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e-Filter Newsletter

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Welcome to e-FILTER, sponsored by INDA, Association of the Nonwoven Fabrics Industry. It is sent every other month to executives within the global filtration business and focuses on the latest news, new products, patents, legislative issues and commentary in the filtration industry. Check out the information at the end of this newsletter on how to subscribe or submit your company's information for inclusion.

INDA NEWS:

Filter Company Among Five Finalists for 2011 Visionary Award



Five consumer products ranging from disposable diapers to wipes to filtration media have been nominated as finalists for the 2011 Visionary Award.

Now in its tenth year, the Award – which is given annually to a new consumer product that utilizes nonwoven fabrics in its final form – will be presented at the VISION 2011 Consumer Products Conference, January 10-12, 2011 at the Park Hyatt in Carlsbad, California. The finalists will make presentations during

VISION 2011 and conference attendees will vote on the recipient of the 2011 Visionary Award.

“It is apparent from this impressive list of finalists that even in a challenging economy consumer products companies have invested in the development of new products,” says Visionary Award project coordinator Michael Jacobsen, of INDA, organizer of the annual VISION Consumer Products Conference.

“These five finalists represent the most significant advances in incorporating nonwovens technology into consumer products and they are being recognized not only for their technical attributes, but for their novel use of nonwoven

fabrics as well,” Jacobsen adds.

The five finalists are:

Global Safety First, Manasquan, NJ ... REDI MASK™ — REDI MASK™ is a patented Particle Respirator designed to eliminate the problems with mask



fit that plague the respirator market. REDI MASK™ is light, portable, effective and Made in the USA. It utilizes DelStar's electrostatically charged DelPore® melt blown media and a medical grade adhesive is used around the entire perimeter of the mask.

Kimberly-Clark, Roswell, GA ... Huggies® Jeans Diaper —



The Huggies® Jeans Diaper has a unique blue denim appearance

with printed graphics that replicate authentic blue jeans. The U.S. introduction included a newly developed pigmented and printed nonwoven outercover and matching components such as nonwoven stretch ears and a nonwoven landing zone.

Nutek, Chagrin Falls, OH ... Simply Soy® Biodegradable Wipes —



Simply Soy® Biodegradable Wipes both lubricate and clean and feature extra large, biodegradable wipes or towelettes with soy-based

lubricants and environmentally-friendly cleaners. Simply Soy® biodegradable wipes feature the same safe chemistry as

Simply Soy® lubricant and can be used to clean and lubricate tools and other metal surfaces to prevent rust-build up.

Procter & Gamble, Cincinnati, OH ... Pampers® Swaddlers and Cruisers with Dry Max™

— Pampers® Swaddlers and Cruisers with Dry Max™ utilize a new manufacturing process that makes the product



thinner while locking in wetness to make it the driest Pampers ever. This process allows the company to get rid of bulky fluff material and put the high powered absorbent gel exactly where babies need it.

Rockline Industries, Sheboygan, WI ... Flushable Moist Toilet Tissue —



By modifying the specifications and the addition of an engineered

geometrical quilted thermal emboss design, Rockline was able to create a durable, bulkier, softer moist toilet tissue product that maintains flushability. The product is more than 95% biodegradable.

Last January at VISION 2010 in New Orleans, Rockline's Regenerated Cotton Wipe received the Visionary Award over four other finalists. Other previous recipients include Ahlstrom's Disruptor Filter Media (2009); Kimberly-Clark's Spa Sensials personal care treatment (2008); Tyco Healthcare Retail Group's Swim Pants (2007); Chicopee's Disaster Relief Blanket (2006); Fiberweb's Resolution Print Media (2005); Church & Dwight's Brillo Scrub 'n' Toss (2004); FMJ ChemBio's Civilian Quick Escape Mask (2003); and Procter & Gamble's Swiffer (2002).

For more information on VISION 2011: www.inda.org

VISION 2011 Conference Boasts Innovative Program



In addition to the prestigious Visionary Award mentioned above, INDA has put together

an ambitious, far-ranging program for VISION 2011 that will focus on topics as diverse as Brand & Market Strategy, Social Trend Forecasting and Boomer Demographics.

"The world of consumer products is constantly evolving and for the past decade the VISION Consumer Products Conference has kept the nonwovens industry and its related businesses up-to-date



Rory Holmes

on these changes," says Rory Holmes, president of INDA. "Attendees at VISION 2011 will

once again have the opportunity to hear from some of the country's most well-respected experts on the topics that will now drive the consumer products and nonwovens industries for the next 10 years."



One of the unique new features of VISION 2011 will be a "Speed Networking" session. Described as "compressed networking in a low-pressure environment," Speed Networking provides attendees with three minutes to talk and share business cards with a fellow attendee before moving on to make another connection. They then spend the rest of their time at Vision cultivating those contacts and developing them into credible relationships. Space is limited and pre-registration is required.

Among the program highlights of VISION 2011:

- A session titled "The World



Ahead: Global Trends Shaping the Future," led by Paul Leinberger, SVP Global

Accounts, The Futures Company.

- "Global Hygiene Trends," presented by Pricie Hanna, of John R. Starr, Inc., will discuss new trends that are taking shape in the global hygiene.



Accounts, The Futures Company.

- "A Flushability Update – What Consumers Flush" session led by David Powling, Kimberly-Clark and chairman of INDA's Flushability Task Force.



Accounts, The Futures Company.

- Special guest Keith Crisco, Secretary of Commerce, the State of North Carolina, will present a session on "What Tools Are in the Toolbox?"



Accounts, The Futures Company.

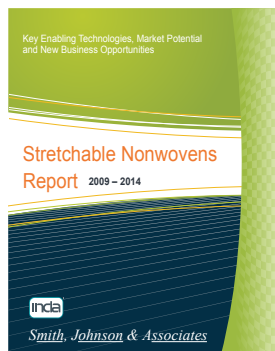
- A final session on "Sampling, the Hot Targeting Tactic," will be led by Kevin Burke, of Lucid Marketing.



As usual, there will be plenty of networking opportunities at VISION 2011 with two nights of Table-top Displays and Networking Receptions. Vendors from the complete nonwovens/consumer products value chain will showcase their products during the Table-Top Displays and Receptions, making it an ideal opportunity to reach current and potential new customers from around the world.

For more information on exhibiting at the Table-Top Displays, contact Tracey Bailey at 919-233-1210, ext. 129, tbailey@inda.org. There are a limited number of spaces available, so please reserve your space as soon as possible. Early registration for VISION 2011 ends in December. To register online go to www.inda.org, or call INDA at 919-233-1210.

Stretchable Nonwovens Report Now Available From INDA



The technologies behind stretchable nonwovens, along with market opportunities and an explanation of market end uses, highlight the "Stretchable Nonwovens Report," authored by Smith, Johnson & Associates and recently released by INDA.

The extensive report examines the Top 5 Enabling Technologies related to stretchable nonwovens, along with new business opportunities by market segment and an executive summary that ties together all of the information in the report. Also included is a review of market and technology drivers by market segment for stretchable nonwovens.

The Stretchable Nonwovens Report is the first collaboration on a technical report by INDA and Smith, Johnson and Associates. Primary author Keith Osteen, of Smith, Johnson, points out that this is the most comprehensive report available on new developments and technologies for stretchable nonwovens fabrics and composites.

"We believe this is the most comprehensive report available on the market forecast, new developments and critical enabling technologies for stretchable nonwovens fabrics and composites," says Osteen.

Among other highlights of the Stretchable Nonwovens Report:

- Value proposition and benefits of stretchable nonwovens
- Industry update, including 38 new developments

- Market end-uses, including a forecast and potential for each
- Two-year key patent and application assessment by technology and company

- More than 100 figures and tables

The complete report is available to INDA Members for \$3,950 and to non-members for \$4,950.

Smith, Johnson & Associates is a full-service, world-wide consulting firm in the businesses, markets, technologies, equipment and materials associated with the industry of nonwovens. The firm employs a core of nonwovens experts together with a strategic network of Associates around the globe.

For more information or to purchase the Stretchable Nonwovens Report: www.inda.org, or contact Helena Lee, phone: (919) 233-1210 ext. 120, hlee@inda.org.

2010 Filtration Conference and Exhibition a Success



As the global economy continues to rebound, the

business of filtration continues to play an even more important role in industrial and consumer applications. With this as a backdrop, the Filtration 2010 International

Conference & Exposition – the world's largest filtration event – took place this week and thousands of industry professionals traveled to the Pennsylvania Convention Center

for the three-day Conference and trade show.

"The state of the economy is on everyone's minds, but the companies exhibiting and attending Filtration 2010 recognize the need to continue to invest in technology, equipment, processes and people to prepare for the future," says Rory Holmes, president of INDA, the organizer of the annual event.

"The products made and sold by exhibitors and attendees are taking on increased importance in our everyday lives," Holmes adds. "That is why we say that the future of the filtration industry is on display at Filtration 2010." More than 115 exhibitors

from all links in the filter supply chain showcased the latest products, technologies and end products for filtration, while an extensive three-day Conference Program covered diverse aspects of filtration technology, new products and research.

INDA reports that 1400 attendees from 30 countries gathered in Philadelphia for Filtration 2010 to network, attend the Conference and walk the aisles of the Philadelphia Convention Center.

Holmes points out that the annual Filtration show rotates between the Midwest and the Northeast and, as a result,

each year 50% of the attendees are new from the previous show. This allows for a unique exchange of ideas among attendees and exhibitors while facilitating meetings among the local business community every two years.

See related story below on news and activity from the 2010 Filtration Exposition and Conference.

FILTRATION INDUSTRY NEWS:

Ahlstrom Considers Closing U.K. Line



Ahlstrom recently announced that it is considering the possible closure of its spunlace composite production line number 23 in Chirside, U.K. Such a decision would

impact 11 employees at the most. The production line is currently underutilized and the level of activity is not enough to support the economic viability of the line, according to the company. It produces nonwovens used in medical and wipes applications as well as for the automotive industry. In the case of

closure, activity from this line would be relocated to other Ahlstrom lines. The Chirside plant employs about 225 people and is part of Ahlstrom's Food and Medical Business Area.

Hollingsworth & Vose Files Patent Suit Against ECN Industries



Hollingsworth & Vose, through its subsidiary Hollingsworth & Vose Air

Filtration, Ltd., last month served a patent infringement lawsuit against ECN Industries, Inc. The suit, filed in the United States District Court for the District of Delaware, alleges that ECN's electrostatic air filtration products sold under the "Alphastar"

brand name infringe H&V's U.S. Patent No. 6,623,548. The suit seeks damages and an injunction against future infringement.

Micro Fresh to Become Part of Filtration Technologies



Freudenberg Filtration Technologies has entered into a joint venture with Micro Fresh Filters (Aust.) Pty. Ltd. by acquiring a majority share of the Australian company. Micro Fresh Filters is a specialist in manufacturing technically demanding filters for the mining and raw material

processing industry. With this venture, Freudenberg Filtration Technologies will expand its portfolio of filter cartridges and secure a solid base for further growth in Australia.

"With the integration of Micro Fresh Filters our Australian customers benefit from an enlarged product portfolio and new service solutions for enhanced and energy efficient filtration performances," said Dr. Jörg Sievert, president and CEO of Freud-

enberg Filtration Technologies.

Micro Fresh Filters' founder and managing director Raymond de Jersey added, "This is an exciting development for Micro Fresh with the prospect of us being able to access FFT's considerable product range together with their internationally recognized technology and solutions for our customers."

Freudenberg Sets Environmental Standard with Lutradur ECO



In other Freudenberg news, Freudenberg Nonwovens'

spunlaid division is setting a new environmental standard with its Lutradur ECO, a polyester nonwoven fabric made from 100% post-consumer recycled (PCR) plastic. The result is a high--

quality product range that is helping customers and Freudenberg Nonwovens achieve sustainable, "green" operations and design. Demand for Lutradur ECO has been growing so steadily that

Freudenberg Nonwovens will restart an idled spunbond line to increase production of the recycled fiber by the end of the year. The move will result in the creation of 16 new jobs at the Durham plant.

"We are proud to offer Lutradur ECO, a unique green product produced through a sustainable, ecologically-sensitive process," said John McNabb, North American general manager of Freuden-

berg Nonwovens. "We have invested years of time and resources to commercialize this product. In most applications, Lutradur ECO performs as well as our existing Lutradur product."

Development of Lutradur ECO has evolved over the past 10 years as Freudenberg sought ways to help its construction, landscape and filtration customers achieve coveted LEED (Leadership in Energy

and Environmental Design) credits for their use of sustainable products. Material and manufacturing engineers pushed to increase the amount of post industrial recycled (PIR) material used to produce Freudenberg's traditional Lutradur material from 15% to 90%. When the company migrated to 100% PCR, Lutradur ECO material was born.

Monadnock Non-Wovens Completes Phase Two of Factory Expansion

Monadnock



The latest phase of development of the Monadnock Non-Wovens' Mount Pocono manufacturing facility is

completed and is now occupied. The 7,500 square feet of new space will improve packaging, warehousing and shipping activities and completes a three-year facility expansion including more than doubling output, increasing production space

by 50% and adding 45 new jobs. The extra space allows the main building to be dedicated to production and quality control with space to install two more production machines in the future.

Nanofiber Conference Will Return to Raleigh

At Nanofibers for the Third Millennium (N3M), held this summer in Raleigh, N.C., co-hosts Elmarco and the Nonwovens Institute at North Carolina State University announced that the N3M conference will return to Raleigh in 2011 on August 29-31.

Nearly 200 academic, research and commercial attendees made the journey to Raleigh for the N3M 2010 event, which concluded with the unveiling of Elmarco's U.S. showroom. The show's focus on bringing together leading academic and commercial users of nanofibers provides a

unique venue to accelerate the commercialization of nanofibers. The 2010 N3M conference was the third such event and this is the first time it was held out of Elmarco's home country of the Czech Republic.

Filtration Conference and Exposition Round-Up

This week's Filtration Conference and Exposition was a resounding success. Here's a quick look at the news from the show:

A2Z Filtration Expands: A2Z Filtration Specialties, a designer and manufacturer of filter production lines, filter testing equipment and filter components, is now offering complete solutions in the field of filter manufacturing lines. Some of the developments touted at Filtration 2010 were Spiral Tube Forming Making Machine, Embedding Machine for Metal Free Eco Filters, Winding Machine for Fuel Filters, a next generation of Mini Pleat Blade Pleaters and Rotary Pleaters, high speed Automatic Seaming Machine Line for Spin on Filters and an automatic Cabin Filter Line.

Ahlstrom Showcases Full Line: Ahlstrom showcased its full range of filter media solutions for transportation, advanced filtration and dust filtration markets. For the transportation market, Ahlstrom offers filter media for Air Intake, Oil, Fuel, Cabin Air and Transmission applications. The company has been developing solutions for ultra low sulphur diesel applications, including Biodiesel solutions. Its Advanced Filtration business

unit offers a range of filter media technologies — Disruptor, Trinitex, Microglass, Fine Fiber and many other media technologies.

Dilo Gets To The Point: Dilo, a supplier of Dilo needlelooms and crosslappers, Spinnbau carding machines and airlay equipment and Temafa opening/blending lines used in the manufacture of nonwoven fabrics, highlighted solutions throughout the speed range from below 80 m/min to 200 m/min depending on application. The company's Alpha line is designed for medium throughput speeds up to 80m/min and represents a compact and economic solution that can be applied to filtration fabrics.

Donaldson Gets Extreme: Donaldson Membranes introduced Tetratex Extreme ePTFE membrane filter media. For use in industrial fabric filter applications, the aim of all Donaldson Tetratex ePTFE membranes is to maximize filtration efficiency, airflow and operational durability. Tetratex Extreme displays a significantly higher permeability to previous Tetratex membranes and delivers increased dust collector airflow characteristics and excellent particulate capture

rates. The complex structure of the membrane ensures particulate emissions can be maintained at near-zero levels for the operational life of the media.

MPP Provides Release: MPP highlighted the expansion of its Chrome-Teflon based EZ Release coatings. In addition to the standard EZ Release the company is now offering enhanced release and traction release variations of this coating. MPP's new coatings are formulated to provide enhanced abrasion, corrosion, chemical and permeation resistance. Surface finishes ranging from four to 400 Ra are offered in various application specific flouropolymer systems.

Enka Tecnica Dies for Filtration Media: Enka Tecnica highlighted its activities in the nonwovens sector, including supplying long spunbond spinnerets, melt blowing die tips and hydroentangling jet strips. A smaller but growing part of Enka Tecnica's activity is micro products, such as special nozzles for follow fiber membranes. Enka Tecnica is capable of producing extremely critical and delicate nozzle assemblies for the production of the highest quality hollow fiber membranes with the most accu-

rate tolerances in terms of wall thickness and concentricity.

Fi-Tech Filter Screens: For more than 20 years Fi-Tech has been an importer and distributor of wire mesh filter screens to the extrusion industry and spent Filtration 2010 highlighting its ability to fill client's needs for belt filters or spot welded screens for screen changers or bound filters for filament, staple, meltblown, spunbond, recycling or other melt extrusion process.

Franklin Getting Sticky At Filtration 2010: Franklin Adhesives & Polymers introduced a line of adhesives for the range of bonding applications in the assembly of filters. The company featured a selection of polyurethane polyvinyl acetate, cyanoacrylate, pressure sensitive and additional adhesive technologies to handle applications ranging from filter media sealing to end cap potting and general filter assembly. The division also demonstrated the speed and power of its Instant Bond, a new cyanoacrylate adhesive for gasket assembly.

Freudenberg Touts Sustainability: Freudenberg Filtration Technologies highlighted its sustainability efforts and commitment to the environ-

ment. Incorporation of recycled products, improvement in energy efficiency, reuse of expended energy and landfill avoidance are all areas of focus in Freudenberg's sustainability program. On the recycling front, Freudenberg is introducing Viledon ECO, a green filtration media made with Post-Consumer Recycled polyester, extending the lifecycle of an original product for reuse into another application. PCR comes from converting used polyester bottles into a raw material that can be fed into the manufacturing process.

Two Breakthroughs at H&V: Hollingsworth & Vose introduced two next-generation filter medias. Its Hydraulic Filter Media reduces fluid flow restriction by 50% in a 10-micron media. This helps cut overall system energy requirements while delivering increased reliability, less maintenance, and longer life for filters and pumps. Secondly, the new Molecular Filter media provides molecular and particulate filtration combined in one. It removes and controls odors, VOCs, toxic gases, and airborne pollutants to avoid health hazards and disruptions in technical processes.

Hermann Goes Spinning: New from Hermann Ultrasonic was

its Ultraspin module, which offers a newly designed bearing sleeve technology more efficient than the alternative diaphragm system. It can be combined with the field proven and patented Microgap control, which is used with a static sonotrode. The closed-loop control allows it to bond materials with consistent quality while ensuring there is no contact with the anvil. The new sleeve technology withstands high bonding forces and the rigid design allows for high speed continuous and intermittent application.

Tenax Celebrating Its 50th: Tenax was at Filtration 2010 celebrating 50 years in plastic technology. Tenax designs and produces single or dual-flat extruded nets for filtration cartridges used in different fields: air, industrial fluids, water, pharmacy, food industry and others. Filtration products available from Tenax include pleating supports, rigid mesh tubes, outer protection for filters, spacers.

Irema Pushing Synthetics: Irema-Filter promoted its filter media, which feature a well-balanced ratio between pressure drop and filtration efficiency. By means of its Integrated Nanofiber Technology Irema is able to fulfill most recent requirements

from the industry such as high mechanical efficiencies, low pressure drops and an energy efficient life cycle performance. In addition Irema has long experience in the HVAC industry and offers pleatable media as well as pleated packs (slabs) according to Ashrae 52.2, EN779 and EN 1822.

Mahlo Unveiling Infrared

Sensor: Mahlo's new IMF sensor accurately measures both basis weight and moisture with a single sensor. The IMF sensor is designed for nonwoven webs in the 8 to 80 gsm weight range. For a typical polypropylene nonwoven web, the Mahlo IMF exhibits measurement repeatability in the tenths of a gsm. Simultaneous moisture measurement repeatability is better than 0.1%. A different infrared wavelength is used for the basis weight and moisture, and at least two independent reference wavelengths for each measurement eliminate any influence (crosstalk) between moisture and basis weight.

Nordson Features SureFoam:

Machinery manufacturer Nordson featured its new SureFoam foaming dispense systems that combine hot melt adhesives or sealants with inert gas to create a closed-cell foam. The gas content can be up to 50% by

volume, so up to 50% reduction in adhesive consumption. In addition to material savings, foamed material provides several performance benefits, including increased bond strength, reduced running and sagging, improved gap filling, increased open times, faster set times, and lower heat density.

Master Weaving at Phifer:

Phifer, a master weaver with more than 50 years of experience, manufactures and supplies aluminum, low carbon steel and PVC-coated fiberglass for use in filters. The company promoted its variety of meshes that provide a range of choices for adding strength and support to virtually any type of medium, including cellulose, glass and synthetic.

All Set at Polyset: Polyset was at Filtration 2010 highlighting its ability as a urethane supplier willing to work directly with its customers on product development. Its filtration focus for more than 30 years allows it to provide filter manufacturers with expertise from the very beginning stages of product development, including specific knowledge of application requirements and material formulations, all the way through to final product qualification.

Oil's Well at Precision Filtration: A simple yet comprehensive oil quality program that incorporates Precision Filtration's high-efficiency mobile filtration equipment was highlighted last week. This program can quickly pay for itself by eliminating just one critical equipment failure. Precision Filtration Products specializes in designing and building custom mobile filtration equipment for transferring new oil, extending oil and equipment service life, and achieving and maintaining critical ISO cleanliness codes in hydraulic and lube oil systems.

Flexibility at Reicofil: With a production speed of up to 1000 meters per minute, the new Reicofil six-beam plant for hygienic and medical applications is the fastest running pilot line in the world. It is one of two lines available to Reicofil customers in the company's 20,000-square-foot nonwovens technology center. A key feature of Reicofil's meltblowing pilot line highlighted during Filtration 2010 was its flexibility, offering customers' products with specific barrier, absorption and filtration properties.

Sealant Seals The Deal: The See-Flo 7 Pneumatic Meter, Mix Dispense System from Sealant Equipment offers

economical, reliable and trouble-free continuous flow metering, a regulator adjustable flow rate feature to meet product flow rate requirements and is ideal for filled and unfilled low to medium viscosity materials. The company also highlighted its Servo-Flo 704 Servo-Gear Meter, Mix and Dispense System. The dual independent-servo drive gear meter design provides an electronic change ratio when using different formulations, fast and precise ratio adjustment for varying durometer, quick change of dispense volume when changing filter sizes and the ability to change flow rate on-ratio during the dispense cycle.

Sonderhoff USA Mixes and Doses: Sonderhoff USA was at Filtration 2010 presenting its newest mixing and dosing machine technology. Its DM403 machine is a multi-component high performance semi- or fully-automatic mixing and dosing system for 2K, 3K foaming, sealing, gluing and potting different types of components. Also introduced was its newest foam gasket development. Fermaskin is the new generation of sealing technology, a two-component polyurethane foam gasket with a flexible elastomeric and protecting skin layer. For the first time it is now possible to produce a gasket

that offers high tensile strength and exceptional resetting ability with minimum water absorption.

Superior Setting the Bar Higher: Superior Felt & Filtration continues to re-invent the worldwide business model and reports that medical filtration has been the company's fastest growing segment. Superior manufactures, distributes and converts for many medical filtration applications, including bacterial and viral filtration, sleep apnea as well as NIOSH approved respirator units. The company also services high-efficiency filtration platforms like Spirometry, Heat Moisture Exchange, Cabin Air and Medical HVAC applications.

Ungricht Is on A Roll: Ungricht's product offering to the nonwovens industry includes thermal bonding calender rolls, embossing rolls, coating rolls, heated rolls, cooling rolls, smooth rolls, calibrating rolls and ultrasonic anvil rolls – all supported by a huge library of more than 20,000 engraving patterns. In addition to new rolls, Ungricht also offers re-engraving and refurbishing services.

UAF Debuts Ultra-Thin Air Filter: Universal Air Filter unveiled a 0.125-inch-thick filter design applicable for any

industry or market where a filter is required to fit in smaller spaces. In addition to using the thinnest media available to meet UL flame safety standards, this filter can be applied to unique designs requiring multi-sided, special-shaped frames. The assembly can include a flattened, open Uni-grid support or an integrated, open-perf pattern to maximize airflow or match industrial design preferences.

Paint Pockets Goes Green: Users can finish up to 500% more parts between filter changes with Paint Pockets Green's patented Diamond Pocket Technology. Its Green overspray arrestors' hold up to five times more overspray than other filters, and Paint Pockets Green is specially engineered to filter both liquid and powder coating overspray generated in industrial applications. This filter is specifically designed and priced to replace expanded paper, fiberglass and other lower efficient lower cost filters.

Recruiting Solutions at Filtration 2010: The Filtration Group of Recruiter Solutions International is an executive search firm that specializes in the filtration industry. Led by Lisa Sprowls, the group works with manufacturers, distributors and municipalities and specializes in placement of

senior level executives, general, plant and production management, supervisory positions, technical and engineering positions as well as sales and sales management positions.

AAF Controls the Air: AAF International (AmericanAirFilter) was at Filtration 2010 highlighting its variety of products for removing and controlling airborne particulate and gaseous contaminants. AAF is a major manufacturer of fiberglass HVAC filtration media, available in bulk roll form or pre-cut pads.

Visit from the Stork: Stork Veco was at Filtration 2010 offering electroforming and etching services for a range of cost-effective, custom-designed metal products,

including filter media. It offers filters with hole diameters from below one micron up to 1000 microns. These processes are known for producing parts with very uniform dimensions, tight tolerances and a high degree of part to part repeatability. The company's micron and sub-micron filters were featured, along with its Veconic plus filters for applications requiring larger aperture sizes and greater throughput.

Interstate Specialty Goes Digital: Interstate Specialty Products, a provider of precision die cutting and specialty gasket fabrication services for science and industry, has begun providing digital die-less cutting services. This new capability offers a range of benefits,

including quicker job set up and run time, greater precision, increased flexibility, and lower costs. Interstate's new digital cutting service can create intricate parts with exceptional edge quality, and tolerances of +/- .005 for dimensionally stable materials under 5 inches, +/- .010 for those in the 5- to 12-inch range, and +/- .015 for those materials 12 inches and larger. Digital cutting is available for parts ranging from miniatures of less than one inch to those up to 60 X 120 inches.

Filtration 2010 News from Asia

Microfibers from China ... Chongqing Zaisheng Technology Development Co. a state-level high-tech corporation, is the largest manufacturer of glass microfiber filter media and the leading manufacturer of glassfiber VIP core material in China. Its products include glassfiber filter media (ASHRAE F6-F9, HEPA H10-H14, ULPA U15-U16) and glassfiber filter

media for hydraulic filtration from 1 micron to 30 micron; and VIP core material.

Guangzhou Longhuilong Filter Co., a manufacturer of industrial PE/PP/NMO filter bags, has set up another modern factory certificated with ISO9001, covering 8800-square meters. The company added production lines for PE and PP needle felt

filter cloth, along with nylon monofilament cloth and air filters. HL Filter

Shanghai LingQiao PTFE Media ... Shanghai LingQiao EPEW Co.was at Filtration 2010 highlighting its PTFE membrane filter media and filter bags, PTFE staple fibers, PTFE scrims, PTFE sewing thread and ePTFE sheet. Its PTFE membrane filter media

have been tested by Environmental Testing Service and the results compare favorably with those from other leading

manufacturers and its PTFE membrane filter bags have been installed successfully around the world in

baghouses at cement kilns, incinerators and boilers.

More Filtration 2010 Company Briefs

Universal Air Filter Polyester Media ... UAF's polyester media is an inexpensive, flame-retardant, low pressure drop, nonwoven material. This disposable media is designed for telecom, medical, power gen, computer networking or military product applications. Polyester media is flame retardant and rated UL 94 HF-1 and UL 900 Class 2.

Helix International Spiral Fluted Tubes ... Helix international is unveiling its spiral fluted tubes in diameters from one inch and larger, thickness from 0.008 inches and length from one inch.

Perforating at IPS ... International Perforating Services (IPS) is highlighting its capabilities for quality perforating of nonwovens, plastic film, paper, foil, foam, and artificial leather with perfect holes from start to finish. In addition to performing contract-perforating, IPS can also supply perforated polyester film and perforated polyester nonwoven to replace the

traditional perforated metal cartridge filter tubes.

Tailored Expansion ... Tailored Chemical Products has completed a manufacturing plant expansion to handle growing demand in adhesives for the filter industry. Tailored specializes in both water based and hot melt adhesives for filters.

Idrosistem Water Filtration Plants ... Idrosistem energy srl is the world's only supplier of water filtration plants designed specifically for pure water applications. Idrosistem offers a range of solutions for water recycling and wastewater treatment, including sand filters with patented back-washing and internal flotation, dissolved air flotation, UV sterilization and the patented Band Bio Float filter which combines a band filter with flotation and biological treatment in one compact unit.

Jentschmann Pleated Filters ... Automated pleating

machines provide a cost-effective way to produce pleated filter stock, but until now there has not been a similarly effective way to join pleated filter edges. Using the Jentschmann rotary sonotrode allows the Weld-Sonic Filter to weld or glue the pleated edges together in a continuous high speed process – over any length required. Precision guiding devices ensure the pleat edges are aligned and optionally insert heat activated adhesive tape when bonding non-thermoplastic materials.

Wista Perforating Machines ... Wista is a supplier of punch perforating and micro-perforating machines and tools. Punch perforating is generally used for producing visible holes and micro-perforating is thought of as producing "invisible" holes. In addition to supplying perforating machines and tools, Wista also offers contract perforating services where it has 22 of its own machines in full production.

That's all for this month. Feel free to contact editor Michael Jacobsen at 201-396-7005 or email at [mjacobson@inda.org](mailto:mjacobsen@inda.org).