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Issue 268 World Brush Expo Edition

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Unveiling Ibiza's Natural Wonders

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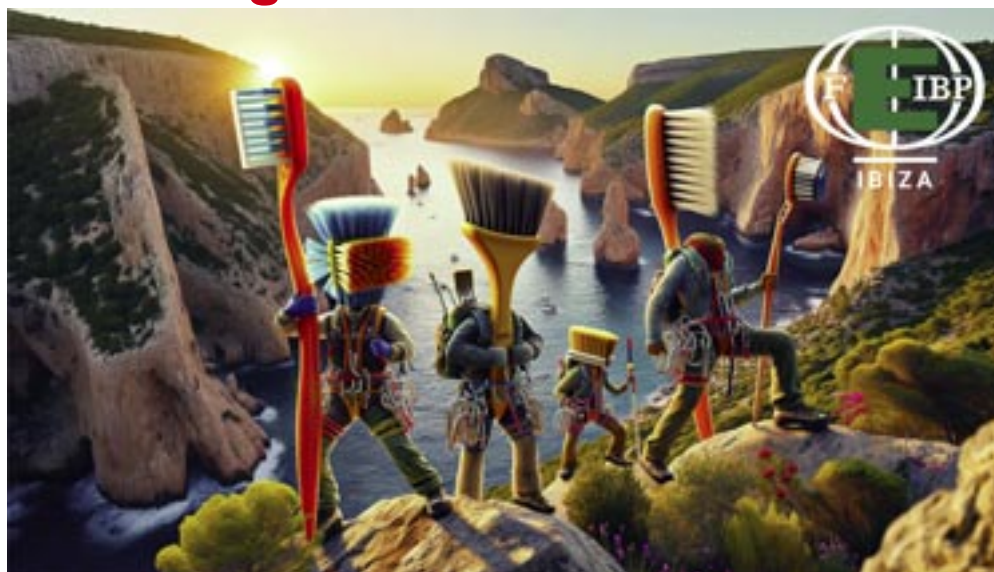
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Hello, FEIBP Adventurers!
As we edge closer to our congress in Ibiza, it's time to take a moment to appreciate the stunning natural landscape that surrounds us – not just the beautiful beaches, but also the lush countryside and hidden coves that make Ibiza a paradise for nature lovers.

The Breathtaking Nature of Ibiza
Ibiza may be famed for its vibrant nightlife, but it's also a haven of natural beauty waiting to be explored. From the rustic charm of its pine-clad hills to the crystal-clear waters hugging its coastline, Ibiza offers a tranquil backdrop to our bustling congress schedule.

Meet Our Keynote Speaker: Araceli Segarra

In a delightful contrast to our serene island setting, we are thrilled to introduce Araceli Segarra – an extraordinary mountain climber, the first Spanish woman to reach the summit of Everest, and a prolific author. Her book, "Not that high and not that difficult," mirrors the challenges we face, whether scaling towering peaks, navigating the complexities of business, or forging strong partnerships. Araceli will guide us through mastering the seemingly insurmountable, reminding us that "no man/company is an island,"

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perfectly embodying the theme of our congress. Her insights promise to inspire and elevate our perspectives on overcoming challenges and enhancing cooperation.

Reminder: Complete Your Reservations!

Secure your spot at this unprecedented gathering:

* Book Your Congress Spot: FEIBP Congress Registration

* Secure Your Stay: Ensure your accommodations by emailing reservas@hoteltorredelmar.com and mention "64th CONGRESS FEIBP." Booking through other platforms like Booking.com will result in higher rates.

A Congress Like No Other

Prepare to be captivated by Ibiza's enchanting natural beauty and to be inspired by stories of resilience and teamwork from one of the world's most accomplished climbers. This congress is not just an event; it's an experience that will challenge, motivate, and unite us.

Looking forward to exploring both the heights and depths of what we can achieve together in Ibiza.

Warm regards,

Alessandro Acquaderni

President, FEIBP

P.S. Bring your spirit of adventure and prepare to be inspired not only by Ibiza's natural beauty but also by the incredible journey and insights of Araceli Segarra. Let's reach new heights together!

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Wöhler Brush Tech Unveils Innovative Solutions at World Brush Expo 2024



Wöhler Brush Tech, a leading provider of brush production machinery, is excited to participate in the highly anticipated World Brush Expo 2024. This global event will serve as a platform for the industry to showcase their latest innovations and product highlights directly to customers. On Stand E1 in Hall 30, attendees can expect to explore Wöhler's diverse array of cutting-edge solutions, including the following.

Roll and Spool Your Own Flat Wire!

Wöhler introduces a comprehensive line enabling companies to effortlessly roll and spool their own flat wire. The renowned FWR 250 flat wire rolling machine rolls the wire flat - with a thickness tolerance of just +/- 0.01 mm. The accompanying FWW 250 cooling unit facilitates continuous cooling of the wire, while the DC 510 wire winder enables rapid spooling at speeds of up to 240 m/min. A crane is integrated into the

DC 510 for easy handling of the spooled wire with up to 400 kg on cardboard cores or optionally on metal spools.

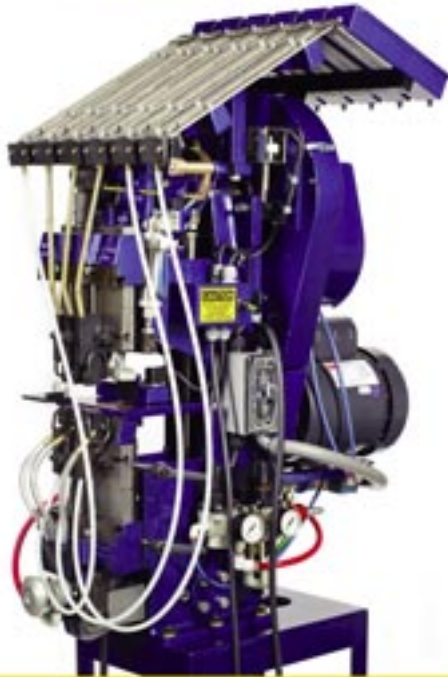
Virtual Reality Experience for Road Sweeper Brush Production

Step into the future with Wöhler's virtual reality showcase, offering an immersive journey into the full range of production machines for street sweeping brushes. Walk around machines for the production of street sweeper roll brush segments like the PVM 100 or gutter brooms and segments like the high-speed GB 100. Take a closer look than it would ever be safe to in reality.

Witness the unveiling of the new Wöhler gutter broom machine GB 50, a simple and low-priced entry into the automated production of gutter brooms and segments incorporating an industrial robot to move segments or plates during drilling and filling.

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HALL 30
BOOTH G57



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Let's Share
SUCCESS

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LET'S
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DONE

www.worldbrushexpo.com



SBM 840 strip brush machine with highest level of automation

Wöhler will be presenting the SBM 840 strip brush machine with the BUD 300 automatic bundle feeder and the BLS 700 wheel picker for even and fast separation of various natural and synthetic materials. At the same time, the SBM 840 is equipped with the new DSA 500 wire strand laying device processing wire strands from spools. New features of the SBM 840 are the continuous monitoring of the profile width ensuring perfect fitting of the profiles into their holders and the brush height monitoring. One of the highlights is the new filament density closed loop control, which ensures permanent quality control of the brush density and relieves the operator.

New online portal for customer service

Wöhler presents a new customer service portal that provides all the necessary machine data quickly and easily when servicing is required. Customers have a quick and comprehensive overview of their machines. Spare and wear

parts that have already been ordered can be viewed and easily requested again.

The big advantage, however, is the integrated ticket system for service cases. This makes it much easier for both the customer and Wöhler to keep track of individual service cases on a chat basis. All tickets remain in the system and can be searched so that the customer can find solutions to recurring service cases independently. In addition, customers can access the documentation and accompanying documents for their machines at any time in the new customer portal. Wöhler Service will be happy to introduce the new customer portal to all interested customers.

Don't miss the opportunity to explore these innovations and more at Wöhler's booth at the World Brush Expo.

Visit Stand E1 in Hall 30 to discover the future of brush production technology.

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Is your message hidden in plain sight?

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Hall 30
Booth E15

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Charles E. Green & Son

THE BRUSH INDUSTRY'S SUPPLIER SINCE 1876

Since 1876 the Green family and employees have designed and manufactured parts, products and machines for the brush industry.

It became apparent twenty years ago to Charles E. Green & Son officials that soon there will be only quality and/or niche market manufacturers. To this end the Company has been expanding its product lines and services.

Charles E. Green & Son is currently under the presidency of 5th generation family member John Vanderbilt Green III. He works alongside with his 6th generation daughters, who happen to be the first generation of women to run Green. They are company Vice Presidents Rebecca Green Sullivan and Caitlin Green.

Charles Green has grown, and will continue, to grow as a company. The Company attributes its continued success to being able to change with the times and with its customers' needs. Green has

always met the past, present and future needs of brush makers and will continue to do so for the next 140 years.

In 2010 Charles E. Green & Son purchased MillikennMachines

Milliken has been building nailing machines since 1910. Originally Milliken started out in the crate assembly business, specializing in machines that nail the wooden boxes together. During this time all goods were transported by wooden crates in comparison to the cardboard boxes we use today.

The 1920s was when Milliken designed and sold their first paint brush nailing model. Our machines have always been simple, sturdily built, workhorses. In some factories, there are machines from the 1940s still in operation!

Today the Company offer three models. Model G, Model J-4 and Model J-6. The G is our simplest, base model and inserts up to two

pins. The J Models are heavier duty and were designed in response to the rise of Stainless Steel ferrules. Our J-4 is built with a heavy duty welded construction frame and is available with one to four tracks. For the customer who wants heavy duty construction and speed, the J-6 Model is built with the same welded steel frame but inserts up to six nails at once, three from the top and three from underneath simultaneously.

For more information , please contact:

Caitlin Green

973-485-3630

info@millikenmachine.com

www.millikenmachine.com

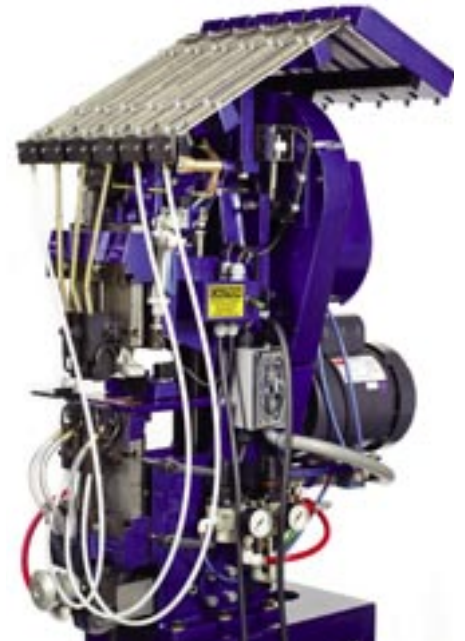
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Model G



Model J-4



Model J-6



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CONTACT

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Our nailing machine is fully adjustable with various handle sizes and nailing options. It is intuitive to learn and easy to maintain. It also features modularized design and is compatible with third-party imprinting units.

NAILING MACHINE

Our mixing machine presents a smooth and even mixture with a simple durable design. It mix bristle/filament as well as pure filament efficiently while consuming less power.

MIXING MACHINE



CONTACT

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Flexibility, speed and quality take centre stage

Roth Composite Machinery presents new fully automated machine concept in Bologna:
Hall 30, Stand E15



BFK2/E5-WTR

Faster, more flexible, more sustainable: The new development from the innovation department of Roth Composite Machinery in Burgwald scores with numerous advantages.
(Photo: Roth Composite Machinery)

One for everything?

Roth Composite Machinery from Burgwald will be presenting the new development from its own innovation department at the World Brush Expo in Bologna. The fully automatic concept can be used to produce brushes that differ completely in terms of length, geometry and material - and with minimal set-up effort.



Thomas Halbrucker (Sales Manager) and Dennis Brückner (Plant Manager Burgwald)
Photo: Roth Composite Machinery)

The new WTR is characterised by shorter set-up times, higher output and greater flexibility in production - making it significantly more efficient and versatile than other machine concepts on the market.

“We want to convince the trade fair visitors in Bologna of all these plus points,” explain Dennis Brückner, responsible for the Burgwald plant at Roth Composite Machinery, and sales engineer Thomas Halbrucker, “the machine concept and the high degree of automation fulfil the needs of flexible mass production and meet our high standards of quality and sustainability.”

Networking and exchange take centre stage

The “Brushes & Brooms” business unit of Roth Composite Machinery in Burgwald (formerly Schlesinger) has more than one hundred years of experience in the design and realisation of machines for brush production.

With a mix of experience, expertise and continuous development, the more than 50 employees in Burgwald have established themselves as world leaders in the industry - not least thanks to a global network of contacts for sales and service. The company has attracted attention in recent years with energy-saving, yet particularly powerful drive elements and a highly



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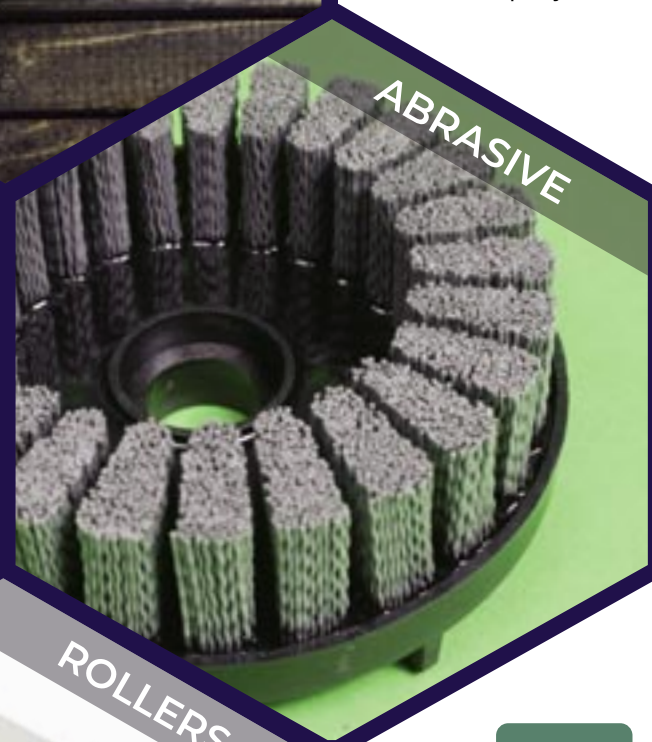
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In Bologna, the organisers are particularly looking forward to the industry coming together again after a long break. "Networking, exchanging ideas, meeting familiar faces and getting to know new potential business partners: we associate all of this with the World Brush Expo, which is why we will be there with an international team of ten people in total," say Dennis Brückner and Thomas Halbrucker, who are responsible for Roth's presence at the event.

About Roth Composite Machinery

Roth Composite Machinery is a specialist in special machine construction - the company plans, designs and manufactures units, machines and entire production lines in the following business areas

- * Filament Winding & Prepreg
- * Pleating & Coating
- * Brushes & Brooms

About Roth Industries

With various companies and around 1,400 employees worldwide, Roth Industries GmbH & Co. KG is one of the most innovative companies in the following areas

- * Building Solutions, divisions: Energy Systems, Sanitary Systems, Environmental Systems
- * Industrial Solutions, Divisions: Composite Technology, Plastics Technology, Hydraulic Technology

The headquarters of the traditional medium-sized company is located in Dautphetal, Hesse. While strategic corporate orientation, controlling, auditing, accounting and finance are handled from there, the local employees are responsible for the development, production and marketing of the products.

Roth Industries operates worldwide with 28 production and sales companies. World market leader in core segments.

Roth Industries bundles all the activities of the companies belonging to the Group in Germany and abroad. The Roth family holds 100% of the shares in the company.



**Five-station carousel with "Roth flying cabinet"
(Photo: Roth Composite Machinery)**



**Tripleflex material box
(Photo: Roth Composite Machinery)**

Information:

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Pogliani s.r.l. embraces the opportunity presented by WBE



All is ready for the new and most important event in the broom and brush industry, WBE 2024 is almost here!

Eight years have gone by since the last large meeting and finally the brush family can be reunited during this brand new fair for the global brushware industry!

This unmissable exhibition for the brush sector will take place in a wonderful location: the beautiful and welcoming city of Bologna from 22th till 24th May.

Pogliani srl, a leading supplier for broom and brush applications, absolutely does not want to miss this opportunity and will be present at WBE with its stand ready to welcome all its customers coming from Europe and beyond and to meet prospective ones.

This will be an occasion to have discussions in person about business and the global economic situation that never stops surprising us...

During the exhibition Pogliani Srl will display its following wide sales program:

- wires: round or flat, for twisted in wire brushes, for stapling and crimping purpose, such as stainless steel, brass wire, high and low carbon wires
- synthetic monofilaments: Nylon 6, 6.6, 6.12
- special filaments for paint and cosmetic brushes
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Please visit us at the WBE our booth : Hall 30 – Stand number I 52.

Blue Monster® LUBE-JOB Pipe Joint Lubricant Formulated for Push-on Pipe Joints with Gaskets

Blue Monster® LUBE-JOB, a superior pipe joint lubricant that simplifies assembly of all types of pipelines (especially potable water systems) without swelling gaskets, is now available from Clean-Fit Products, a division of The Mill-Rose Company.

LUBE-JOB is formulated from a biodegradable blend of lubricity enhancers and soaps creating a unique lubricant that flows into cavities when mating abutting pipes, effectively sealing joints. It's soft, creamy formula spreads on easily to give superior lubrication, performing well in extreme temperatures from -10°F to 150°F.

LUBE-JOB is petroleum and phosphate free – a special low-VOC blend of raw materials common in the lubricant and soap industries. LUBE-JOB dissipates and will not leave a residue when flushed in accordance with recommended AWWA procedures. It will not irritate the skin, is non-toxic, and cleans up easily using soap and warm water. Blue Monster LUBE-JOB is certified to meet NSF / ANSI Standard 61-G for potable water pipelines. NSF's use of strict analytical standards for formulating consistency assures production of a safe lubricant for water pipe joining requirements. In addition, LUBE-JOB is FBC system compatible.

"LUBE-JOB simplifies assembly of push-on pipe joints with natural or synthetic rubber or plastic gaskets. It's biodegradable, low VOC formula will not swell gaskets and it makes fast work assembling push-on pipe joints with its

superior lubricity," said John Kirkland, National Sales Manager for Clean-Fit Products.

Blue Monster® LUBE-JOB pipe joining lubricant is available in a 2 lbs. container and sold at leading PHC supply houses. Blue Monster Products are offered exclusively by Clean-Fit Products, a division of The Mill-Rose Company.

Mill-Rose is the world's leading supplier of PTFE thread sealants and largest manufacturer of twisted-in-wire brushes in the U.S.A.

For further information contact Clean-Fit Products, 7310 Corporate Blvd., Mentor, Ohio 44060. Telephone 1-800-321-3598, fax 1-440-255-1072, e-mail info@cleanfit.com or visit www.cleanfit.com.



Blue Monster® LUBE JOB pipe joining lubricant is available from The Mill-Rose Company.

About The Mill-Rose Company

The Mill-Rose Company is the world's leading supplier of PTFE thread sealants and largest U.S. manufacturer of twisted-in-wire brushes used in virtually every type of industry throughout the world. Mill-Rose is a family-owned organization, now in its fourth generation. Mill-Rose has experienced significant growth from its humble beginnings in 1919, and today operates manufacturing and warehouse facilities throughout the United States and Mexico. Mill-Rose has over 100,000 square feet of production facilities in the U.S. and Mexico, complemented by a 70,000 square foot U.S. distribution center with a 42,000 sq. ft. expansion in process.

Epic Resins is Joining Global Brushware Industry Leaders at World Brush Expo



Epic Resins, a leading manufacturer of epoxy and polyurethane resins, is excited to announce its participation in the inaugural World Brush Expo, scheduled for May 22-24, 2024. The event will take place at the prestigious Bolognafiere Venue in Bologna, Italy.

The World Brush Expo promises to be a must-attend gathering for professionals in the global brushware industry. Organized in collaboration with the American Brush Manufacturers Association (ABMA) and the European Brushware Federation (FEIBP), this event offers professionals the opportunity to explore cutting-edge products and network with industry leaders. With an impressive lineup of 150 exhibitors spanning 20,000 square meters, the expo will showcase the latest innovations in technical brushes, paintbrushes, paint rollers, cleaning brushes, oral care brushes and mops.

Epic Resins invites attendees to visit their booth, #H21, where technical experts will discuss adhesive solutions tailored for various brush applications. Whether it's adhesives for natural,

nylon, polyester, olefin, or vinyl filaments, Epic Resins has the expertise to enhance brush performance. Their adhesive offerings extend beyond paint brushes and rollers to include abrasive disc, wheel, strip, power and polishing brushes.

Don't miss this opportunity to connect with industry leaders, explore innovative products, and shape the future of brushware. Epic Resins looks forward to welcoming visitors and contributing to the success of the World Brush Expo. You can register today at: www.worldbrushexpo.com/.

About Epic Resins

Epic Resins is an established international leader in epoxy and polyurethane resin manufacturing based in Palmyra, WI. Founded in 1958, Epic Resins has formulated, manufactured and supplied resins for a wide range of industries, specializing in potting and encapsulation compounds, LED encapsulants and adhesives. Epic Resins is committed to serving our global customers as a trusted partner in superior quality resins and polymers to enhance their profitability and performance.

The term "INDUSTRIAL AUTOMATION" has many definitions, such as "technological and information systems designed to manage material, processes and information flows for the purpose of simplification, optimization, and savings". For us, it means making our vast know-how available to our Italian and international shareholders in order to achieve ever higher goals.



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We are thrilled to announce that we will participate in the WORLD BRUSH EXPO 2024, which will be held from May 22-24th, 2024, in the 29 and 30 halls of the Bolognafiere Venue, Bologna, Italy. We sincerely welcome all brush manufacturers and customers from any industries visit our booth L9 to share our innovative filament products and the best customized filament solution.

World Brush Expo 2024 in Bologna, Italy is the brand new trade fair for the global brushware industry: technical brush, paintbrush, paint roller, hygiene brush, oral care brushes and mop industries.

At WORLD BRUSH EXPO 2024, we will display our professional filament varieties with different characteristics applied in various brush applications. There are Lasson™, Soclean™, Tuboss™, Beauty™Fil, Sentec™, Superball™, Nexvan™, GrindFil™, Doclean™, Videfense™, Maskfit™ etc. These

filament are widely applied in industrial brush, toothbrush, paintbrush, household cleaning brush, artist brush, hairbrush, road sweeping brush, hygiene brush and mask industries etc.

With the development of society, people's health and environmental protection concept has been greatly improved. They will prefer the environmental brush products that reduce the pollution to the ecological environment.

Therefore, our new filament materials, BioFil biodegradable filament and PCR post-consumed recycled filament, are much popular among the brush industry.

BioFil contains renewable plants raw material, such as wheat, corn and sugar beet. Compared to the petroleum base plastic, BioFil can be degraded into carbon dioxide and water under the composting conditions. According to the testing standard DIN EN13462:2000-12?ASTM D 6400:2019-01, it was reported that the bio-degradation rate of BioFil achieved 90.75% within 145 days. BioFil has been certificated by the chemical limitation test, bio-degradation test, ecotoxicological test, the earthworm ecotoxicity test.

It is suitable for making toothbrush, makeup brush, false eyelashes, household cleaning brush, and hygiene brush. The application of BioFil helps brush manufacturers produce biodegradable brushes without causing any pollution to the



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HALL 30
STAND L9

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Brush Expo 2024 , MAY 22-23
Bologna, ITALY



environment in the production and final treatment process.

PCR filament, is another eco-friendly filament material, is competitive with new nylon filament materials in terms of working performance, toughness, and durability after the special treatment process.

The raw material of PCR filament recycles the abandoned plastic (PBT/PET/PP/NYLON 6 material) within 50 kilometers from the coast, which ensures that consumers can purchase the product beneficial to ocean, reducing ocean pollution.

Compared to the original plastic, it is reported that PCR filament effectively reduces the cumulative energy by 43% and water consumption by 15%,

which is offered by our PCR raw material suppliers.

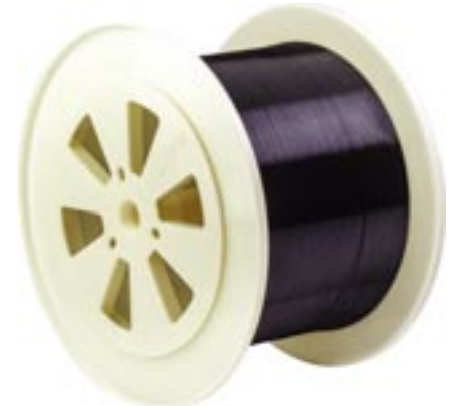
Besides, GrindFil, abrasive filament, has been a highly anticipated product since its launch. It is made of nylon 6/66/612 base material and is combined with silicon carbide/Aluminum Oxide/Diamond abrasive material.

GrindFil has better characteristics of wear resistance, toughness, resilience, chemical resistance etc. It has excellent working performance when it is applied in polishing, deburring, grinding, finishing and coating removal industries.

At the end, Tai Hing looks forward to your visiting at L9 booth, where we will demonstrate the exceptional performance and versatility of our nylon brush filaments. Join us as we embark on a journey of innovation and discover the future of industrial brushes together.

For further information, please contact us at marketing@taihingnylon.com.

See you in the WORLD BRUSH EXPO 2024 in Bologna, Italy.





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FASS The power of personalization

In a constantly evolving market context, where standardization risks holding back growth, FASS stands out as a Made in Italy company, an important player in the home cleaning sector.

Our company, with over half a century of experience, has made innovation and quality its two strengths, offering customers unique and tailor made products, able to meet the most specific needs.

INNOVATION, QUALITY AND CUSTOMIZATION

Innovation comes from the constant commitment to research and development, aimed at integrating new technologies, improving production processes, meeting the emerging needs of customers and the market. To accomplish this, the company in 2019 created FASS LAB, a real internal research center where many tests are carried out with certified laboratory equipment and staff with highly qualified skills.

In terms of quality, FASS has adopted a comprehensive approach, which has allowed it to develop one of the most advanced vertical integrations worldwide, resulting in an internal production of all products. This allows it to guarantee the quality of its products, through the acquisition of Made in Italy raw materials and machinery from local suppliers, and a strict control of production processes.

Vertical integration translates into considerable flexibility, which is particularly

crucial in the creation of customized products: FASS is positioned as the market leader for the highest level of customization in the household cleaning sector.

Customization is one of the main pillars of the entire FASS range, but an important focus is on the realization of fixed, telescopic and multi-piece painted metal handles, which guarantee high quality, longer life and an absence of surface materials.

FASS supports the customer by providing assistance and advice in all the aspects of customization process, starting from design process, and working closely with them to satisfy all their tailor-made requests.

WORLD BRUSH EXPO 2024 NEW DEVELOPMENTS

On the occasion of the WBE 2024, FASS will present an important innovation: a unique digital configurator for the creation of custom metal handles. This revolutionary tool will allow customers to easily and intuitively create the perfect product for their needs, with unprecedented freedom of choice.

FASS GOALS

FASS has emerged as a key player in the industry, offering the possibility to create products tailored to your specific needs. The company's culture is oriented towards a path of continuous innovation and an incessant commitment to quality, consolidating FASS

as a reliable partner for those looking for personalized, quality and environmentally friendly products for home cleaning. In this regard, sustainability is part of our DNA, as evidenced by the FSC® (COC), ISO14001, ISO9001, SA8000 certifications, the collaboration with Treedom and the launch of the natural green line, a range of products made from post-consumer and post-industrial totally with recyclable materials and recycled packaging.

Investment in staff training, adherence to a sustainable management system and constant research into innovation are the foundations of our future vision.

YOU THINK IT. WE MAKE IT HAPPEN.

Enjoy the handles
designed and made hand
in hand with your desires.



DuPont Filaments – now owned by Celanese

Our ownership may have changed but our commitment to provide the highest quality filament remains the same

For more than 80 years, DuPont Filaments was recognized as a leader in innovative synthetic filaments that enable brush manufacturers to address emerging trends and meet evolving consumer expectations. Building on a legacy of innovation, its global team of scientists and development engineers continued to expand the broad range of filament offerings for premium quality brushes and industrial applications, giving leading global brands and brush manufacturers ever more flexibilities in brush designs. Now, the products and innovation continue under the new ownership of Celanese.

Health deserves the best filaments - Toothbrush Filaments

The most important component of a toothbrush lies in the bristle. With outstanding industry expertise accumulated over the years, coupled with proven technologies, Celanese is dedicated to the oral care brush industry with our nylon solutions under the brand names of Tynex®(nylon 612) and Herox®(nylon 610). Leading toothbrush brands and manufacturers are able to produce very high quality brushes with a balance of consistent quality, wear performance and unmatched productivities in tufting and end-rounding. As consumer trends in toothbrush are increasingly focused on the six major areas of:

- 1) Visual Attractiveness
- 2) Interdental Cleaning
- 3) Plaque Removal
- 4) Gum Comfort
- 5) Gingival Cleaning
- 6) Anti-microbial properties within the filaments.



The company has been working closely with the leading global brands in oral care as well as toothbrush manufacturers by fulfilling these needs with our broad range of innovative products in the portfolio. Tynex® Brilliance Pro filaments, is a prime example of the company's newest innovation that combines both visual attractiveness and functional benefits. With its unique diamond shape profile and distinguished color effects, it is the ultimate filament for premium toothbrushes. The soft bristle of Tynex® Brilliance

Pro, with its outstanding translucency and glistening look brought by a proprietary color recipe, will make any toothbrush an "eye-catcher" on the shelf while retaining the superior cleaning ability for interdental and plaque removal performance. As Herox® was successfully reintroduced to the toothbrush filament market, it is known as a "green" material, with 67% of its ingredients coming from renewable sourced raw material. Another innovation, Herox® Binchotan

Celanese Filaments

YOUR BRUSH DESERVES THE BEST FILAMENTS



Our name has changed but our commitment to provide the highest quality filament remains the same. Our customers continue to recognize us as a global leader in high performance filaments with excellent customer service. We will continue to advance our innovations because we believe YOUR BRUSH deserves the BEST FILAMENTS.



Design Freedom. Limitless Possibilities.

filaments was added to the product portfolio in 2015 to provide tailor-made solutions targeting customer needs and growth in Asia Pacific. Capturing the emerging trend of using charcoal in various dispensary applications especially in Asia, yet another innovation was brought to the market by combining nylon and binchotan charcoal powder. The binchotan charcoal powder used is manufactured from 100% natural wood through a specialized carbonization process in Japan, where binchotan originated.

The combination of nylon and binchotan, with perceived functional benefits commonly known in Asia and increasingly in other regions, allows toothbrush designers to bring new concepts of toothbrushes to consumers. Herox® Link filament is another member of the Herox® family and a new nylon material using co-extrusion technology. It was recently introduced to toothbrush customers who are seeking alternative nylon filament solutions with better cost effectiveness that also retains excellent performance and softness.

Fine Filaments

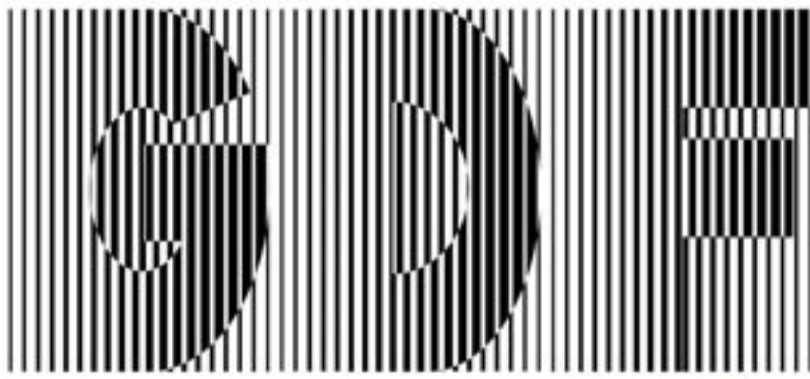
When it comes to the cosmetics industry, consumer needs are dynamic and ever-changing. There is also an increasing expectation for high performance tools as consumer cosmetic applications are more and more specialized towards professional grades. From powder to eyeliner, mascara to nail polish, as well as facial cleaning brushes, consumers are looking for brushes with high performance, durability, ease of cleaning, soft touch-and-feel,



powder pickup / release ... etc. Even if different types of animal hair are still available as options for cosmetic brushes in the market, responsible cosmetic brands are leading the trend to be “cruelty free” and use only synthetic filaments in their brushes. Natrafil® filaments, a pioneering filament from the company’s unique polyester-based material, contain proprietary texturizing additives that create a structured surface that mimics animal hair. Natrafil® filaments offer a synthetic alternative to animal hair in premium cosmetic powder brushes

with more consistency in the bristle while maintaining the touch-and- feel of premium animal hair. Studies have shown that brushes made with Natrafil® filaments have superior pickup and release performance versus brushes made with animal hair. Hygiene in cosmetic products is a serious concern. If you think your makeup brush is bacteria free, think again. Infection causing bacteria can thrive in cosmetic brushes and products that are not adequately cleaned or used beyond its indicated product lifespan.

The company is helping to tackle this problem with Tynex® StaClean® fine filaments. Independent verification by authoritative third-party testing agency has confirmed that Tynex® StaClean® fine filaments are 99% effective in bacteria inhibition. This is due to the silver-oxygen combination in the filaments that inhibits the growth of micro-organisms. The launch of Tynex® StaClean® fine filaments addresses the hygienic concern for cosmetic brushes.



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Efficiency deserves the best filaments – Abrasive Filaments



Abrasive Filaments

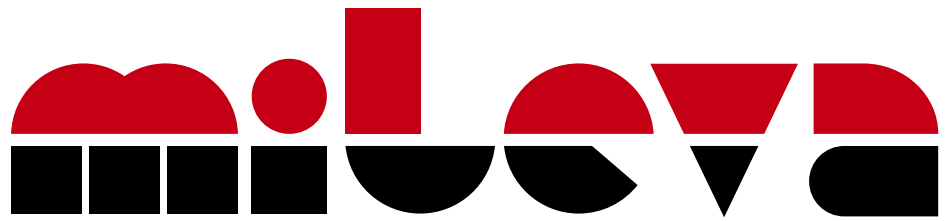
Like most industries, steel manufacturers are always looking for ways to increase productivity. The emphasis is on getting more square feet of metal through the mill, cleaned and coated faster than ever before. To accomplish this, steel mills are using more aggressive cleaning solutions creating a degradation problem with typical cleaning brushes because many plastics used in the brush filaments can't handle the extreme pH solutions. Our technical team has solved this problem by adding stabilizers to one of our nylon polymer formulations, effectively extending the pH range where our filaments can be used. Brushes made with these filaments deliver cleaning performance over an improved service life, helping steel manufacturers achieve higher productivity. Another need voiced by customers is higher aggressiveness in metal finishing applications. Tynex® A ceramic grit-containing filaments were developed to meet this need.

Creativity deserves the best filaments – Paintbrush Filaments



Paintbrush Filaments

As paint manufacturers continue to improve water-based paints, there is a need for higher performing brushes. We continue to innovate and provide specialized solutions for our customers. Brushes made with our filament provide better paint pick up, faster application and easier clean-up.



Plastic blocks for cleaning articles



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A mindset for the future

We are excited to meet you soon at the Brush World Expo in Bologna, to continue sharing the challenge of building the future of our industry. **PMM**, a proud filaments company, arrives at this new meeting strengthened by a constant innovation mindset. Experience in action to transform the present with a powerful promise: **Get it done**.

This philosophy is proven by more than 300 research and development projects in the last two years, many of which have directly impacted the brush industry. We're passionate about turning ideas into new realities in a world of constant transformation. Each successful project expands our desire to innovate.

Get it done represents how we face the difficulties of this era of "real-time future", offering a superior service experience with the flexibility and agility our times demand. Transformation inspires our actions, backed up by the talent and creativity of each **PMM** collaborator and more than 48 years of experience in this business.

Let's get it done. Let's take the values of quality and unique service experience that we're known for to new limits. Let's add to your new project the exclusive advantages of PMM, and the vibrant colors, festive spirit, and warmth of our heritage.

We are thrilled to lead this new opportunity to innovate together. Rather than talk, **let's Get it done**. We look forward to meeting you at the Brush World Expo in Bologna, where we will share not only our innovative brush solutions, but also a taste of the vibrant culture that fuels our creativity.



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A meeting with the owner of Yongli Filaments and Bristles: Mr Wang Haiou at the company head office during a recent visit to the historic city of Nanjing, China



Mr Wang Haiou

I was pleased to meet the owner of Yongli Filaments and Bristle: Mr Wang Haiou at the company's head office during my recent visit to the historic city of Nanjing, China. I asked Mr Wang how he got started in the Brush industry

Mr Wang told me he started by joining a state-run company as a Bristle salesman.

Later, in 1997, he decided to set up his own bristle processing factory which he ran from 1999 to 2004 and in the end he became the number one bristle exporter from China. He told me this was because he insisted on quality and his position is based on the customer statistics certified by Chamber of Commerce.

Initially he worked with well known bristle traders but as time went on some of them dropped out of the trade and he decided to work directly with brush makers. I asked Mr Wang about his educational background and

his rather surprising reply as that his original major at university was American drama!

Mr Wang is clearly a man who embraces rapid change and he saw that many changes were taking place. Traditional pig raising has now ceased in all areas apart from Chungking and Mr Wang began to plan for the future and thought that maybe the trade bristle would disappear very soon. Accordingly, he set up his own synthetic filament factory in 2002. From the start, his factory became the second biggest filament factory in China!

I was astonished by his vision and wondered why he didn't start smaller. His answer was surprising. I asked: "Just by setting it up, bang, you're second biggest in China! Why didn't you start small?"

Mr Wang replied: "At that time there was almost no large filament company in China, only some very

small ones and we started with a facility of 10,000 square metres. We financed it by using savings and support from the bank because we were already significant in the industry and we had built up a trustworthy reputation. We mortgaged our land and the building to the bank and the land is probably worth 10 times what it was then".

Mr Wang continued: "four years ago I decided, because the filament factory I built was in the high cost coastal area. I decided to relocate the factory and move to the Chengdu region. It's a very big city, but we choose an industrial zone near where we could find sufficient workers at lower expense. All in all, we obtained more affordable labour along with lower costs for water, electricity and with very good tax policy. We also upgraded our machines. We now have two big extrusion machines and one small.



At Yongli we use our own filament and bristle to make brushes for a better quality control and pricing. We choose the best raw materials from selected area and handle them professionally.

Yongli factory located in Sichuan, China, where well-trained management and technician team with decades of experience always strives for better product and services for you.

As far as quality is concerned we are second to none and for example, we are supplying one Austrian brush company who is providing brushes for the major fashion brands. My agent Mr. Rothlaender is handling this business'

I asked Mr Wang "How did you meet Mr Rothlaender?"

Mr Wang replied: "I think it was maybe 15 years ago, it is a long story. Let me think how to tell you about it step by step. In 1994, I still had some business in brushes. I had a very good supplier of brushes and we decided to exchange some of our shares. This meant that he became the shareholder of my filament factory and my bristle factory and I became a shareholder his brush factory and this brush factory was working with Mr. Rothlaender and he introduced Mr. Rothlaender to me. After several contacts and discussion, he becomes my agent in Europe. As I mentioned, we have been working

together for 15 years. Now it is planned that his daughter Caroline will take care of his business in the future".

Mr Wang continued: "The reason I set up my filament factory is because I was worried about the future of the bristle trade. Bristle will eventually be non-viable as a practical material. Then, step by step, I found that the filament business needs advanced technology. Hence, we worked with several universities and colleges of chemistry, for example, because we are the bristle supplier, we know how to produce filament similar to bristle.

Let me show you some bristle, for example. This is a 60 or 57 millimetres . Usually, we have to mix them 90% tops. 90% tops means 90% of the filament of the reach. And the higher the top, the higher the cost will be. That is opposite in the filament industry."

I asked: "Oh, because you want the layoff?"

Mr Wang concurred: "Yes, because the filament, when it is produced it, it's all 100% top, but 100% tops synthetic filament does not paint well. So, we have to put some short sizes in it. The question is: how do we do that. Some people just like 64 millimetres, they put 57 and 51 into the mix which is still not random enough.

As a brush manufacturer, we know how to do it. I think that's the reason we are running ahead of our competitors. We also use some chemicals to make the surface of the filament rough. The rougher the surface is, the higher the paint pick up less leakage.

We treat the filament with special chemicals. You cannot just use special chemicals alone. You have to use some rinsing liquid to wash it later. Also, we're the first people to invent this process. We call it Napoly which consists of several kinds of filament mixed together.



As the biggest monofilament manufacturer, Yongli has the most advanced extrusion lines producing the best quality filaments.



YONGLI management team and Mr. Karl-Ernst Rothlaender.

Our co-operation with Mr. Rothlaender offers you door to door service, quality checks and products consultant in Europe

Photo credit: Caroline L. Schroth.

We use a Chinese made machine for mixing which costs one tenth of traditional flat mixing machines and is more efficient. We now even export the mixing machine to Europe. The mixing machine factory wants to work with us because we have the customers, we're sending machines to Europe and to Brazil. That's not my main business of course. It's just a few items.

Now worldwide, we have the issue of being eco-friendly and to use recycled material. We have to be very careful because when we produce filament, like PET and PBT, we must use a recycled material, which is genuinely PBT and PET. Some competitor factories are buying recycled material from the market and none of them can be sure of the formula of this kind of recycled material.

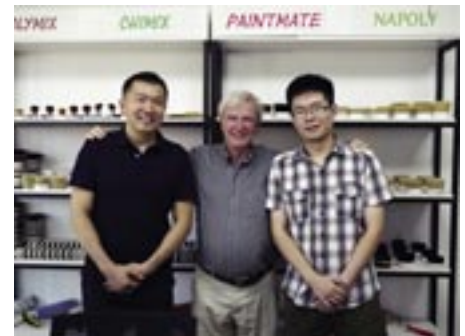
We only use the recycled material from our factories or from some reliable recycling sources.

In summary, our big advantage is we have a bristle filament factory,

a bristle factory, and a brush factory. Every time we invent or innovate some new filament or some new mixtures, we test it in our paintbrush factory".

So, I asked: finally, then, what are your ambitions,

Mr Wang replied: "I just want to focus on my own business. To keep the good quality to serve the customers well. But we spend a lot of money in the lab for innovation. We are still trying to innovate new products for the paint applicator industry".



Mr Wang, Brian Hall and Ryan Wang at the Yongli head office

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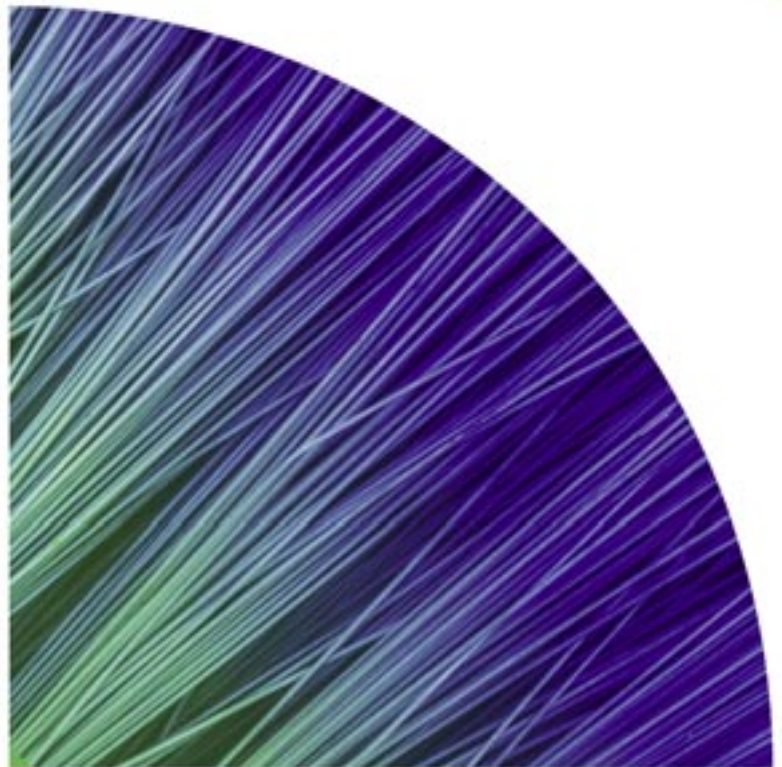
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Edward Jackson – Obituary (1944-2024)



In fond remembrance, we celebrate the life of Edward Jackson, the visionary founder of Edward Jackson (Engineer) Ltd, who passed away in March.

The son of a model engineer, Edward had an innate creativity and imagination that led to several early inventions, including a 'pilfer-proof' picture mounting for hotels and a self-extinguishing litter bin, which even resulted in a brief television appearance.

It was his other lifelong interest, music, that led him into the brush industry. In 1968, while singing in a local choir, Edward crossed paths with the factory manager of the Briton Brush Company, who commissioned Edward to create a paint brush knot-picking machine. This was followed by a series of machines Edward developed for the firm, including the first prototype paint roller making machines.

In 1977 Edward married Rachel, and with her business skills together they founded Edward Jackson (Engineer) Ltd the following year.

Edward's first paint roller machine – the GW1 winding machine – was demonstrated at the inaugural InterBrossa exhibition in Freiburg, Germany. The company have exhibited machinery at every show since, continuing the tradition with the World Brush Expo this year in Bologna.

From the 1980s until his retirement, Edward continued to innovate, securing patents for several groundbreaking machine designs, including the continuous winding process and cutting-edge finishing systems. The help of Rob Coleman, who served as the company's global sales representative, enabled

worldwide dissemination of Edward's machines, leaving an indelible mark on the global market.

Inspired by his father's love of engineering, Edward's eldest son Tim joined the family business after graduating in 2001. In the following years they worked together, with Tim absorbing Edward's unique design style and approach to engineering quality. Tim continues to develop the company, staying true to Edward's principles and commitment to innovation by incorporating the latest design and manufacturing techniques.

It is testament to the originality and enduring value of his ideas that Edward Jackson (Engineer) Limited continues to thrive, crafting successful paint roller machinery derived from Edward's pioneering designs.

Beyond his professional endeavours, Edward's life was enriched by his passions for music and architecture. His dedication to choral singing and conducting remained a source of joy and solace throughout his life, while his family provided the bedrock of his inspiration and support.

In his later years, Edward faced the challenges of progressing dementia with resilience and grace. Though his passing may have been sudden, it was not entirely unexpected. His family are consoled that he was surrounded by friends and family for his 80th birthday just days earlier.

Donations in Edward's memory can be made through edward-jackson-1944-2024.muchloved.com in aid of Sing Your Heart Out and Dementia Adventure.

Personal Care Filaments



Technical Brush Filaments



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Brushwork 43

AMERICAN BRUSH MANUFACTURERS ASSOCIATION 107th ANNUAL CONVENTION

March 22-25, 2023, at the luxurious
Omni Resort Amelia Island Oceanfront Florida
Resort, Fernandina Beach, Florida.



Alessandro Acquaderni
(FEIBP President)
presents Chris Monahan
(ABMA President) with a
welcome to Bologna gift.

If you're looking for an excellent way to build your business and relationships, attending the ABMA Convention is a must. This annual event always offers plenty of opportunities to learn from industry experts, network with fellow professionals, and explore new products and services. The 107th Annual ABMA Convention, was held March 22-25, 2023, at the luxurious Omni Resort Amelia Island Oceanfront Florida Resort, Fernandina Beach, Florida.

The ABMA Convention is an annual event hosted by the American Brush Manufacturers Association (ABMA). It brings together professionals from across the brush making industry to share knowledge, network, and discuss the latest industry trends and innovations. The convention is typically held over several days and includes a range of activities, including keynote speeches, educational sessions, networking events, and product showcases.

Benefits of Attending the ABMA Convention
Attending the ABMA Convention offers many benefits, including:

- Opportunities to learn from industry experts and thought leaders
- Networking opportunities with industry peers and potential partners or customers

- Exposure to the latest products and services in the brushware industry
- Access to educational sessions and workshops that can help you improve your skills and knowledge
- A chance to explore new markets and expand your business

Networking Opportunities

One of the biggest benefits of attending the ABMA Convention is the opportunity to network with other professionals in the industry. Whether you're looking for new customers, potential partners, or simply want to connect with others in your field, the convention offers many opportunities to meet and mingle with like-minded individuals.

The ABMA Scramble Tournament was a great way to network while enjoying golf at the highly-ranked Coronado Golf Course.

Similarly, the ABMA Foundation Networking Dinner provided a more intimate setting for those who prefer a smaller group setting.

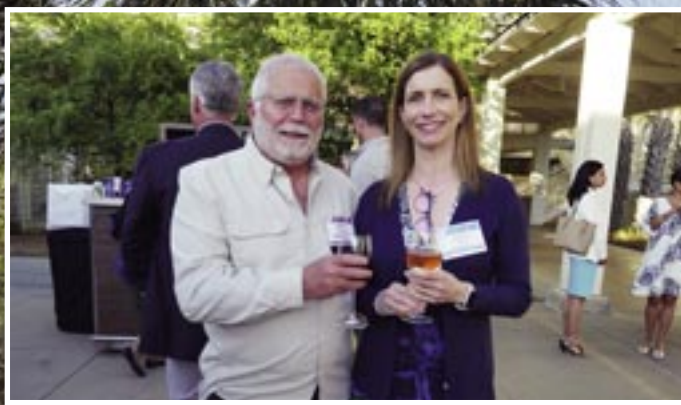
The Suppliers' Italian Themed Reception also offered a relaxed atmosphere for making connections.

Continued page 53

The Paul M. Miller Welcome Reception



The Paul M. Miller Welcome Reception



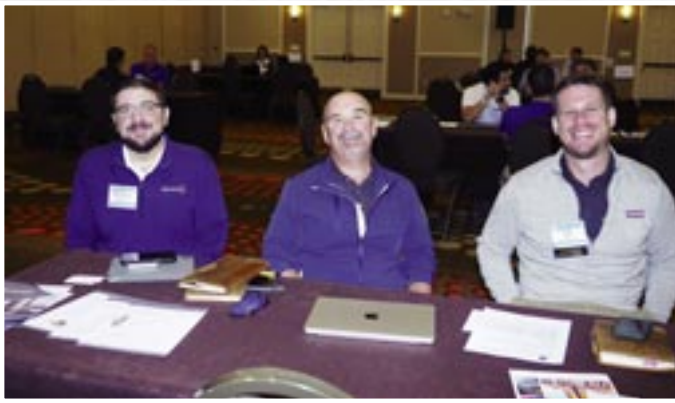
Suppliers Face to Face Meetings



Simon Jones and Nathan Labecki of WCJ Pilgrim Wire



Dan Sinykin and Ed Lowder Monteray Mills



Matthew Veenhuis, Dan Veenhuis and Tim Hack of Epic Resins



Sofia Teles of Filkemp



Mike Fredrickson and Cliff Bailye of Midalloy Specialty Materials



Pierre-Luc Paré and Dominic Paré of Multi Brosses



The Zahoransky Team



Ralph Rosenbaum of SSP

Suppliers Face to Face Meetings



The Atlas Graham team with Kevin Monahan of Monahan Partners



Mauricio Amim of Malinski Wooden Handles



Chris Monahan of and Ian Moss of Brush Fibers with Bart Pelton and Ron Cherryhomes PelRay division



Bruce Massey of Gibbs Interwire



Wendy Gu and Thomas Morrissey of Celanese



Rachel Ciullo of Composite Cutter Technology

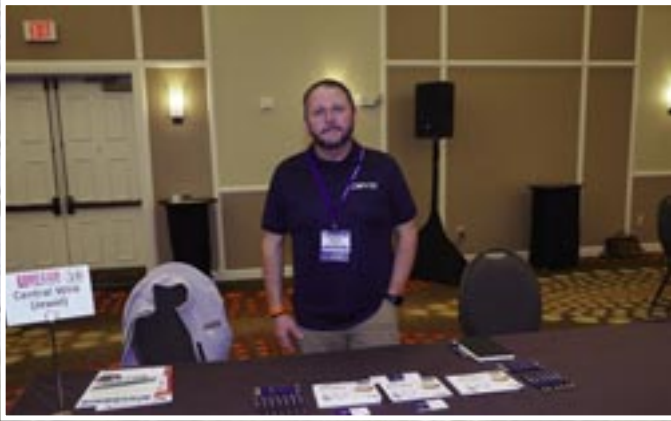


Miguel Medrano and Carlos Petzold of Borghi USA with Alessandro Acquaderni (Centre)



Bill Shaul and Kristin Draper of Draper Knitting

Suppliers Face to Face Meetings



Kevin Higgins of Central Wire (Jewel)



Terry Hogan and Andrew McIlroy of Perlon-Group / Hahl Inc.



Serge Lemieux of Filature Lemieux, Inc.



Dave Magner of Deco Products Co.



Alessandro Acquaderni (Centre) with the Boucherie Team



Kim Johnstun of Easy Reach Supply



Dennise Silva, Enrique Mejia and Nora Bravo of PMM



Brent Hilleary and Jonathan Adams of P&A/Lafrance Fabrics



David Kalisz and Paty Cavazos of MFC



Kevin Monahan of Monahan Partners



Kevin Lannon of Lanoco



Jon and Matt Monahan of Monahan Filaments

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Frank Kigyos of Franklin Automation with Jarda Markvart of Wöhler Brush Tech GmbH



ABMA Executive Director Donna Frenndt kept discussions to a well managed timetable

Suppliers "Italian Themed" Event



Suppliers “Italian Themed” Event



Suppliers “Italian Themed” Event



AMERICAN BRUSH MANUFACTURERS ASSOCIATION 106th ANNUAL CONVENTION (continued from page 42)

Highlights of the ABMA Convention

Keynote Speakers and Presentation

- Wednesday, March 19th provided Concurrent Workshops — What, When, Why, and How:
- Mental Health and Well-Being in the Workplace
 - Data and Device Security
 - Attracting Talent to Smaller Companies

Facilitated by the ABMA Emerging Leaders

ABMA EDUCATIONAL INSTITUTE

“Artificial Intelligence Will Change... Everything”

Speaker: Michael Rogers

Cognitive computing is the latest and most potent expression of artificial intelligence. Software and robots can now learn from experience and then reason and act upon information—often coming up with insights that humans might not reach. Because they are “cloud-based”, these powerful thinking tools will be accessible even to small organizations and individuals. The result will be

new efficiencies and surprising new intelligent services that will change the very nature of work and challenge us to identify what skills are uniquely human.

BIO:

Michael Rogers is a best-selling author, technology pioneer and futurist, who also serves as futurist-in-residence for The New York Times. His consultancy Practical Futurist has worked with companies ranging from FedEx, Boeing and NBC Universal to Microsoft, Pfizer and Siemens, focusing on how companies can think about the future in useful ways. Rogers brings real business experience and a deep understanding of technology. He adds the keen eye of an investigative journalist and the story-telling skills of a best-selling novelist. With these tools he provides a powerful catalyst to help organizations create a vision of the future and the will to innovate, blending technology, economics, demographics, culture and human nature.

Suppliers “Italian Themed” Event



“Artificial Intelligence Will Change... Everything” Guest Speaker: Michael Rogers



In addition to the keynote speaker three other speakers shared their insights via concurrent workshops



Importance of Mental Health and Well-Being

Presented by Heather Nofall.

AGENDA:

- Importance of Mental Health and Well-Being in the Workplace
- Critical components for a successful program
- Support for Mental Health is valued by your future workforce
- Creating a culture of belonging



Data and Device Security — Ransomware

Presented by Chad Reinbold and Mariea Reinbold

AGENDA:

- Ransomware infections impact individual users and businesses regardless of size or industry by causing service disruptions, financial loss, and in some cases, permanent loss of valuable data.
- Don't be a victim or wait for an attack... act now.



Attracting Talent to Smaller Companies

Presented by Tim Pugh

AGENDA:

- Attract talented individuals to join a small businesses
- What individuals need from small business environments in order to thrive
- What the leading causes are for departure and how to keep them engaged & fulfilled, so they remain on staff

Brushwork

Worldwide Directory of Brushmakers and Suppliers

ADHESIVES

Collanti Concorde SRL

Via Schiaparelli, 12
ZI - 31029 Vittorio Veneto (TV)
Italy
Tel: ++39 0438 912121
Fax: ++39 0438 501822
Email: info@collanticoncorde.it
Web: www.collanticoncorde.it

Products/Services

Chemical Company Specialized in the production of Glues and Industrial Adhesive since 1979.

Key Personnel

Gemignani Gianluca: Export Technical Assistance
Ferruccio Masetto - Export Manager



Epic Resins

600 Industrial Blvd
Palmyra, Wisconsin 53156 USA
Tel: ++1 800 242 6649

email: customerservice@epicresins.com
Website: www.epicresins.com

Epic Resins is a formulator of one and two component epoxy and polyurethane adhesives for use with natural, nylon, polyester, olefin and vinyl filaments. Epic Resins has long served the paint applicator industry with a complete line of standard products, as well as the ability to custom-formulate a special product for the customers' special needs. Established in 1958, Epic is ISO 9001 and ISO 14001 Certified.

Key Personnel

Dan Veenhuis: President
Jon Zarnstorff: Sales Manager
Randy Veenhuis: Plant Operations



BROOMS BRUSHES & HANDLES

Fass S.p.A

Via Carlo Alberto Dalla Chiesa 984
51036 Larciano-Pistoia
Italy
Tel: ++39 0573 84881
Fax: ++39 0573 849172
e-mail: m.niccolai@fass.it
Web: www.fass.it

Products/Services

Brooms, Brushes and Handles

Key Personnel

Celestino Niccolai (President)
Simone Niccolai (CEO)
Matteo Niccolai (product manager)
Michela Balducci (sales manager)

BROOMS BRUSHES & HANDLES



Hillbrush

Norwood Park, Mere, Wiltshire, BA12 6FE
Tel: ++44 1747 860 494
Fax: ++44 1747 860 137
e-mail: info@hillbrush.com
Website: www.hillbrush.com

Products/Services

Hillbrush is the largest UK manufacturer of brushware and hygienic cleaning tools, selling to a global customer base. Renowned for quality and granted the Royal Warrant by HM

The Queen in 1981.

Key Personnel

Charlie Coward - Managing Director
Andy Coward - Managing Director
Philip Coward - Chairman
Sara England - Sales
Jordan Osborne - Marketing

FLOCKED PAINT PADS AND ROLLERS



FLOCK DEVELOPMENT & RESEARCH CO. LTD.

Clarence Mill, Clarence Street
Stalybridge, Cheshire, SK15 1QF
UK

Tel: ++44 (0)161 3394946

Fax: ++44 (0)161 3432045

e-mail: flock@flockdev.co.uk

Website: http://www.flockdevelopment.co.uk

Products/Services

World's Largest Manufacturer of flocked roller, premier flocked paint pad manufacturer, shipping to over 45 countries to all major brands
Decking, staining, varnishing and painting systems

Key Personnel

Paul Constantine Managing Director and Global Sales
Sharon Kelly Director
Shane Horsfield Operations Director
Jake Thomas Logistic and shipping manager
Shelley Burnett Accounts Administration order intake
Vanessa Baker Procurement
Callum Constantine Assistant Buyer

FERRULES & HANDLES



Charles E Green & Son, Inc.

625 Third Street
Newark
New Jersey 07107
USA

Tel: ++1 973 485 3630

Fax: ++1 973 485 6510

e-mail: sales@charlesgreen.com

Website: www.charlesgreen.com

Products/Services

Supplier of paint applicator components to the industry.

Paint brush ferrules, Tampico Fiber, brush pins, wood handles, plastic handles, Milliken Nailing Machines, paint rollers and components, metal stamping, wire forming, worldwide shipping. Quality service.

Key Personnel

John V Green III - President
Rebecca Green Sullivan - Vice President
Caitlin E Green - Vice President

HAIR BRUSHES



G B Kent & Sons Pic

London Road
Apsley

Hemel Hempstead
Herts, HP3 9SA

Tel: ++44 1442 232 623

Fax: ++44 1442 231672

e-mail: ac@kentbrushes.com

Website: www.kentbrushes.com

Products/Services

Manufacturer of the highest quality personal care brushes, for hair, bath, nail, shaving, cloth, in wood or plastic. Handmade combs and hairbrushes. Private label undertaken.

Key Personnel

Alan Cosby - Chairman & Managing Director
Ben Cosby - Creative Director
Mac Magdenovic - Export Sales
Steve Wright CEO and Home Sales

MACHINERY



Borghgi SPA

Via C. Colombo 12
Loc. Cavazzona

I-41013 Castelfranco Emilia (Mo)
Italy

Tel: ++39 059 9533911

Fax: ++39 059 9533999

e-mail: info@borghi.it

Website: www.borghi.com

Products/Services

Solutions for the production of machinery for the broom and brush industry.

MACHINERY

boucherie

GB Boucherie NV

Stuivenbergstraat 106
B-8870,
Izegem, Belgium
Tel: ++(32) 51 31 21 41
Fax: ++(32) 51 30 54 46
e-mail: info@boucherie.be
Website: www.boucherie.com

Products/Services

Machinery for the broom and brush industry. Toothbrush machines,
Packaging machines, Injection moulds.

Key Personnel

Bart Boucherie Jr - President
Lisa Boucherie
Marc Lammerant
Peter Parmentier
Kris Geldof
Krisstof Dupont
Nico Dejonghe



Ebser Maschinenbau GmbH

Schonauer Str. 34
D-79674 Todtnau,
Germany
Tel: ++49 7671 992308-0
e-mail: info@ebser.de
Website: www.ebser.de

Products/Services

Manufacturer of machines for the brush industry
High performance drilling and tufting machines
Machines for Industrial/Technical brushes
Trimming Machines
Ball-Head Color-Machine woodworking Machinery

Key Personnel

Thomas Schmidt - General Manager
linda Giana - Accounts



ROTH COMPOSITE MACHINERY GMBH

Forststraße 3
D-35099 Burgwald
Hessen Germany
Tel: ++49 6451 71918-0

e-mail: info@roth-composite-machinery.com
Website: www.roth-composite-machinery.com

Products/Services

Manufacturer of production machines for the
brush and broom industry.
Universal and high performance machines.
Trimming and special machines.

Key Personnel

Thomas Halbrucker – Sales Manager

MACHINERY



Wöhler Brush Tech GmbH

Wöhler-Platz 2
D-33181 Bad Wünnenberg, Germany
Tel: +49 (0)2953 / 73-300
Fax: +49 (0)2953 / 73-96300
e-mail: bt@woehler.com
Website: www.woehlerbrushtech.com

Products/Services

We are a leading machinery manufacturer for
technical and specialty consumer brushes. We
offer solutions for the production of:

- strip brushes
 - twist knot brushes
 - brush segments and disks
 - dental and polishing brushes
 - street sweeper brushes
 - twist-in brushes
 - artist brushes
 - paintbrushes and rollers
- Further machinery for:
- deburring
 - HIT Brushes (surface technology)
 - WPC wood grain

Key Personnel

Dipl.-Ing. Matthias Peveling – Managing Director
Daniel Horenkamp, MBA – Managing Director

PAINT BRUSHES AND ROLLERS



Wistoba Pinselfabrik

Karl-Schmidt-Straße 4
D-37431 Bad Lauterberg
Germany
Tel: ++49 5524 8609 0
Fax: ++49 5524 8609 50
e-mail: info@wistoba.de
Website: www.wistoba.de

Products/Services

Paint brushes and rollers for professionals and DIY.

SYNTHETIC FILLINGS

NORTH AMERICA



Celanese Filaments Americas LLC

Washington Works Plant
8480 DuPont Road
Building 158
Washington WV 26181
Tel: +1-914-548-8602

Products/Services

We provide the highest quality filaments for all your
brush applications, plus global delivery to ensure the most
cost-efficient production in your local markets.
With manufacturing facilities that span the globe and technical experts
in multiple languages, we make it easy to meet all of your filaments
needs worldwide.
From FDA-compliant colorful filaments for oral care applications, to
long synthetic tapered bristles for paintbrushes and soft "natural feel"
filaments for cosmetics, we provide a broad range of product
development and manufacturing solutions for your individual product
requirements.

SYNTHETIC FILLINGS

EUROPE, MIDDLE EAST, AFRICA



Celanese Filaments Africa, Europe, Middle East

Minckelersstraat 8
NL-6372 PP Landgraaf
The Netherlands
Tel: ++31 45 532 9191
e-mail: filaments@dupont.com

Products/Services

We provide the highest quality filaments for all your brush applications,
plus global delivery to ensure the most cost-efficient production in your
local markets.

With manufacturing facilities that span the globe and technical experts
in multiple languages, we make it easy to meet all of your filaments
needs worldwide.

From FDA-compliant colorful filaments for oral care applications, to
long synthetic tapered bristles for paintbrushes and soft "natural feel"
filaments for cosmetics, we provide a broad range of product
development and manufacturing solutions for your individual product
requirements.

ASIA PACIFIC



Celanese Filaments Celanese China Holding Co. Limited

Bldg. 11, 399 Keyuan Road Zhangjiang Hi-Tech
Park Pudong New District Shanghai 201203
China
Tel: ++86 21-38622820
Fax: ++86 21-38622820

Products/Services

We provide the highest quality filaments for all your brush
applications, plus global delivery to ensure the most cost-efficient
production
in your local markets. With manufacturing facilities that span the globe
and technical experts in multiple languages, we make it easy to meet
all of your filaments needs worldwide.

From FDA-compliant colorful filaments for oral
care applications, to long synthetic tapered bristles for paintbrushes
and soft

"natural- feel" filaments for cosmetics, we provide a broad range of
product development and manufacturing solutions for your individual
product requirements.

SOUTH AMERICA



Celanese do Brasil S.A. South America

Alameda Itapecuru, 506 Alphaville 06454-080
Barueri - São Paulo Brazil
Tel: ++55 11 4166-8690
Fax: ++55 11 4166-8513

Products/Services

We provide you with the highest quality filaments for all your brush
applications, plus global delivery to ensure the most cost-efficient
production

in your local markets. With manufacturing facilities that span the globe
and technical experts in multiple languages we make it easy to meet all
of your filaments needs worldwide.

From FDA-compliant colorful filaments for oral care applications, to
long synthetic tapered bristles for paintbrushes and soft "natural- feel"
filaments for cosmetics, we provide a broad range of product
development and manufacturing solutions for your individual product
requirements

Brushwork

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SYNTHETIC FILLINGS



INDIA

Celanese India Pvt., Ltd

Arihant Nitco Park – 6th Floor
90, Dr. Radhakrishnan Salai
Chennai – 600 004
India
Phone: 91-44-2847-2800
Fax: 91-44-2847-3800

Products/Services

We provide you with the highest quality filaments for all your brush applications, plus global delivery to ensure the most cost-efficient production in your local markets. With manufacturing facilities that span the globe and technical experts in multiple languages we make it easy to meet all of your filaments needs worldwide.

From FDA-compliant colorful filaments for oral care applications, to long synthetic tapered bristles for paintbrushes and soft "natural- feel" filaments for cosmetics, we provide a broad range of product development and manufacturing solutions for your individual product requirements



FILKEMP, S.A.

Rua Francisco Lyon De Castro 28
P-2725-397 Mem Martins
Portugal
Tel: +351 21 9229437
email: info@filkemp.com
Website: www.filkemp.com

Products/Services

Abrasive Monofilaments

Key Personnel

Sofia Teles - Product Manager



Hahl Inc.

126 Glassmaster Road
P O Box 826
Lexington, SC 29071
USA

Tel: ++1 803 359 0706
Fax: ++1 803 359 0074
e-mail: info.lex@perlon.com
Website: www.perlon.com

Products/Services

Hahl Range Synthetic monofilaments: PA6, 66, 610, 612, PA12, Polyester PBT, Polymex, Mylex LDPE, PPN, Bionifil.
Hahlbrasif. 6, Abralon, Abrafil. 612, AbraMaXX.

Key Personnel

Terry Hogan Sales Director – North America
Andrew McIlroy - Sales & Marketing Director
Hahl Range
Thomas Olma - Sales & Marketing Director
Pedex Range

SYNTHETIC FILLINGS



Hahl Filaments GmbH

Rottenackerstraße 2–18
89597 Munderkingen
Germany
Tel: ++49 (0)7393 530
e-mail: info@perlon.com
Website: www.perlon.com

PEDEX GMBH

Hauptstraße Nord 67
69483 Wald-Michelbach
Germany
Tel: ++49 (0)7393 530
e-mail: info@perlon.com
Website: www.perlon.com

Product/Services

Pedex Range: Standard and Innovative synthetic monofilaments for toothbrush and personal care brushes, Medex**S*, Dentex**S*

Hahl Range: Synthetic monofilaments: PA6, 66, 610, 612, PA12, Polyester PBT, Polymex, Mylex LDPE, PPN, Bionifil.

Key Personnel

Thomas Olma:
Global Head of Business Segment PC
Andrew McIlroy:
Global Head of Business
Segment TBF



Proveedora Mexicana De Monofilamentos

Oriente 217 No. 190
Agricola Oriental
08500 Mexico City
Mexico
Tel: ++52 55 5763 8663
Fax: ++52 55 5700 5769
e-mail: pmm@pmm-mex.com
Website: www.pmmbrightline.com

Products/Services

Proveedora Mexicana de Monofilamentos (PMM) is a worldwide recognized company, specializing in the production of Quality Engineered Synthetic Monofilaments for toothbrushes, interdental brushes, cosmetic brushes and brushes for industrial applications. The experience acquired during more than 45 years of operation, enables us to fulfill our customer's requirements by offering: personalized service, small lot sizes and one of the shortest lead times in the industry.

The quality of our products and processes, supported by our ISO9001 and ISO14001 certifications, along with the knowledge, experience and enthusiasm of our team has led PMM to occupy an important place in the brush industry.

Key Personnel

Dennise Silva - Sales Manager
Enrique Mejia - General Manager

SYNTHETIC FILLINGS



Tai Hing Nylon Filament Products Co. Ltd.

Hong Kong Address

Shop C, On Ying Mansion, G/F
1138 Canton Road
KLN, Hong Kong

China Address

No. 88, Yunqin Road, Jianghai High Tech District,
Jiangmen, Guangdong Province,
China

Tel: ++86 0750 3777088/00852-24940233
Fax: ++86 0750 3777099/00852-24852677
e-mail: marketing@taihingnylon.com
Website: www.taihingnylon.com

Products/Services

Originated in 1985, Tai Hing Nylon Filament Products Co., Ltd. (Tai Hing) has specialized in providing various kinds of high-quality monofilament products (4300+ product portfolio), such as PA6/66/610/612/46, PBT, PET, PE, PP, PS, PPS, PEEK, etc., applied in widely over 12 industries, and cooperated with over 36 well-known international brands and countries.

Key Personnel

Mr Wilson Lau - Director
Mr William Lau - Director
Mr Peter Pang - Sales Manager

WIRE



Frank Bürstendraht GmbH

Industriestr. 6,
58840 Plettenberg
Germany

Tel: ++49 2391 60153 0
Fax: ++49 2391 60153 20
info@buerstendraht.de
www.buerstendraht.de

TRADE ASSOCIATIONS

AMERICAN BRUSH MANUFACTURERS ASSOCIATION

P.O. Box 102, Waterville, OH 43566
Tel: +1 (419) 878-2787
info@abma.org
Website: www.abma.org

Key Personnel

Donna Frensd: ABMA Executive Director

EUROPEAN BRUSH FEDERATION-FEIBP

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The Netherlands
Tel: ++31 13 5944 678
Fax: ++31 13 5944 749
e-mail: feibp@wispa.nl
Website: www.eurobrush.com



American Brush
Manufacturers
Association



If Only They Had Joined...

www.abma.org





European producer of metal brooms handles and telescopic handles



Tel: +39 0573 84038
Fax: +39 0573 84513
email: info@algisrl.com

www.algisrl.com