 Duraform Ln, Windsor, WI 53598
- Phone: (608) 846-3010
- Approx: 290 employees

Columbus Industries

Columbus Industries Incorporated

www.colind.com

- Columbus Industries, founded in 1965 and based in Ashville, Ohio, manufactures air filter products providing a comprehensive line of pleated charged fiber filters, minipleated ASHRAE and HEPA grade filters, Polysorb™ activated carbon materials and wicking. The company is strategically positioned to supply filter products to North America, Europe, Asia and Africa, and states it is a leader in both distribution and OEM filtration markets. This privately held company employs over 900 associates working in seven locations though out the USA, Mexico, China and Tunisia. Estimated annual sales are \$70 million.
- Columbus Industries produces filters using high quality filtering materials like electret/charged fiber; electrostatic media/polypropylene woven textile polysorb activated carbon impregnated nonwoven media, granular activated carbon, granular zeolite, expanded metals (aluminum and tin-plated steel), ASHRAE grade mini-pleat, DOP grade mini-pleat, HEPA grade mini-pleat (99.97% efficiency), ULPA grade mini-pleat (99.999% efficiency)a highly absorptive wicking media, most available with anti-microbial treatment.
- The filters are used in air cleaners, air purifiers evaporative and duct mount humidifiers, HVAC equipment, vacuum cleaners and other household and commercial appliances. Columbus Industries markets their filters under many trademarked names, including the Magnet™ series for humidifier/air cleaners, and Perma Guard™.
- A recently introduced product is CARC (Chemical Agent Resistive Coating) overspray collection media from Columbus Industries. The combination baffle/strainer-type construction consists of layers of slit and expanded kraft with a final layer of synthetic polyester backing to maximize efficiency and strength. Layers are arranged in a graduated density pattern to redirect and cause the particulate-laden airflow to become turbulent, resulting in maximum contact between the overspray and the baffles within the collectors. This collector design is ideal for extending filter service life and ensuring highest particulate removal efficiency when using CARC coatings.

Columbus Product Line is Air Filters and Paint Booth Filters

- Since 1965, Columbus Industries has been a leader in the air filter industry by being an innovative, proactive and technically supportive manufacturer of the highest quality filtration products that efficiently solve customers' increasingly diverse and demanding needs.

Columbus Industries supplies cutting edge filtration technology to the leaders in air quality. We work with our customers to develop solutions specific to their applications. Our research & development team develops new air filtration products and solutions on a daily basis.

Columbus has 900 employees

- Columbus Industries is a global company that has grown steadily since its inception in 1965 to include over 900 associates in seven locations worldwide. CI is strategically positioned to supply filter products to North America, Europe, Asia and Africa. We design, manufacture and market air filter products that keep the air you breathe clean and clear of harmful contaminants.

CI's research and development team is dedicated to constantly improving our air filtration products through innovation and new technology. This has established Columbus Industries as a leader in both the distribution and OEM filtration markets. Our extensive network of distribution partners worldwide deliver CI's large paint overspray collection and extensive commercial/industrial HVAC filter offering, while the OEM division focuses on creating custom solutions to solve unique problems.

- 2938 State Route 752
P.O. Box 257
Ashville, OH 43103-0257

Phone: (740) 983-2552

Custom Filter

- With more than 60 plus years of filtration experience, Custom Filter's expertise is based upon a combination of technologies acquired through research and development, acquisitions, joint ventures, strategic alliances, opportunistic projects and internally developed propriety manufacturing methods. We provide "**concept-to-reality**" filtration solutions.
- Custom Filter designs and manufactures filtration solutions for many small and large OEM's with state-of-the art systems, engineering tools and manufacturing equipment to provide unique and cost effective filtration solutions.
- Custom Filter has formed many strategic alliances and partnerships with many of the top filtration companies, labs, design firms and suppliers, providing timely access to new and emerging technologies.
- It has 60 full time employees and generates an estimated \$10.2 million in revenue.

Custom Filter Design and Development

Prototyping

- Custom Filter validates design work by prototyping filters during the design process to illustrate innovative concepts, product performance and to gather customer feedback. Custom Filter's product design group along with our quality system ensures that filter construction is carefully designed, documented, validated and cost effective to manufacture..

CAD

- Custom Filter utilizes SolidWorks Office Professional 3D CAD software for design work. Custom Filter can import 2D drawings from all major CAD software platforms and create 3D models including the ability to generate finished, professional, production-ready 2D files for manufacturing. We have the ability to load CAD drawings directly into many pieces of our manufacturing equipment.
- You can provide drawings or Custom Filter produces drawings internally. Your product and our processes are well documented.

Validation & Optimization

- Custom Filter engineers utilize COSMOS, a fully embedded software program within SolidWorks to validate part designs. COSMOS is an extremely powerful FEA software used for design validation and optimization. COSMOS allows our engineers to optimize part designs without having to do a lot of trial and error prototyping.

Address: 401 Hankes Avenue
Aurora, IL 60505

Phone: 630.906.2100

Custom Filter

Custom Filter can design, engineer and build a production line customized and dedicated to your specific product or requirements

- Synthetic
- Paper Folding
- Marking
- Assembly
- Robotics
- Ultrasonic Welding
- Gluing
- Pleating
- Testing
- Spin Welding

Plastic Molding

- Insert Molding
- Injection Molding
- Custom Filter offers injection and insert molding expertise and can efficiently design, build and manufacture filters using unique methods and techniques to tackle challenging applications

Custom Filter contract manufacturing

Contract Manufacturing

- Pleating
- Die Cutting
- Ultrasonic Welding
- Assembly
- Testing & Certification
- Other
- We provide contract manufacturing of a wide variety of component parts using our extensive and flexible state-of-the-art equipment. In addition, we offer contract manufacturing services of finished filters using customer owned equipment and tooling operated within our facility.

Testing & Certification

- HEPA & ULPA
- Pressure Drop / Resistance
- Efficiency
- Leak, Thread & Smoke
- Particle Counters
- Photometers
- ATI
- Automated Test Rigs
- Lot Control (Serial Numbering & Data Base Collection)
- Custom Filter offers extensive testing and central database collection systems using a wide variety of manual, semi-automatic and automatic test rigs. We can test your filters to the appropriate filtration standard required for your specific application. If requested, we can certify 100% of the product we manufacture and can provide the supporting test data electronically. We currently have nine (9) different in-house test stations.

Custom Filter die cutting/welding

Die Cutting

- Waterjet
- Clicker
- Multi Press
- Ultrasonic

Custom Filter has the ability to provide die cutting in any shape, size or configuration using our state-of-the-art equipment. Custom Filter's water jet equipment combined with our CAD interface is designed to provide high speed precision cutting of flat, layered or pleated media. Our 4'x8' bed and four (4) head cutting system provide unmatched flexibility. If you are looking for prototypes, low or high volume production or precision cutting of high valued materials, we have the solution

Ultrasonic Welding

- Manual
- Semi-Automatic
- Automatic
- Cut with Sealed Flange
- Rotary Stitch

Custom Filter offers ultrasonic welding using various manual and fully automated lines depending on volume. We have the ability to weld and cut simultaneously which provides a hermetically welded seal around the entire perimeter of the part. We can cost effectively produce short and long runs of difficult to weld materials including thick multilayered composites and odd shapes.

Custom Filter Pleating

Custom Filter has the ability to provide high quality pleat packs in any shape, size or configuration using our state-of-the-art equipment. We can supply your organization with a wide variety of separation methods, pleat heights, mutli-layered media, edge sealing, sonic welding and pre and post cutting options using one of our six (6) pleating lines.

Pleating Equipment:

- Blade
- Mini-Pleat Hot Melt
- Mini-Pleat Thread
- Rotary
- Embossing

Separation Methods:

- Hot Melt
- Thread
- Netting
- Embossed
- Over-the-Crown

Custom Filter – other capabilities

Molecular/Gas Phase

- Molecular/Carbon Drop
- Snow Filling
- Automated Dispensing
- Vibrating Tables
- Bulk Loading
- Volumetric Filling
- Custom Filter has manual and automated equipment to load both small and large filters using snow filling equipment that will uniformly dispense the molecular granules to prevent channeling. Larger filters can be packed solidly using our vibrating shaker tables and bulk filling equipment.
- We offer a wide variety of high tech molecular impregnated/loaded media and can pleat, die cut, ultrasonically weld or fabricate the media to meet your needs

Labeling & Printing

- Engraving Pin
- Hot Melt Ink
- Pad Printing
- Label Applicators
- Laser Jet
- Hot Stamping
- **Assembly**
- Roller Coaters

- Ram Tables
- Lamination
- Shearing
- Spot Welding
- Spin Welding
- Spin Casting
- Centrifugal Casting
- Cut-to-Length Cutting
- Metal Rolling
- Bag Sealing Equipment
- **Hot Air Welding**
- Netting
- Synthetic Tubes
- **Adhesives**
- Adhesive Urethanes
- Moldable Urethanes
- Hot melts
- Plastisols
- Adhesive Plastisols
- PURs
- Cyanoacrylates
- Polyvinyl Acetates
- **Sewing**
- Single needle
- Double needle
- Surger
- Ultrasonic Stitch

Custom Filter Personnel

<p>John Copley President 630.906.2100 x 27 jcopley@customfilter.net</p> <p>Dan Plumb Founder & Former Pres. 630.906.2100 x 14 dplumb@customfilter.net</p> <p>Bill Domenz Automation Eng Maint. Manager 630.906.2100 x 22 wdomenz@customfilter.net</p> <p>Bill Feilinger Manufacturing Engineer 630.906.2100 x 13 wfeilinger@customfilter.net</p> <p>George Eddy Plant Maintenance 630.906.2100 x 23 geddy@customfilter.net</p>	<p>Bruce Plumb Vice President 630.906.2100 x 34 bplumb@customfilter.net</p> <p>Dave Fuller Plant Manager 630.906.2100 x 19 dfuller@customfilter.net</p> <p>Oscar Pena Manufacturing Engineer 630.906.2100 x 30 opena@customfilter.net</p> <p>Martha Gass Design Engineer 630.906.2100 x 12 mgass@customfilter.net</p> <p>Tony Falco Plant Maintenance 630.906.2100 x 23 afalco@customfilter.net</p>	<p>Patrick O'Brien CFO 630.906.2100 x 15 pobrien@customfilter.net</p> <p>Bill Moreland Engineering Manager 630.906.2100 x 28 bmoreland@customfilter.net</p> <p>Matt Lenell Design Engineer 630.906.2100 x 17 mlenell@customfilter.net</p> <p>Laura Yoho Manufacturing Engineer 630.906.2100 x 16 lyoho@customfilter.net</p> <p>Terri Couch AP/Office Admin. 630.906.2100 x 11 tcouch@customfilter.net</p>
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Dectron Internationale/ Circul-Aire

www.dectron.com

Address: 3999 De La Côte-Vertu Blvd
SAINT-LAURENT, Quebec
H4R 1R2
Telephone: (514) 334-9609, (800) 667-6338

- Dectron Internationale, Inc., Montreal, Quebec, Canada, is a global provider of custom and semi-custom IAQ (indoor air quality) and HVAC (heating, ventilation and air conditioning) products and for residential, commercial, institutional and industrial applications for commercial swimming pools and spas, schools, hospitals, labs, casinos and museums.
- Dectron Internationale went private on August 18, 2008 with the corporation controlled by Ness Lakdawala, President, Chief Executive Officer and Chairman of the Board of Dectron, certain members of Mr. Lakdawala's family and Leonard B. C. Schlemm, a principal shareholder. Estimated annual sales are \$42 million. Number of Employees: 102

Brands:

- **Circul-Aire**, established more than 45 years ago, is considered to be one of the pioneers of the air treatment industry. The company is a leader in the advanced technologies of gas-phase filtration and energy recovery using a multi-disciplinary approach for ensuring single source responsibility for meeting or exceeding the standards and guidelines set by ASHRAE for humidity, ventilation, purification and comfort. Circul-Aire's MULTI-MIX® filter media and integrated systems reduce the odor and corrosion potential of commercial, institutional, sewage treatment and industrial environments. Combined with air-to-air heat exchanger options, Circul-Aire systems recuperate valuable energy from various air streams. All the company's systems are engineered and manufactured to withstand the most severe industrial environments, including those containing corrosive gases. Circul-Aire's estimated annual sales are \$7 million. Number of Employees: 35
- Address: Circul-Aire Inc. 3999 Cote Vertu ,Montreal Quebec, Canada, H4R 1R2
- Telephone: (514)-337-3331, 1-800-800-1868

DuraLast Products Corporation

www.duralast.com

- This privately owned company specializes in air filters and boosters for ducts and diffusers. Founded in 1958, DuraLast Permanent Filters come in standard 1/2", 3/4", 1" and 2" thicknesses, and custom fitted pads or in bulk rolls.
- Products other than the DuraLast Permanent Filter are:
 - PolyLast line of polyester fiber Air Filters, an alternative to the natural fiber filters;
 - Custom Air Filters;
 - Robin Hood Air Booster, a high-quality motorized duct fan that helps push air to hard-to-heat and cool rooms.
- Address: 580 Tillman St, Memphis, TN 38112
- Phone:(901) 323-8448
- **Sales Range:** \$1,000,000 to \$4,999,999
- **Employees:** 5 to 10

ElectroMaze Air Filters

- **ElectroMaze Air Filters**

www.electromaze.com

- Located in Carmichael, CA, Electro Maze manufactures custom engineered and made to-order air filter products for OEM. Industries such as telecommunications, medical, electronic, defense and start-ups feature their filters in their applications. Products are in either extended surface media or multi-layered style media.
- Address: 5936 Don Way # A, Carmichael, CA 95608
- Phone:(916) 485-4076
- Sales volume of \$1,958,000
- Staff of approximately 11 people

Exceed

www.exceedfilters.com

- Exceed filters are manufactured and marketed by a new division of eSpin Technologies Inc., a nanotechnology firm established in 1999 in Chattanooga, Tennessee.
- Exceed filters, available in a range of sizes with efficiency levels of MERV 11 to MERV 14, reduce small particulate counts in the 0.3 to 0.5 micrometer range, the size of bacteria, most smoke, droplet nuclei (from sneezes), airborne cooking oil, and copy toner. Exceed filters meet the requirements of the [Leadership in Energy and Environmental Design](#) (LEED) certification program developed by the [US Green Building Council](#) (USGBC).
- 7151 Discovery Drive, Chattanooga, TN 37416
Phone: 1.877.835.4639

Fab-Text

- Since **1995, Fab-Text Filtration** has been a significant industry leader manufacturing a broad range of quality filter products for industrial air filtration equipment.
- Fab-Text has been developing advanced, innovative technologies with specialty media advancements such as Nanofiber Technology and our own Advanced Tandem Pleat Technology.
- Fab-Text has been instrumental in developing MERV 11 through 16 (including HEPA and ULPA) Dust Collector Cartridges for use in Source Capture applications. We work with OEM's to develop new filtration concepts and with end-users to replace filters in existing equipment.
- Address: 1-4380 Harvester Rd
Burlington, Ontario
L7L 4X2
- Phone: 905-335-1012
- **Total Sales (\$CDN):** \$1,000,000 to \$4,999,999
- **Employees:** 10

Fab-Text pleated elements and cartridges for dust collection

- Pleated filter elements are designed to replace traditional filter bag/cage configurations in pulse cleaning dust collection systems. They offer many performance enhancements including increasing the area of filter media by 2-3 times that over typical bag/cage systems. This results in improved performance for existing systems, and/or the ability to reduce the physical size in the design of new systems. We offer variable pleat configurations to suit your specific operating conditions in terms of dust loading, nature of product handled, air volume requirements, etc.

Pleated filter elements are available in a multitude of both top and bottom load configurations to fit most standard tubesheet and bag cup designs. In most cases, no collector modification is required.

- Fab-Text Filtration manufactures a complete range of cartridge filters for dust collection and air pollution control systems. Our filters are designed to meet and exceed OEM specifications for construction and operation. Skillfully crafted in a wide variety of sizes, replacement cartridge filters are available to fit almost all dust collection equipment available in the marketplace today.

Fedder, R. P. Corporation

www.rpfedder.com

For over thirty years, R.P. Fedder has been involved with the conception, development and manufacture of specialized filtration filters and components for performance air filter systems and commercial air filtration products. The company consists of two distinct business units – the OEM Manufacturing Group and the Stock and Rep Group. Their headquarters are located in Rochester, NY.

Their diverse line of products include pleated, panel. HEPA/ULPA, and carbon filters, seals and gaskets, and filter bags and pads.

- Annual Revenue Estimate: \$5 to 10 million
- Employees: 20 to 49

- Address: 740 Driving Park Ave, Rochester, NY 14613
Phone:(585) 288-1600

Filtercor (focused on water)

- FilterCor, Inc. was founded in 1988 as the filter element manufacturing arm of Filter Pump Industries, Inc. In the years since, FilterCor has grown and developed into a premier manufacturer of filter cartridge elements serving a broad scope of industries worldwide.

Located near Los Angeles in Sun Valley, CA, FilterCor, Inc. manufactures and sells its products through a national and international network of distributors, wholesalers and OEMs. We are constantly striving to update and add to our filter cartridge product lines to meet the changing needs of industry and to accommodate our customers with requirements for custom sizes and materials.

- FilterCor, Inc. Sales: \$1 - 4.9 Mil.
- Employees: 50-99.

Address: 7932 Ajay Drive
City: Sun Valley State: CA
Zipcode: 91352
Country: USA

Telephone: 818-504-9471
url: <http://www.filtercor.com>



Filtermart

<http://www.filtermart.com/>

- karla@filtermart.com | Contact Person: Karla Ayers
- 1-800-487-7493
- 800-669-6303
- 2198 Fisk Road
Cookeville, TN 38506
- [Filter Elements](#)
- [Filter Manufacturing](#)
- **Description**
- A leader in supplying quality filtration products for every industry. Founded in 1991, offering replacement elements for over 1 Million model numbers. In house manufacturing
- Sales have been favorable and consistent at \$10 to 20 million
- Employee #: 20 to 49

Filtration System Products

CORPORATE HEADQUARTERS

- 8506 Herrington Court
Pevely, MO 63070
Phone: 314-721-2888
Toll Free: 1-800-444-4720
Fax: 314-721-4519
- **MANUFACTURING FACILITY**
- 809 South Main Street
Fredericktown, MO 63645
Phone: 314-721-2888
Toll Free: 1-800-444-4720
Fax: 573-783-7237
- annual revenue of \$10 to 20 million and employs a staff of approximately 20 to 49
- Our durable synthetic or natural fiber dust bags can lower your costs by increasing baghouse efficiency. We offer long-lasting replacement filter dust bags for more than 120 brands, including: Kice, Airlanco, IAC, Sly, Flex-Kleen, Mikro-pul, Pneumafil, Carter Day, Pang Borne, MAC, Wheelabrator, DCE Volkes, and Young. If you don't see your collector listed here, just ask. If we don't have the dust bag you need in stock, we will get it!

TITLE	NAME:	PHONE NUMBER:	EXTENSION:	EMAIL ADDRESS:	LOCATED
President	Robin Vance	(800) 444-4720	1249	rvance@fsp.tbm.com	
Vice-President	David Harrell	(314) 581-1342		dharrell@fsp.tbm.com	NC
Sales Manager	Dave Harper	517-861-1006		dharper@fsp.tbm.com	MI

Filtration Systems Products

- Since 1979 Filtration System Products has developed a trustworthy reputation for distributing some of the filtration industry's most dependable brands, including our own. FSP-manufactured dust bags, liquid bags, and die cut divisions are compatible with—and often recommended by—original equipment manufacturers. Our lab technicians conduct intensive analysis and testing in our Midwest lab or at your location to ensure you receive air, gas, chemical, and liquid filtration products that deliver the best possible performance solutions at a fair price.
- In 1979 Paul and Robin Vance purchased the filter division of Bemis Corp. and started FSP to manufacture and market knitted dust bags. By expanding quality product lines, nurturing mutually beneficial partnerships, and most importantly—hiring knowledgeable employees who share their passion for customer satisfaction—FSP has become one of the leading distributors of filtration products in the world.

Filtration System Products (supplies dust collector cartridges)

- Our engineering and design department can create custom dust bags in any shape, size or type. Our expansive variety of top-quality fabrics supports fine or coarse filtration for any dust collector. FSP custom bags are easily installed and changed out and offer numerous cost-saving options. We are your solution to problem applications!

Air Filtration

- With decades of experience in commercial air filtration, not only do we stock and manufacture the highest quality air filtration products, we employ knowledgeable technicians and sales people to help you determine the best filter for your application. We can analyze filter media and contaminants in our comprehensive St. Louis lab or at your location. We partner with filtration industry leaders, and FSP-manufactured dust bags are compatible with—and often recommended by—original equipment manufacturers.

Filtration Specialties

Filtration Specialties

Virginia USA

www.hightempfelt.com

- Filtration Specialties markets the Huyglas family of products. Huyglas was developed by Huyck Felt in the late 1970's to compete with expanded PTFE membrane media. The product's high temperature characteristics make it an excellent choice for applications where temperature excursions may create problems for other media. They compete with fiberglass in many industries; particularly carbon black and power. Initial problems with fragility created some marketing issues that Huyglas has struggled to overcome.
- The product was acquired by CECO Environmental in 1993.
- In 2002 Filtration Specialties, Inc purchased the Huyglas product line.

- Employees: 5 to 9
Sales Range: \$1,000,000 to \$4,999,999

- Filtration Specialties
4225 Sandy Bay Drive
Virginia Beach, VA 23455
Tel. +1-757-363-9818

Foust

- **Foust, E.L Company, Inc.**

www.foustco.com

- Address: 754 Industrial Dr, Elmhurst, IL 60126, Phone:(800) 353-6878

Since 1974 this Illinois company has manufactured air purifiers, including an air purifier for use in cars, utilize activated carbon, HEPA filters, and optional UV lights to remove dusts, molds, pollens, allergens, viruses, bacteria, and chemicals from the air. They also are a distributor of Everpure, Multipure and Hurley water filtration products (including whole house), which are all rated class 1 filters by the NSF for taste, odor, chlorine reduction, and particulate reduction.

\$1 mln - \$5 mln in Revenue

Employees: 5-10

Glasfloss Industries Incorporated

www.glasfloss.com

- Founded in 1936, as the Air Duct Installation Co., this company initially designed and built commercial ventilating and air conditioning systems. The company expanded into filter manufacture buying filter media from Owens Corning. "Glasfloss" was a patented soft spun media process introduced by Pittsburgh Plate and Glass. In 1958, PPG sold the registered name and Air Duct Installation Co. adopted the registered name as its own.
- Glasfloss has five plants in the U.S. The newest manufacturing plant is an 80,000 square foot facility located in Jacksonville, FL. The other manufacturing plants are in Dallas, Texas; Reno, Nevada, Lancaster, Ohio and Juneau, Wis. Headquarters are in Dallas, TX.
- Glasfloss' new products include the Glass Double Strut fiberglass disposable panel filter series and the Puracell VP & VPX mini-Pleat series for commercial and industrial applications.
- Filter types include electrostatically charged; carbon pleated; air cleaner replacement filters; automatic roll filters; pleated, bag, rigid cell, and cube configurations.

Address: P.O. Box 150469, Dallas, Texas 75315

Phone: (214) 741-7056 Fax (214) 741-4556

- approximately 100 to 250 employees
- annual sales of \$10,000,000 to \$24,999,999.

Genie

Genie Manufacturing Corporation

www.geniemfg.com

- Genie Manufacturing Corporation was founded in 1973, and is located in Rush, NY. Initially the company directed its efforts toward the distribution of filters for the industrial HVAC market. In 1974, the company began manufacturing specialty filters for use in office equipment, and due to growing demand, the filter distribution business was phased out.
- Today, Genie has three plants in Western New York providing products and services to customers like Xerox, Bausch & Lomb, Eastman Kodak, Lenmark/IBM, and others. The Rush, NY location is the company headquarters and the majority of the manufacturing is done there, including all their filters. A wide variety of materials and media are converted into toner, particle and ozone filters. Genie also produces a broad spectrum of particle and gas filters including activated carbon and extended catalytic materials, and combination filters to major copier and printer manufacturers for more than 20 years.
- In addition, Genie has funded research at a major US University to develop the next-generation ozone filtration media.
- A privately owned company with 2007 annual sales of approximately \$2 million, they employ 1,800.

999 Rush Henrietta Townline Rd, Rush, NY 14543

Telephone: 585.359.4100

Great Lakes

- **Great Lakes Filters**, Hillsdale, MI, is a \$10 million company providing filters, filter fabrics and filtration solutions for a wide variety of industrial applications. They have a cleanroom environment for their paper, non-wovens, woven fabric, micron rated products. Great Lakes is one of the pioneer companies who deal exclusively in filtering materials for industry. Samples can be analyzed for percentage of contamination by gravimetric methods using the membrane filter technique. Particle size can be determined by microscopic examination or Coulter Counter. Submission of five gallon samples enables their laboratory to actually filter the material and return a filtered sample for approval. A single tube or disc for pilot testing can provide reliable information to project full scale operation. Converting equipment enables the company to expedite deliveries of rolls, sheets, circles and special die-cut shapes. Fabrics include nylon dynel, orlon, dacron, teflon, nomex, glass, wool and synthetic felts.
- Great Lakes markets Parker Filtration cartridges (cleanable and disposable elements) with particulate removable from 0.2 to 200 microns. Parker vessels are designed for flow rates to 3000 gpm. Vessels can be built to specifications for special situations, high pressures, elevated temperatures, and aggressive fluids. Replacement filter elements are available for over 50 suppliers. www.greatlakesfilters.com
- Address: 301 Arch Ave, Hillsdale, MI 49242
Phone: (800) 521-8565

Sales Range: \$25,000,000 to \$74,999,999

Employees: 100 to 250

Greenlees Filter LLC/ United Air Filter

www.uafilter.com

- Greenlees Filter LLC, and its United Air Filter line of industrial products have been operating for more than 80 years. All products are manufactured in their 50,000+ square foot facility in Forest Park, IL. which includes a state-of-the-art filter-testing laboratory. They offer the flexibility to produce a custom filter in any quantity needed.
- Product lines include:
 - turbine air inlets, with different media and filter configurations available;
 - replacement filters for all types of dust collectors;
 - air filtration products for military vehicles;
 - filters for the powder coating industry;
 - air/oil separators for rotary screw type compressors.

2007 sales were approximately \$8.5 million, with 50 employees.

Address: 7550 Industrial Dr
Forest Park, IL 60130-2516

Phone: 708-366-3256

Hengst Automotive Portfolio

- Founded in 1958, we remain an independent German company managed by its third generation of family with all associated strengths: quick decision making, a high level of flexibility and 100-percent reliability. At the same time, we possess the skills and resources expected of a series supplier to the automotive industry. With around 3000 employees, we are active throughout the world with nine sites in Europe, North and South America and Asia. We have enjoyed strong, above-average growth for many years and are continuing to build up our international presence.
- Around 2500 different filter applications are proof of success: With our huge range of products, we are able to fulfill the most diverse requirements quickly, reliably and in premium quality.
- **Headquarters**
- Nienkamp 55-85 Münster, 48147 Germany,
Phone: 49 251 20202 0
- 29770 Hudson Drive
Novi, Michigan 48377 - USA
Telephone: 586-757-2995
- 1001-5000 employees
- The Group ended the year 2014 with sales just under 400 Mln Euros

Hengst acquisition of Nordic Air

Hengst has acquired all the shares of the Danish filtration specialist Nordic Air Filtration. The Münster-based filtration manufacturer said that the acquisition was part of its growth strategy.

- "Nordic Air Filtration's entire product portfolio is an excellent complement to our current expertise in the field of industrial filtration. Our goal is to expand our activities in the non-automotive market further and to transfer our competence and technology as a partner in the automotive industry to filtration applications in these related segments," said owner Jens Röttgering.
- Nordic Air produces industrial air filtration systems and it supplies dealers and original equipment manufacturers worldwide. The company has three locations in Denmark and in the UAE and employs around 100 staff who generate sales of over Euro15m/yr. Nordic Air Filtration has a very large portfolio of around 4000 different filter products and more than 20 different filter media for gas turbines and industrial applications. André Radley Grundahl, who was formerly Managing Director of Nordic Air, will continue to oversee business operations.
- Address: Bergenvej 1, 4900 Nakskov, Denmark
Phone:+45 54 95 13 90

Kavon Filter

- Custom-manufactured filters are produced here in our Farmingdale, New Jersey facility. Our [Fluid Bed Dryer Bags](#) fit **Glatt, Niro, Aeromatic, Fitzpatrick, Fluid Air**, and **Diosna** equipment, to name a few. Send us your sample filter or diagram with measurements and specifications and we will precisely duplicate your filter.
- Address: 5022 Shafto Rd, Farmingdale, NJ 07727
- Phone: (732) 938-3135
- the unit has a sales volume of \$3,675,000 and staff of approximately 15 people.



HEPA

HEPA Corporation

www.hepa.com

- This privately held company designs and manufactures HEPA and ULPA air filters and related products including fan filter modules, ducted modules, roomside replaceable modules, and gridless cleanroom ceilings.
- Founded in 1967, the company occupies an 110,000 square foot building in Anaheim, CA. Within this building, HEPA assembles all of its products, manufactures its own cartons, and injection molds plastic frames for filters.

They design their products to meet Six Sigma performance, an example being their Q3-4000 Gridless[®] Ceiling Filter System, which eliminates the grid system and gel.

3071 East Coronado Street
Anaheim, CA 92806

Telephone: (714) 630-5700

Sales: \$5 - 9.9 Mln

Employees: 50-99

Home Care Industries

www.homecareind.com

- Home Care Industries manufactures vacuum cleaner filter bags and filtration products. Their product line includes [Micro-Liner®](#) micro-filtration bags for filtration efficiency and allergen control, [Clean-Seal®](#) Closure Collar for bag disposal.
- With the acquisition of ALFCO's filter division (formerly a division of Donaldson Company's Airmaze subsidiary), Home Care now offers a full line of specialty filters for [floor care](#) and [room air purification](#) - ranging including HEPA and ULPA filters. In addition, ALFCO's commercial business includes a broad range of indoor air quality solutions in the areas of [equipment protection](#), [environmental health and safety](#), and [process emission control](#).
- Annual sales for 2007 were \$34.8 million. They employ 350. Corporate offices are located in Clifton, New Jersey. All products are manufactured in North America with distribution around the world.
- Address: 1 Lisbon St, Clifton, NJ 07013
Phone:(973) 365-1600

Industrial Filter Manufacturers

Industrial Filter Manufacturers

www.ifm1.com

- Located in Evansville, IN this privately owned company manufactures air intake filters, filter/silencers for air compressors, blowers and engines. Established in 1972, this company offers a wide range of filter media including carbon media to meet a variety of applications. Filter assemblies are available in carbon steel, stainless, hastelloy® and other specialty materials.
- They have 46 employees and had \$3.4 million in sales during 2007.

Address: 10244 Hedden Rd, Evansville, IN 47725

Phone:(812) 867-4730

Industrial Filtration

Industrial Filtration, Inc.

www.industrialfiltrationinc.com/

- California based Industrial Filtration is a privately held manufacturer of replacement bags for filtration applications. Operating since 1957, they offer baghouse accessories and liquid filtration supplies
Address: 1500 Daisy Ave, Long Beach, CA 90813
Phone:(562) 436-4228
- Revenue: \$3 Million; Employees: 11 to 50;

International Air Filtration Corporation

www.iafcleanair.com

- International Air Filtration designs, manufactures, and services indoor air quality systems, equipment and supplies. Founded in 1987, International Air Filtration is an acknowledged leader in the removal of microbial, particulate and gaseous pollutants in commercial, industrial, institutional, healthcare, energy,
- IAF was instrumental in the development of [IAF-600 Gas Media](#) , widely used in plants and chemical processing facilities throughout the world. IAF-600's unique oxidation process revolutionized the removal of acid gases, fumes and odors from workplaces such as transportation, petrochemical, and pharmaceutical facilities. Other products include non-fiberglass HVAC filters from prefilters through HEPA filtration, IAQ3 (a three- stage filtration system for airport terminal air filtration using medium efficiency prefilters, carbon cell gas phase filtration, and high efficiency electret final filters), and an oil mist collection system.

413 University Dr., Arlington Heights, IL 60004-1813

Phone: (847) 797-1000

- Employees: 6 – 19
- Current estimates show this company has an annual revenue of \$150,000.

Johnson Filtration Products

- **Johnson Filtration Products, Inc.** (JFPI), Amarillo, TX, manufactures precision depth wound filters, molded and wrapped series, activated carbon, and vessels. Manufactured from various medias, core types, lengths, O.D.'s, and end configurations, their wound filters are available in lengths above 10" continuous wind to prevent by-pass. Compound winding (10 micron inner wind and 50 micron outer wind) allows greater depth filtration for greater dirt loading and life.
- Applications are aerospace, beverage, food and drug, medical, chemical, oil and gas, photographic, power plants, water treatment, disposal wells and ground water. The company offers cartridges from 10 microns with anti-clogging surface, standard dimensions or made to request, ISO 9002 standard.
- Cartridge media includes activated carbon, acrylic, cotton, fiberglass, nylon, rayon, polyester and polypropylene. Vessels are part of Johnson's product line in plastics of all types, metal and fiberglass from 125 PSI with various configurations and connections. Estimated annual sales are \$10 million. www.johnsonfiltration.com
- Employees: approximately 20 to 49

601 Ross St, Amarillo, TX 79102

Phone: (806) 371-8033

Koch Filter

<http://www.kochfilter.com/>

- info@kochfilter.com | Contact Person: Customer Service
- 502-634-4796
- 502-637-2280
- PO Box 3186
625 W. Hill Street (40208)
Louisville, KY 40201

Koch Filter Corporation is recognized globally for its durable filtration products. Koch produces a full line of high efficiency pleated, box-style, pocket-type, V-bank mini-pleats, HEPA filters, cartridge filters, and many other specialty filtration products.

Revenue: \$26 Million

Employees: 201 to 500

Koch supplies GT inlet cartridges

www.kochfilter.com

- Koch Filter is a full-line manufacturer of commercial and industrial air filters for commercial, industrial, hospital, gas-turbine and painting applications. Made from a variety of media, filters come in a wide array of configurations, including extended surface pleated, micropleat, rigid cells, panels, metal mesh, carbon filters, automatic rolls, cubes, and can be treated with anti-microbial agents. Koch Filter has a 300,000 sq. ft. facility in Louisville, KY and manufacturing operations in Houston, Rancho Cucamonga, CA and East Greenville, PA. Koch Filter has estimated sales of \$56 million.

History

- In March 2010 Tomkins plc purchased Koch Filter Corp. for an undisclosed sum. Koch Filter 2007 sales were \$37.7 million. In 2012, Tomkins' Air Distribution division was sold to Canada Pension Plan Investment Board (CPPIB) for \$1.1 billion. Tomkins' Air Distribution division is a leading North American manufacturer of products that are used to distribute, recycle and vent air.
- Tomkins Air Distribution Fiscal 2012 sales for the period up to the date of sale were \$783.2 million (Fiscal 2011: \$882.9 million)

Lifetime Industries

Lifetime Industries, Inc.

www.lifetimeind.com

- Lifetime Industries Incorporated, founded in 1961, manufactures high quality permanent filters, moisture eliminators, and residential furnace filters. This Memphis, TN 155,000 sq. ft. manufacturing and warehouse company supplies components to the original equipment manufacturers in the commercial, residential, and automotive heating, ventilating, and air conditioning industries. In addition to air filters, Lifetime Industries can provide high performance contract manufacturing, product assembly and custom packaging services.
- Lifetime Industries offers a combination of products and manufacturing capabilities:
 - air filtration products,
 - polyester pads and rolls,
 - metal pad holding frames,
 - pleated air filters – multiple models and MERV efficiencies,
 - ring panel filters,
 - high efficiency pocket filters and rigid box filters,
 - HEPA filters,
 - permanent metal filters and moisture eliminators.
- Lifetime employs 100 people and had annual sales for 2007 of \$7.7 million.

Address: 2130 Memphis Depot Pkwy
Memphis, TN , 38114-4830

Phone: 901-362-5558, 888-311-4932

Matrix

Matrix Separations, Chattanooga, TN, products include XLC Filter Cartridges, E-Series Wound Depth Cartridges, SNO-SPUN (Thermally Bonded Cartridge), Molded Resin Bonded Filters, Filter Bags, Carbon Cartridge Filters, Filter Vessels and Pleated Cartridges.

- The XLC Cartridge (Extended Life Cartridge) is manufactured by a process which uses computer aided designs to construct a true graduated density product that allows unusually extended void volume for greater load capacity, longer life, and higher flow rate. The XLC Cartridge also retains its particle trapping effectiveness up to 99.9%. Matrix XLC cartridges are available in both nominal and absolute ratings. The XLC cartridge is available in Polypropylene Industrial, Polypropylene FDA, Xtrupor, Polypropylene Fibrilated, Bleach Cotton, Bleach Cotton FDA, Natural Cotton, Acrylic, Rayon, Polyester, Nylon, and Glass.
- Their E-Series wound depth cartridges pattern fibers to create consistently reliable filtration with a trapping effectiveness of up to 99%. Matrix wound cartridges offer a gradual pressure increase during cartridge life. The cartridges are offered in a wide variety of lengths from 4" to 50" and diameters from 1.5" to 4.5" and OD for easy vessel fittings. The E-Series cartridge is available in polypropylene industrial, polypropylene FDA, Xtrupor, polypropylene fibrilated, bleach cotton, bleach cotton FDA, natural cotton, acrylic, rayon, polyester, nylon and glass. Matrix SNO-SPUN thermally bonded filter cartridges are made of polypropylene resin meeting FDA regulation 21CFR177.1520. No binders, lubricants or antistatic agents are used in the manufacturing process. Matrix SNO-SPUN polypropylene filters have been tested and certified under ANSI/NSF standard 42 for material requirements only. The inert polypropylene resin provides exceptional chemical compatibility to handle a wide range of process fluids.
- Matrix cartridges are designed to provide high flow rates with minimum pressure drop. Flow rates of up to 5 gpm per 10" length are recommended and should not exceed 10 gpm per 10" length for optimal efficiency. The maximum operating temperature is 160 F (70 C).
- Sales Range: \$10,000,000 to \$24,999,999
- Employees: 50 to 100
- Address: 6000 Century Oaks Dr, Chattanooga, TN 37416
Phone:(423) 267-2397

Micronics (owns Southern Filter Media)

- Micronics Holdings Inc. is the parent company to Micronics Inc., C.P. Environmental and Southern Filter Media. Founded in 1983, Micronics is an expert in liquid/solid separation. A worldwide authority on Filter Cloth, critical to optimizing any Filter Press application, Micronics helps customers reduce costs, increase efficiency and extend the life of their filtration equipment. Headquartered in Portsmouth, New Hampshire with operations in the UK, Micronics provides Filter Presses, standard or custom, and supports them with service, parts, filter cloths, filter plates, and refurbishment at competitive prices. In December 2014, Micronics Holdings entered the Dry Filtration industry with the acquisition of **Southern Filter Media (SFM)** based in Hixson TN, a leading provider of high-quality filter bags for baghouse OEMs. In March 2015, C.P. Environmental was acquired adding change-out, cleaning, inspecting, maintaining, repairing, and consulting services to its Dry Filtration customers. Micronics Holdings is a portfolio company of Vance Street Capital, a Los Angeles-based private equity firm. For more information please visit www.MicronicsInc.com. Employees: 54
- Address: 200 West Rd, Portsmouth, NH 03801
Phone:(603) 433-1299
- \$10 mil. - \$25 mil.in Revenue
\$17,500,000

Midwest Filtration Company

www.midwestfiltration.com

- Midwest Filtration, Cincinnati, Ohio, provides solutions for filter media, media conversion and manufactured filtration products for both air and liquid applications. Manufacturing capabilities include slitting, rewinding up to 154", die cutting, sheeting, laminating and custom assembly of complete filtration solutions. They stock a complete line of woven and non-woven fabrics. They manufacture a general line of industrial filters and wholesales industrial filters
- The company has a 13,000 square foot facility. In 2007 they secured an ISO 9001:200 certificate.
- Midwest Filtration sales for 2007 were \$7.4 million. Employees: 50 to 99
- 9775 International Boulevard
Cincinnati, OH 45246
Phone: 513.874.6510

North American Filter

North American Filter Corporation manufactures air, gas and liquid filtration systems for applications in the chemical, petrochemical, utilities, general manufacturing, pharmaceutical, electric, automotive, fertilizer, glass, food and beverage industries. Our years of experience enable us to offer a complete line of filters designed to meet your most stringent requirements.

- **INDUSTRIES SERVED**
- NAFCO has the filtration products and resources to meet the application demands over a broad range of industries:
- Petrochemical
- General Manufacturing
- Power Generation
- Chemical Processing
- Glass Manufacturing
- Food & Beverage
- Pharmaceutical
- Automotive Industries

- Address: 200 W Shore Blvd, Newark, NY 14513
- Phone:(315) 331-7000
- \$10 to 20 million and employs a staff of approximately 50 to 99

Nafco air cartridges



North American Filter Corporation

www.nafcoinc.com

- North American Filter Corporation is a manufacturer of filtration systems for air, gas, and liquids, serving a broad range of industries. The company was founded in 1984, and introduced several patented filter products which are still in force today.
- North American Filter Corporation provides the filtration market with a wide selection of industrial filtration products and systems for air, gases and liquids. Three operating divisions offer products ranging from 0.1 micron to 100 micron filtration:
 - NAFCO designs and manufactures air intake, compressed air/gas and liquid filters. NAFCO's compressed air/gas and liquid filters are designed with NAFCO's patented Real Filter® or Sure Seal® Filter cartridges which eliminate contaminant bypass and provides greater flow capacity. NAFCO filters are designed for industrial gas production, natural gas pipelines, chemical and petrochemical processing and power generation.
 - Refilco®, established in 1934, specializes in the manufacture of replacement filter cartridges for the removal of particulate and water from lubricating, hydraulic and fuel oils.
 - The MicroStream® product line specializes in the design and manufacture of filtration products for liquids and gases for the most critical applications. Typical filter media used are polyester, polypropylene and PES membrane media. Absolute or nominally rated filters range from 0.1 to 90 microns. MicroStream® filters have a wide application in pharmaceutical, electronic, and in the food and beverage industries. Applications include filtration of water, solvents, gases, etchants and many chemicals.
 - The company's air intake filters can handle air flows up to 100,000 SCFM, with efficiencies from 0.3 micron absolute to 40 microns, filter protection for any compressor, engine, turbine or blower.
 - NAFCO filter housings are built of welded steel, designed for long term life for indoor and outdoor uses. They can be mounted directly on equipment, or remotely mounted on inlet piping. Connection sizes range from 1/2" to 60".
- Sales and manufacturing facility is located in Newark, New York.

Rosedale

<http://www.rosedaleproducts.com/>

- filters@rosedaleproducts.com
- 800-821-5373 or 734-665-8201
- 734-665-2214
- 3730 W. Liberty Road
Ann Arbor, MI 48103

Rosedale Products provides comprehensive solutions for every critical industry filtration need. Its vast array of easy-to-install and ready-to-service bags, baskets, housing elements and replacement parts answer every purification concern.

- 65 full time employees
- estimated \$10.2 million in annual revenue.

Serfilco

Serfilco, Northbrook, Illinois, was formed in 1961. This filtration and purification systems firm carries products for liquid transfer, steam cleaners, filter media, chambers and systems, automatic liquid filtration, filters for product improvement and for waste treatment. Products include thermoplastic pumps, filter chambers, filtration systems and pump accessories. Serfilco annual revenue is estimated at \$10 million.

- Their Maxi-Depth® and Maxi-Wind® wound filter cartridges feature true depth filtration, long service life, chemical and temperature compatibility, ease of service, pollution abatement, porosity selection and modular design.
- For electroplating solutions, porosities range from 1 micron to 100 microns in polypropylene or cotton fiber, 2 1/2" x 4", 6", 10", 20" or 30". The Maxi-Depth polypropylene cartridges with polypropylene core (for use with Serfilco chambers or other housings) are available in micron ratings 1 to 100; with modacrylic and polypropylene core the ratings are 5 to 100. The bleached cotton with polypropylene cores are available with the same specifications, as are those of orlon, rayon, polyester and nylon. The Purefybe® depth wound cartridges are polypropylene and have micron ratings 1 to 50, performing to 2000 F for most plating solutions and chemicals. The Maxi-Wind® 4" x 9 3/4" or 4" x 18" diameter cartridges have dirt holding capacity of 10 square feet equivalent and are designed for maximum solids loading at 10 gpm; micron ratings .5 to 30.
- Serfilco offers a number of other cartridges, including the Poly-Serf® pleated (free of resins, binders and surfactants), cleanable reusable pleated polyester with 10 gpm per 10" length, microfiberglass and polyester, the Tri-Pleated cartridge of all polypropylene with EPDM or Viton® elastomers, the Tri-Pleated membrane filter cartridge of polypropylene with polysulfone membrane (preflushed with pyrogen-free water), Polyspun® depth filter cartridges (1 to 30 micron) free of resins, lubricants, binders and anti-static agents, re-usable sleeve type filter cartridge (each 10" provides .6 square feet), carbon cartridges with adsorptive purification for organic removal and filtration for particulate removal, carbon cartridges for potable water and photographic, lead removal cartridges, photoprocessing cartridges, stainless steel, industrial, clay (fuller's earth), and replacements for industrial and EDM cartridges.
- Their Guardian filtration/purification system features non-metallic solution contact for compatibility with aqueous acid and alkaline solutions. In a range of capacities with flow rates to 14,000 gph, the chambers accept depth wound, pleated, cleanable-sleeve, carbon or optional 222 single-open-end cartridges. A separate purification chamber with flow control valve is available. www.serfilco.com
- Address: 2900 MacArthur Blvd, Northbrook, IL 60062
Phone:(847) 509-2900
- Revenue of \$10 to 20 million, Employs a staff of approximately 50 to 99

Shelco

- **Shelco Filters**, Middletown, CT, provides a complete line of filters for a wide range of industrial and high purity applications, including water and other in-plant liquids, gases, foods, beverages, chemical, petrochemicals, pharmaceuticals, cosmetics, photographic solutions, fuels, lubricants, paints and coatings, plating solutions and many other liquid applications.
- Founded in 1973, Shelco has wound cartridges aligned with cord layers for minimal pressure drop and efficiency rating 95%. Their single element universal housing accepts double open-end or 222 style cartridges. The Micro Sentry is made of roving materials with interwoven patterns with 98 percent efficiency and can hold 300 percent of its weight in dirt at 30 PSID. The Micro Sentry Absolute cartridge has 99.9 percent retention in micron ratings from 0.2 to 10 micrometers, lengths to 40".
- Shelco stainless steel housings are available in 304L and 316L with flow rates from 25 to 1500 gpm for hot and cold applications, rated for pressures to 150 psid at 300°F with v-band or swing-bolt closures. Shelco multi-cartridge filter housings made with 304L and 316L stainless steel are rated for pressures to 150 psi (10bar) at 300°F and temperatures to 250°F, depending on filter cartridge used. Buna-N gasket and poly-coat finish are standard. Selections include four, five round housings for DOE cartridges, universal, seven round housings for DOE and 222 cartridges and twelve round housings for DOE cartridges, and high flow models for DOE cartridges.
- Cartridges are available in MicroSentry FDA polypropylene for drinking water, MicroSentry bleached cotton for drinking water, MicroSentry white cotton wound, MicroSentry fiberglass wound, pleated with extended filter area, pleated polypropylene with an array of applications and Shelco FDA wound for Big-Glue filter housings. www.shelco.com
- Address: 100 Bradley St, Middletown, CT 06457
Phone:(860) 854-6121
- Estimated sales: \$480,000.00
Employees:10-49

Shelco Filters

<http://www.shelco.com>

- info@shelco.com
- 860-854-6121
- 860-854-6120
- 100 Bradley Street
Middletown, CT 06457
- [Cartridge Filters](#)
- [Filter Bags | Housing](#)
- [Filter Products](#)
- **Description**
- Leading manufacturer of commercial and industrial filters, including stainless steel filter housings; filter bags & bag filter housings; wound, pleated and depth style cartridges.

Sly

Sly Inc.

- Sly was founded in 1874 as a manufacturer of foundry equipment. The company's experience with dusty environments lead to its development of dust collection equipment. Sly holds the very first patent for a cloth-type dust collector issued in 1902.
- Sly manufactures a full line of industrial fabric filter dust collectors and baghouses, cartridge collectors, wet scrubbers for particulate collection, retractable dustless bulk loading spouts, and aftermarket parts for their own and competitors' dust collectors.
- Sly has been a privately owned company since 1874 and manufactures equipment in their own facility located in Mathiston, MS.
- 4526 Reed Road
Mathiston, MS 39752
- 33.536621 -89.119213 Phone: (662) 263-8234
- Estimated number of employees: 50
- Annual sales estimate: \$8,900,000

Southern Filter Media

- **Southern Filter Media (SFM)** has been producing dry filtration filter bags for OEM customers since 1973. SFM designs and produces standard and specialty filtration bags in its state-of-the-art, automated production facilities based in Hixson, Tennessee.
- SFM manufactures filter bags in a wide variety of fabrics – including Aramid, PPS, Fiberglass, Polyester (woven, felt and knit), and Polypropylene – and in a variety of diameters and configurations to meet our OEM customers' diverse baghouse requirements.
- SFM also offers pleated filtration bags, cartridge filters, cages, venturis, clamps & other baghouse parts & accessories, timer boards, pressure gauges, leak detection powder & precoat, inspection lights, sonic horns, valve repair kits, and more.
- Charlie Poe is the President of Southern Filter Media.
- SFM became part of the Micronics Engineered Filtration family of companies in December 2014.
- Address: 2735 Kanasita Dr, Hixson, TN 37343
Phone:(423) 698-8988
- \$9.2 million in annual revenues
Employees: 100 to 249

Standard Filter

www.standardfilter.com

- (800) 634-5837
- Standard Filter has two facilities:
- Carlsbad Research Center
5928 Balfour Court
Carlsbad, CA 92008
Phone:(760) 929-8559
- South Carolina Plant
1353 E. Black St.
Rock Hill, SC 29730
- Standard Filter manufactures filter bags for both standard and custom applications using PPS, Torcon, Procon, P84, Teflon, Fiberglass and ePTFE membrane. Their 30,000 ft² facility in California includes both manufacturing and laboratory facilities allowing Standard Filter to provide their customers with analysis of specific operational factors in order to assure optimum bag selection
- 49 employees
- Annual Sales: \$4,999,999

Tex-Air Filters

www.texairfilters.com

- Tex-Air Filters is part of the Allergy Clean Environments family. Tex-Air is a manufacturer and marketer of filters and filter services. Air filter products include commercial air filters, specific, odd sizes and custom filters, particle counter and belts for heating and air conditioning, ventilation and industrial applications. Over 90% of the business at Tex-Air is commercial in nature. They serve school districts, hospitals, municipalities, universities, office buildings, air conditioning contractors and other large filter users. The company carries over 100 different types of filters in stock and can produce custom filters for virtually any residential or commercial application.
- Manufacturing plant, offices and warehouse are in a 25,000 square foot facility in Fort Worth, Texas. Their technicians install over 20,000 filters a month for various commercial customers.
- Address: 5757 E. Rosedale, Fort Worth, TX 76112
Phone: (281) 421-7676

Annual Revenue: \$500,000 to \$1 million

Employees: 20 to 49

Textile Industries

We are known for our quality engineered aftermarket filter bags for dust control and dust collection, and the custom design and fabrication of liquid filter bags for filtration of paints, inks, adhesives, tinctures, solvents, etc. We also manufacture rotary drum filter covers, plate and frame filter covers, leaf filter covers, and Diatomaceous earth filter elements and element covers, used for anything from wastewater treatment to crystal clear swimming pool water.

Count on us to supply the replacement bags, tubes, sleeves and filter cartridges required to keep your liquid filter or dust collection system, reverse air, shaker, or pulse jet systems operating at peak efficiency. We supply the best filter cartridge for use in dust collectors and diesel engines. The premium blend media we use is engineered for maximum collection efficiency.

Made-to-order cloth filters in just about any fabric and fiber ... for just about every industry. We are a custom cut and sew manufacturer, and are specialists in the fabrication of quality-engineered textile pollution control and filtration products. Because we stock a broad range of materials, quick response to non-standard orders is the norm. And short runs of custom bags are a specialty!

- Sales Range: \$1,000,000 to \$4,999,999

Employees: 5 to 10

Textile Industries, Inc.

2414 W. Cullerton

Chicago, IL 60608-2401

(800)829-3117, (312)829-3112 *phone*

(312)829-3679 *fax*

sales@textileind.com

Tri-Dim

Tri-Dim was founded in 1968, and for over 40 years has been a leading manufacturer of HVAC filtration products, offering a full range of HVAC products and services – our products and services include:

- [HEPA/ULPA Filtration](#)
- [Gas Phase/Carbon Filtration](#)
- [High Efficiency Bag and Box Filters](#)
- [HVAC/IAQ Services](#)
- [Pleated Air Filters](#)
- [Air Cleaners](#)
- [Filter Housings for New Construction/Renovation](#)

Tri-Dim History

- Tri-Dim® Filter Corporation was founded in 1968 by John Stanley. Tri-Dim was founded on the principle of 'Value-in-Use'. 'Value-in-Use' simply stated is that the true value of a product should come from the products use. This is accomplished by providing such benefits as longer service life, better efficiencies, energy savings and other benefits through innovative approaches to air filtration.

By utilizing this 'Value-in-Use' philosophy Tri-Dim has experienced dramatic growth over the past several decades

Tri-Dim

www.tridim.com

- Tri-Dim Filter Corporation was founded in 1968 by Mr. John Stanley to develop and market innovative filtration media. This focus led to the development of one of the first depth loading medias designed to be an air filtration media – Tri-Dek®. Tri-Dim's growth over the past 35 years has included their IET Service Division, IDT Air Purification Equipment, Eaton Automotive Group, Poly-Tri Liquid Filtration, TFC De Mexico and Tri-Dim Canada divisions.
- Products and Services:
 - HEPA/ULPA Filtration
 - Gas Phase Filtration
 - Liquid Filtration
 - Final Filters (i.e. Pleated Filters, Panel Filters, Cube Filters)
 - Air Purification Equipment
- "Tri-Dek" media captures and retains particles within the full depth of 2, 3, or 4 distinct integrated plies, managing larger particles on the air entering side, and progressively smaller particles throughout the remainder of its depth.
- Tri-Dim air filters are used by the pharmaceutical industry, computer centers, nuclear power plants, film manufacturing plants, office buildings, high rise apartments, schools and universities, hospitals and laboratories, food processing plants, chemical industry, tobacco industry, printing plants, shopping centers asbestos abatement and many others.
- Address: 93 Industrial Dr, Louisa, VA 23093
Phone:(540) 967-2600
- Sales: \$105.8 Million
Employees: 201 to 500

United Filters

<http://www.unitedfilters.com/>

- a.arriaga@unitedfilters.com | Contact Person: Angie Arriaga
- 806-373-8386
- 806-371-7783
- 901 S. Grant, Amarillo , Tx
- United Filters is a manufacturer/supplier of filter cartridges, vessels, and fluid handling devices used for consumer, commercial/industrial, petro-chemical/gas, and municipal applications. Manufacturing locations in Texas and California are ideally located for domestic and offshore customer needs. Products are NSF42/61 certified.
- Sales: \$25 - 49.9 Mil
Employees: 1-9

Viskon-Aire Corporation

www.viskon-aire.com

- Established in 1979, Visikon-Aire, Salisbury, MD, is a manufacturer and marketer of disposable air filtration products. Using a variety of media including polyester, and fiberglass, Visikon-Aire produces a broad range of air filter products, configurations and efficiencies marketed to two industry categories:
- Paint spraying applications - includes automotive assembly and accessory plants, auto body repair shops, truck and bus plants, paint booth service entities and a large array of industrial painting operations. The products for the paint industry include diffusion medias, intake and exhaust filters, overspray collectors and a line of desiccant air dryers for compressed air lines. Visikon-Aire's products are in General Motors, Ford, Chrysler, Toyota, Nissan, Mercedes, BMW plants and others.
- Heating, ventilating, air conditioning (HVAC) - includes a broad line of high and medium efficiency filter products utilizing polyester and microfiberglass. High efficiency bags are offered in 45%, 65%, 85% and 95% efficiencies. In addition Visikon-Aire manufactures a variety of other V-pocket filters and panels. These products are used in hospitals, schools, government buildings, commercial and industrial facilities and other places where clean air is a requirement.
- Address: 410 Winfield Ave, Salisbury, MD 21801
Phone:(410) 543-8802
- Annual Revenue - \$10 to 50 Million
Employees, 20 to 49

World Wide Filtration/Filters Unlimited

- World Wide Filtration, Inc.
- Address: 5340 E Rd, Baytown, TX 77521
Phone:(281) 421-7676
- www.worldwidediltration.com/
- Filters Unlimited Inc
- World Wide Filtration, Inc. is a privately held local manufacturer of sewn filter bags (air and liquid), plate and frame cloths, vacuum, drum filters, filter belts, and custom made products per customer's specs.
- They also provide complete line of hardware (cages, venturis, etc.) for baghouses.
- Annual revenue of \$500,000 to \$1 million
- Employees: 1 to 4