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The World's Leading Magazine for the Brush industry
Issue 264 July/August 2023

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Brushwork is published six times a year including the World Brushwork Catalogue for an annual subscription of £150.00 (\$190.00, Euro 180).

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AIRSTREAM COMMUNICATIONS



World Brush Expo – the brand new trade fair for the global brushware industry: technical brush, paintbrush, paint roller, hygiene brush, oral care brushes and mop industries will take place 22- 24 May 2024 in the Bolognafiore Venue.

The event, that will be organized by Bolognafiore Spa – one of the leading European event organizers in partnership with the American Brush Manufacturers Association (ABMA) and with the European Brushware Federation (FEIBP) will be the “not to be missed “ appointment for the professionals of the brush sector from all over the world.

The organizers are expecting that more than 200 exhibitors will take part in the show and exhibit their technologies and products with their booths covering a surface of 20.000 sqm in the two up to date 29 and 30 halls of the Bolognafiore Venue.

Bolognafiore and the city of Bologna are ready to welcome the 10.000 professional visitors that are expecting to register and visit the World Brush Expo 2024.

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Check out Brushworkmagazine.com

Join the Largest Gathering of Brush Manufacturers taking place in Europe: **FEIBP Congress 2023 in Belfast**



The European Brushware Federation (FEIBP) is proud to announce that the 63rd annual congress will be taking place from September 20-23, 2023 in Northern Ireland's beautiful capital city, Belfast.

The event, hosted by Denroy Ltd, John Rainey, and Christopher Boomer, promises to be another great opportunity for brush manufacturers to gather and discuss industry trends, network with colleagues, and meet with suppliers.

The FEIBP Congress is an annual event that brings together brushware manufacturers from all over Europe to discuss the latest trends, innovations, and best practices in the industry. It offers attendees the opportunity to network with peers, meet with suppliers, and gain insights into the latest technological advancements in brushware manufacturing. The congress also features keynote speakers, workshops, and seminars covering a range of topics related to the brushware industry.

Benefits of Attending the FEIBP Congress

Attending the FEIBP Congress provides numerous benefits for brushware manufacturers, including:

- Networking opportunities with fellow manufacturers and suppliers
- Access to up-to-date information on industry trends and developments
- Opportunities to learn about new technologies and techniques in brushware manufacturing
- Potential for business development and partnerships

Event Details and Logistics

The FEIBP Congress will take place from September 20-23, 2023 in Belfast, Northern Ireland. This is the first time the congress will be held in Northern Ireland, and attendees can expect to enjoy the city's rich history, culture, and hospitality.

Registration for the congress will be available on the official congress website, www.eurobrush.com, which will

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FEIBP in Belfast, make plans to attend this years' congress: 20-23 September 2023



be released soon. Early bird registration discounts will be available for those who register before a specified date. Registration fees will cover attendance at all conference sessions, workshops, and social events.

The congress hotel is Superbly located in Belfast, the world-famous Europa is often referred to as the heartbeat of the city. Standing tall in the city centre for over 50 years, the Europa has attracted many famous faces from all over the world, and hosted numerous prestigious events over the years. The Europa offers a choice of 272 hotel rooms including 92 Executive Bedrooms and Suites, and with our elegant decor, contemporary bistro, bustling bar and of course our ever-popular piano bar lounge, the Europa Hotel is the four star hotel of choice in the city.

At the Europa Hotel every guest is a VIP and will experience the finest in Irish hospitality and the highest level of customer service which the Europa is internationally famous for.

Due to its prime location, the Europa Hotel is a short distance from many of Belfast's top visitor attractions including the Ulster Museum, Grand Opera House, City Hall, Titanic Belfast, Waterfront Hall and SSE Arena.

Valet car parking is available at the Europa Hotel for £25 per day. Other car parking options include the Value Car Parks is situated on Grosvenor Road (a two minute walk from the hotel) with guests able to avail of discounted parking rates, please call +44(0) 28 9027 1066.

Other accommodation options will also be available in the city of Belfast.

Travel Information

Belfast is well connected via Belfast and Dublin airports, and attendees will be able to travel to the congress venue easily via public transportation or taxi. More information on travel options will be available on the congress website .

Networking Opportunities

Meeting Fellow Manufacturers

The FEIBP Congress provides an excellent opportunity for brushware manufacturers to meet and network with peers from all over Europe. Attendees can share their experiences and expertise, discuss industry trends, and form valuable connections that can lead to business partnerships and collaborations.

Contacting Suppliers

The congress also offers attendees the chance to meet with suppliers and learn about the latest products and technologies in the brushware industry, allowing attendees to interact with them and learn more about their offerings.

Industry Updates and Trends

The FEIBP Congress features keynote speakers and presentations that cover a wide range of topics related to the brush industry. Attendees can gain insights into the latest trends, innovations, and best practices in the industry, and come away with valuable information that can help them stay ahead of the competition.

Business Development Opportunities

The congress also provides excellent opportunities for business development, including potential partnerships and collaborations. Attendees can build relationships with suppliers and fellow manufacturers, and explore new markets and business opportunities.

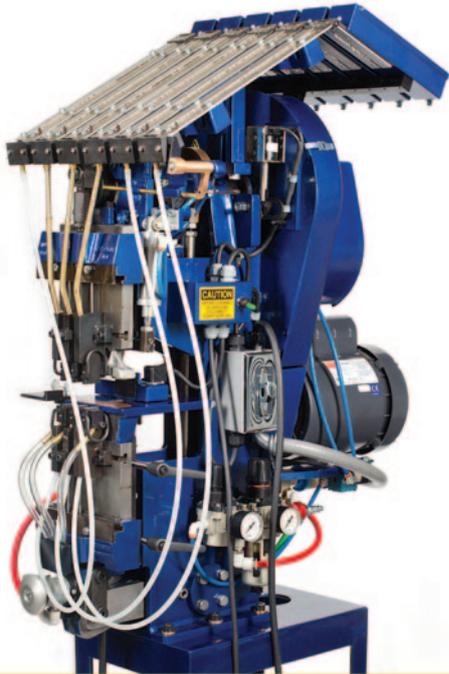
Keynote Speakers and Presentations

The FEIBP Congress features keynote speakers who are experts in their fields and can offer valuable insights into the brush industry. The speakers will cover a range of topics, including the latest trends and innovations, best practices in manufacturing, and new technologies and techniques.

- Docas Crawford on "Conflict resolution"
- David Paulson on the theme: "The isolated leader"; No man is an island

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FEIBP in Belfast, make plans to attend this years' congress: 20-23 September 2023

Social Events and Activities

Welcome Reception

The congress will kick off with a welcome reception that provides attendees with the opportunity to meet and socialize with fellow manufacturers and suppliers. This is a great chance to network and make new connections in a relaxed and informal setting.

Gala Dinner

The gala dinner is one of the highlights of the FEIBP Congress, and provides attendees with an opportunity to enjoy a delicious meal and have fun with colleagues. The event will feature entertainment and other surprises that are sure to make it a night to remember.

Optional Tours and Excursions

The congress will also offer optional tours and excursions that allow attendees to explore Belfast and its surroundings. Details on these activities will be available on the official congress website.

Final Thoughts on FEIBP Congress 2023 in Belfast

The 63rd FEIBP Congress promises to be an exciting and informative event for brushware manufacturers, suppliers, and other industry professionals. With a range of networking opportunities, informative presentations,

hands-on workshops, and social events, the congress offers attendees the chance to learn about the latest trends and innovations in the brushware industry, and to build valuable connections with their peers. Don't miss this opportunity to join the largest gathering of brushware manufacturers in Europe - register for the FEIBP Congress 2023 in Belfast today!

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Perlon GmbH in Germany acquires Shaun Filaments in Goa, India

Perlon® - The Filament Company - headquartered in Munderkingen, Germany, which specializes in the manufacture of synthetic filaments for the Paper-Technical Textile - Brush- Personal- and Dental industry, buys Shaun Filaments in Goa, India. Shaun Filaments is a leading Indian producer of different types of filaments mainly for the Asian market. Perlon® herewith expands its Asian presence and market leadership in the following business segments: Paper Machine Clothing, Advanced Technical Textiles, Technical Brush Filaments and Personal Care.

“With the acquisition of Shaun Filaments, we are expanding our presence in the Asian market and creating a company that is geared towards the global filament industry of the future and we are expanding our market leadership in all segments. Shaun Filaments is a perfect fit for the Perlon® Group with its long-term experience, strong reputation and knowledge in the production of filaments for the Asian market.” states Florian Kisling, CEO of Perlon®.

The Perlon® Group will take over Shaun Filaments with all employees and production lines located in the Shaun Filaments factory in Goa, India.

Company Information

Perlon® - The Filament Company – is the world’s leading manufacturer of synthetic filaments and generates annual sales of over 160 million Euro, employs more than 850 people and operates from locations in Germany, Poland, USA and China.

Perlon® is a part of Serafin Group, whose philosophy is based on more than 150 years of entrepreneurial tradition of its shareholding family. Serafin invests into companies with the aim to foster their long-term development in accordance with all stakeholders.

www.serafin-gruppe.de

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Is your message hidden in plain sight?

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Elevate Your Brush Making Business with the Latest Trends and Innovations at the CIBRUSH Show in China



You are a lead player the worldwide brush making industry. Do you want to stay on top of the latest trends and innovations in this field? Look no further than the China International Brush Making Industry Exhibition (CIBRUSH). This international professional exhibition is the largest of its kind in the world and is held every two years in Shanghai and Shenzhen, China. With a focus on development, innovation, and sustainable growth, CIBRUSH is the perfect opportunity to elevate your brush making business.

What is the CI Brush Maker's Show?

CIBRUSH is organized by the China Sundry Articles Industry Association and Beijing HJT International Exhibition Co., Ltd., and undertaken by HJT Exhibition (Shenzhen) Co., Ltd. It is a three-day event that brings together industry experts, thought leaders, and businesses from around the world to showcase the latest trends and innovations in brush making. With an exhibition scale of 20,000 square meters and over 90 exhibitors, CIBRUSH is one of the largest international brush making industry exhibitions.

Benefits of Attending the CI Brush Maker's Show

Attending CIBRUSH offers many benefits for businesses in the brush making industry. Not only will you have the opportunity to network with fellow professionals and explore new business opportunities, but you'll also gain valuable insights into the latest trends and innovations in brush making. Whether you're looking to expand your product line, improve your manufacturing processes, or learn more about sustainable growth, CIBRUSH has something for everyone.

Overview of the CI Brush Maker's Show

Location and Dates

CIBRUSH is held in Shanghai and Shenzhen every two years. The next event will take place from September 13-15, 2023 at the Shenzhen World Exhibition & Convention Center in Shenzhen, China.

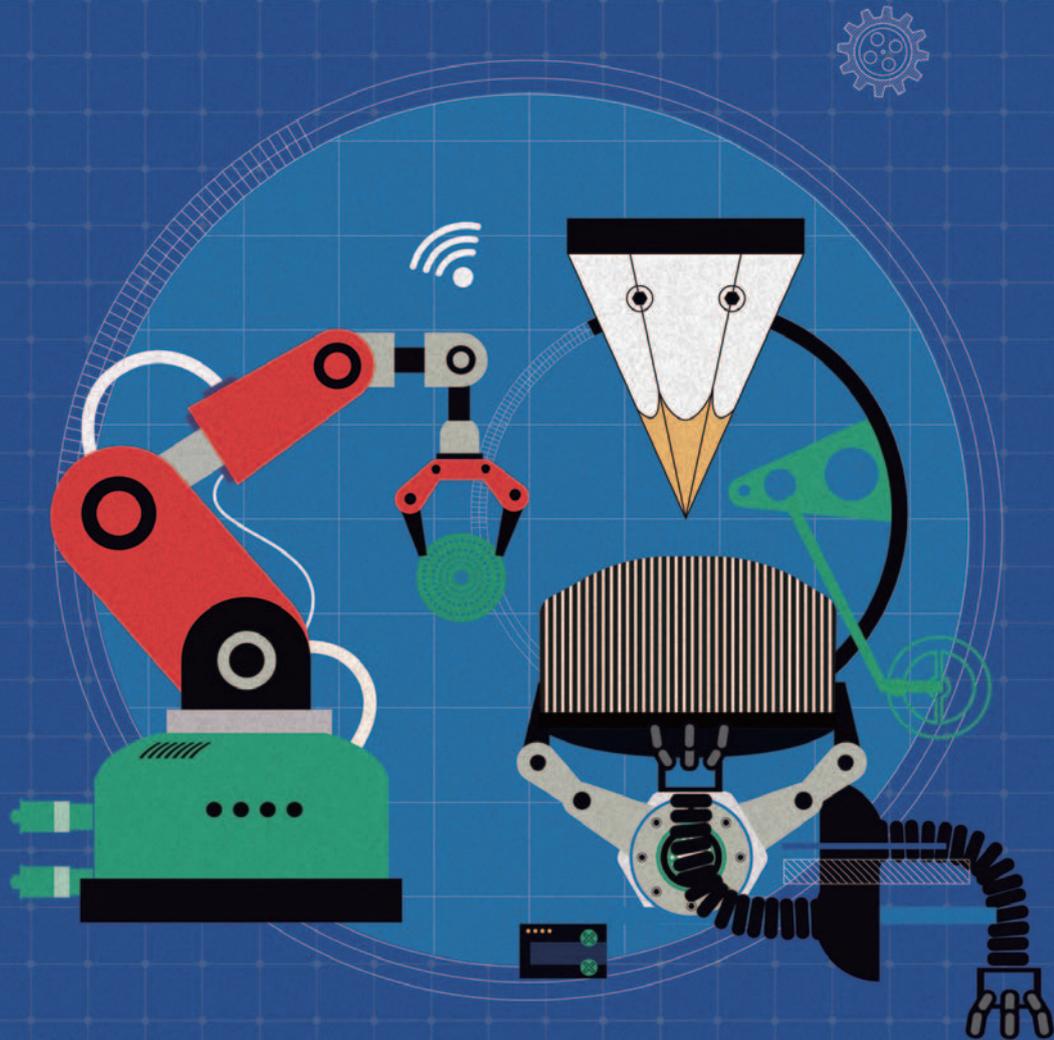
Attendance and Networking Opportunities

CIBRUSH attracts over 8,000 visitors from around the world, with 30% coming from overseas and 70% from Mainland China, Hong Kong, Macao, and Taiwan. This provides ample opportunities for networking and building relationships with professionals in the industry.

Be SMART!
Visit the biggest brush show of 2023
Sep. 13-15, 2023
Shenzhen World Exhibition & Convention Center

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Brush Making
is Getting Smarter

Brush Making is Getting Smarter



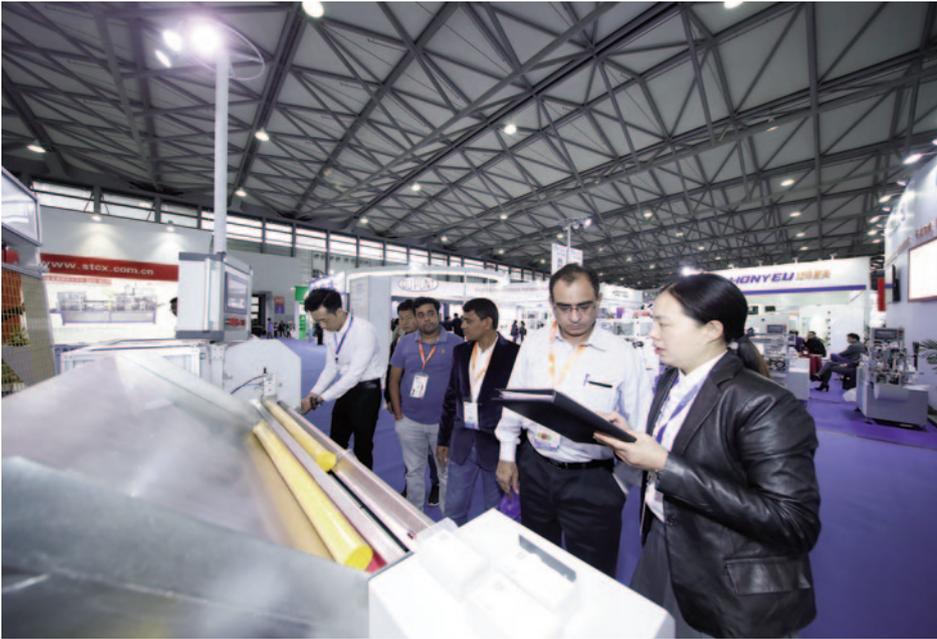
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Shenzhen World to see the future of the
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i BRUSH

China International Brush Making
Industry Exhibition

**2023
Sep. 13-15
Shenzhen World**



brush making machines, tufting machines, and auxiliary equipment will be showcased, allowing businesses to explore new manufacturing processes and streamline their production.

Design and Packaging **Creative Designs and Packaging** **Innovations**

CIBRUSH will also feature the latest trends and innovations in brush design and packaging. From creative designs to sustainable packaging solutions, attendees can explore new ways to elevate their products and stand out in the market.

Educational Workshops and Seminars

Industry Experts and Thought Leaders

CIBRUSH offers a variety of educational workshops and seminars led by industry experts and thought leaders. These sessions provide valuable insights into the latest trends and innovations in brush making, as well as best practices for sustainable growth.

Topics Covered in Workshops and Seminars

Topics covered in these sessions may include new materials and techniques, sustainable growth, automation solutions, design and packaging, and more. Attendees can choose which sessions to attend based on their interests and business needs.

Worldwide Attendance and Market Opportunities **Global Reach and Opportunities**

With attendees from around the world, CIBRUSH provides businesses with a valuable opportunity to expand their reach and explore new market opportunities. Networking with

Exhibitors and Products Showcased

Over 90 exhibitors will showcase their products and services at CIBRUSH. Exhibits include technology, equipment, and accessories such as fully automatic brush making machines, tufting machines, auxiliary equipment, paint brushes and roller brush processing equipment, twist wire machines, mop processing equipment, packaging machines, cutting machines, mane blending machines, wooden handle processing equipment, molds, filament extrusion equipment, injection molding machines, automation solutions, accessories, consumables, polymer filaments, natural filaments, metal filaments, raw materials, additives, and more. Visitors can explore exhibits in industrial brushes, commercial cleaning, coating tools, household brushes, oral care, cosmetic brushes, brushes for special industries, paintbrushes, Chinese writing brushes, and other related fields.

Latest Trends and Innovations in Brush Making

Materials and Machinery **New Materials and Techniques**

CIBRUSH is the perfect opportunity to learn about new materials and techniques in brush making. With a focus on sustainable development, many exhibitors will showcase innovative and eco-friendly materials such as biodegradable plastics, bamboo, recycled materials, and more. Additionally, new techniques such as 3D printing and automation solutions will be on display.

Innovative Machinery

The latest technological advancements in brush making machinery will also be on display at CIBRUSH. Fully automatic



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International Trade and Networking Opportunities

CIBRUSH also offers opportunities for international trade and networking. Attendees can connect with businesses from around the world and explore new business opportunities in different markets.

Tips for Making the Most of Your Experience

Preparing for the Show

Prior to attending CIBRUSH, it's important to do your research and plan ahead. Create a schedule of which exhibits and sessions you want to attend. Additionally, be sure to bring plenty of business cards and promotional materials to hand out to fellow attendees.

Navigating the Show Floor

CIBRUSH is a large event with many exhibitors and sessions, so it's important to plan ahead and navigate the show floor efficiently. Take advantage of the pre-connecting and F2F connecting services offered to match with exhibitors and attendees who are relevant to your business needs.

Building Relationships and Connections

CIBRUSH offers many opportunities for networking and building relationships with industry professionals. Be sure to take advantage of these opportunities and connect with as many people as possible. Follow up with contacts after the event to solidify these relationships.

Tickets

Please use ticket link:

<https://bj3.infosalons.com.cn/reg/CIB23SZ/registeren/start> or the QR code as follows:



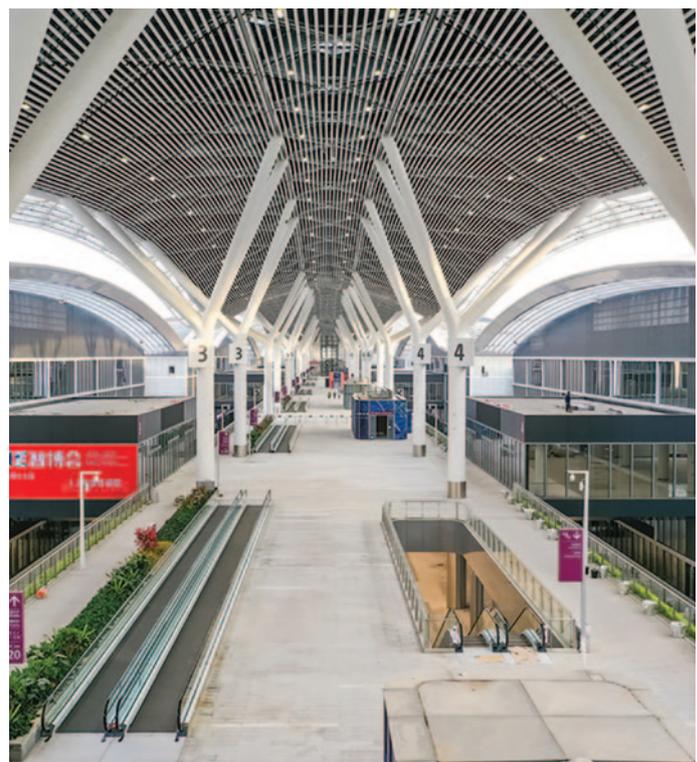
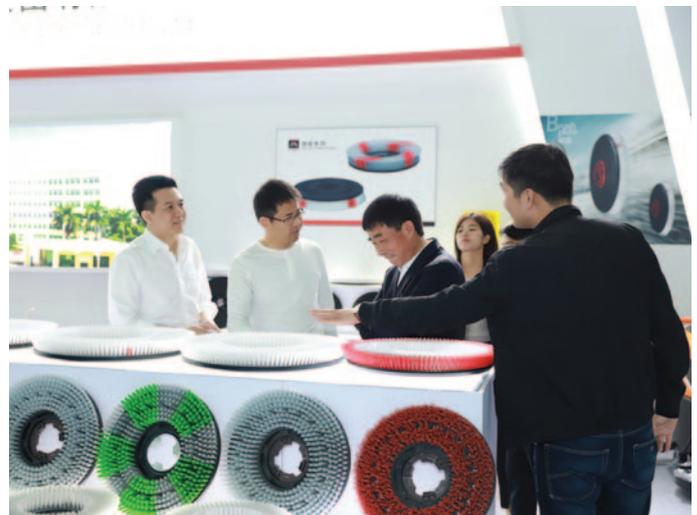
Contact information:

For visitors and exhibitors from overseas, please contact wenting.zhang@hjtexpo.com or call: +86-10-58677126
Website: <https://www.cibrush.com/en/>
Or send email to yifan.zhang@hjtexpo.com or call: 86-10-58677998

Key Thoughts on the CI Brush Maker's Show

CIBRUSH is the premier event for businesses in the brush making industry. With its focus on development, innovation, and sustainable growth, attending this event is a must for anyone looking to stay ahead of the competition and elevate their business. From exploring the latest trends and innovations in materials, machinery, and design to learning from industry experts and thought leaders, CIBRUSH provides invaluable opportunities for networking, education, and business growth. Don't miss your chance to be a part of this exciting event and register for your tickets today.

See you at CIBRUSH 2023!





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<https://krplas.com/>
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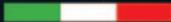
Zhenjiang Jiajian Painting Tool Co., Ltd.

Brushwork: 最适合刷子、扫帚和拖把

Brushwork 19



**TAILOR
MADE**
HANDLE
SPECIALISTS


WWW.FASS.IT

TAILOR-MADE HANDLE SPECIALISTS

More than 50 years of quality and innovation in cleaning items: it's in the DNA of this Italian family company.

FASS is one of the most integrated and well-known companies in our market: all the products, starting from brooms, brushes and mop heads, passing through all the plastic components up to the painted metal handles are totally Made in FASS.

Totally Made in FASS is the real core strategy of the company: now more than ever the capability to

produce internally most of the components, the continuous improvement of the soft skills and the technical know-how are the key asset for FASS. Thanks to these core competences, FASS decided to change the manufacturing approach over the past twenty years, following all the customers requests: less standardization and more customization. The international scenario is changing daily and very quickly, perhaps more than what we are

truly able to imagine, reducing the opportunities of growth and minimizing the possibility to sell big volumes.

Tailor-made production in cleaning items sounds like an impossible slogan, it's really a revolutionary approach based on flexibility, design and customization. The goal of FASS is trying to replicate the same feeling you have every time you buy something extremely customized: it is completely different relative to all the others, it's simply and exclusively yours.



“Ad personam” metal handles

Vertical integration allows FASS to satisfy the most unusual requests, starting from special moulds with three different materials up to the special type of powder. The management believes that quality, style and differentiation are the only ways to work with different customers, without selling the same caps, same colours and of course same look.

Up to the end of the last century, metal handles production worldwide was very standardized: all the machinery and equipment were projected to reach high volumes without flexibility. FASS team developed new technologies that guarantee the possibility to create special metal handles without asking for a million pieces: everything starts from a special team of designers. When the first prototypes are ready, the process of product engineering is the key to adapt customized requests to the automatized production.

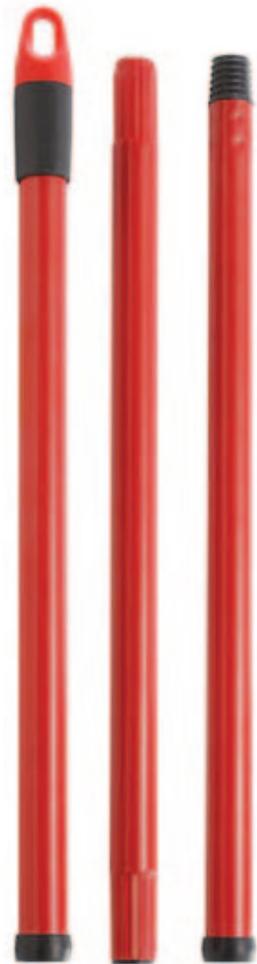
This is how FASS creates an handle “ad personam”: there is an infinity of possible combinations, from the colours to the materials, from a special design of each cap to the customized logo, to the multi-pieces and telescopic categories, all accordingly to the higher standards of quality.

Injected in FASS

One of the secrets of the tailor-made production of metal handles is the injection moulding department, where a well prepared staff is continuously improving their performance with the most updated technologies, mainly Made In Italy. All the moulds are Made In Italy, thanks to long term relationships with several suppliers and all the components have to pass from quality controls on the basis of the Quality Assurance system. Technology is the answer to the increasing competition worldwide and in front of the idea of a tailor-made production: 15 Italian injection moulding machines and more than 100 moulds run every day to satisfy all the customer requests

Multipieces and telescopic metal handles

“Less is more”: less space is the key for the best-seller handles. All the main brands are selling more and more via e-commerce, and most of the new products are in the form of a compact kit ready to sell inside paper packaging. At the same time we have to save space for the transport and we have to be sustainable: it means that traditional fixed handle are going to lose always more space. FASS invested significantly in multipieces and telescopic handles, with infinite custom solutions.



Brush Manufacturers and Suppliers Attend the 63rd Annual Victor F. Miller Memorial Golf Tournament



Brush manufacturers and suppliers from around the world gathered for the 63rd annual Victor F. Miller Golf Tournament in Cleveland, Ohio - sponsored by The Mill-Rose Company.

The Mill-Rose Company held the 63rd annual Victor F. Miller Memorial Golf Tournament at Shaker Heights Country Club in Cleveland, Ohio on Thursday, June 22, 2023. Brush manufacturers and suppliers from around the world gathered for the annual event honoring The Mill-Rose Company's past president, Victor F. Miller.

The golf event serves as the culmination of activities the week before where brush company representatives renew alliances, discuss business trends and opportunities for the brush manufacturing industry. Brushes manufactured by these companies are used in virtually every type of industry around the world. Applications include makeup/mascara brushes, hair brushes, floor sweeping and polishing brushes, gun cleaning brushes, car wash brushes, copier toner brushes, brooms, paint brushes, and special brushes used in the medical field.

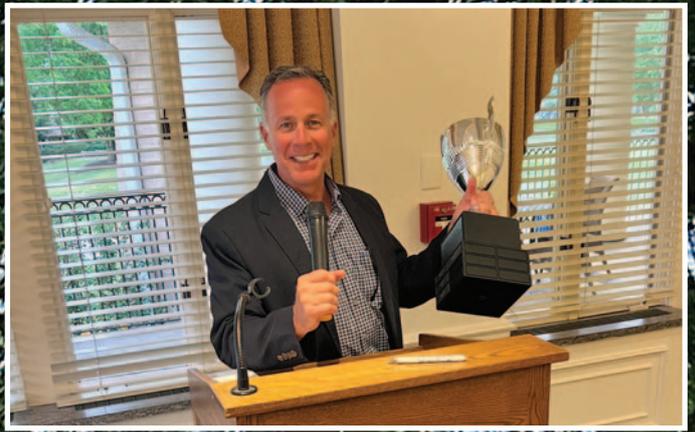
The weather was perfect for the golfing event. Skills of the golfers ranged from novice to near professional, however, a good time was enjoyed by all.

Prizes were awarded to golfers for outstanding performance including:

- First Place, Low Gross – Dan Kirtz (Malish Corp)
- Second Place, Low Gross – Jim Benjamin (Precision Brush)
- Third Place, Low Gross – Tie Breaker between Chris Monahan (Brush Fibers) and RJ Lindstrom (Zephyr Manufacturing) going to Chris Monahan
- Closest to the Pin – Ian "Lord" Moss (Brush Fibers)
- Closest to the Pin – Dan Kirtz (Malish Corp)
- Longest Putt, Ian "Lord" Moss (Brush Fibers)
- Longest Drive, RJ Lindstrom (Zephyr Manufacturing)
- Paul M Miller Wolf Championship, First Place, Chris Monahan (Brush Fibers)
- Last but not least, an award was given to Bart Simon, previously of Phillips Brush, for his dedication to the event. It was noted that his support of the Victor F. Miller Annual Golf event began in 1973, spanning 50 years!



Ian Moss and Gregory Miller



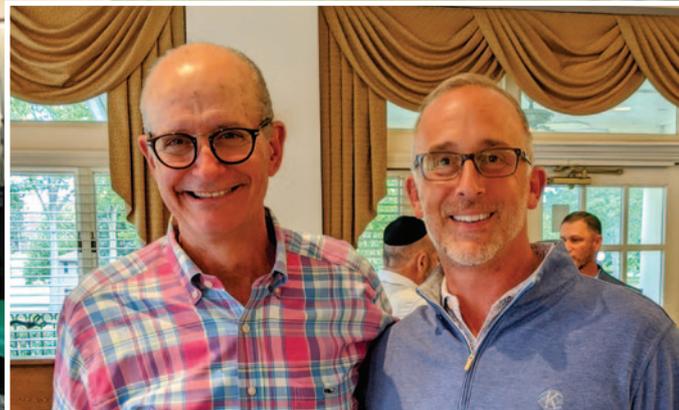
Jim Benjamin and his trophy



Jeff Malish, R.J. Lindstrom, Gary Townes, Gregory Miller, Jim Benjamin and Chris Monahan



Chip Preston, Terry Hogan, Jim Benjamin and Scott Enchelmaier



Scott Enchelmaier and Gregory Miller



Kevin Lannon and Chris Monahan with trophy



Gary Townes of Magnolia Brush



Closing Ceremonies led by Gregory Miller

A dinner followed the golfing event with speakers including ABMA President Chris Monahan who provided updates on upcoming industry events, including the 63rd annual FEIBP Congress in Belfast, Ireland, the 107th ABMA Convention in Amelia Island, Florida and the inaugural World Brush Expo being held in Bologna Italy, May 22-24, 2024.

“Tradition” was the keynote speech delivered by host Gregory Miller, stressing the importance of association activities like the Victor F. Miller golf event. “I’m always impressed by the support and

camaraderie at our events that strengthen bonds and create opportunities within our great industry. Look within your own organizations and push the next generation to get involved in association and brush-related activities,” said Miller.

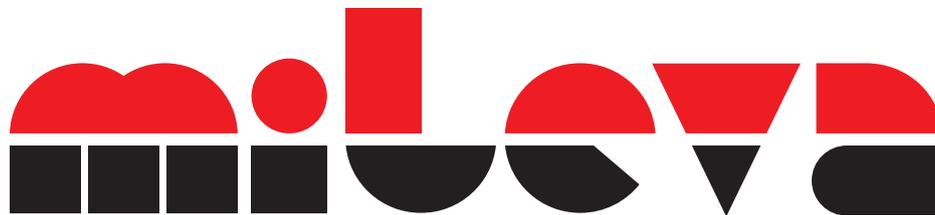
Everyone was encouraged to start making travel plans and arrangements for the 2024 World Brush Expo. The list of exhibitors continues to grow and the event is shaping up to be a world-class event.

About The Mill-Rose Company

The Mill-Rose Company is the 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 third generation. Mill-Rose experienced significant growth from its humble beginnings in 1919, and today operates manufacturing and warehouse facilities throughout the United States and Mexico. A 64,000 square foot production facility in Mentor, Ohio and 33,000 square foot production facility in Mexico feature the latest in manufacturing techniques and quality-control programs. Manufacturing is complemented by a 70,000 square foot U.S. distribution center located in Mentor, Ohio.

Brushwork Features List 2023 to 2024

Publication date	Copy date	Publication date	Copy date
September/ October 2023 Issue 265 FEIBP Congress Review CIBRUSH review The Filling Materials Special	25 August 2023	May/June 2024 Issue 269 Toothbrush Special Houseware & Hardware Brooms & Brushes Personal & Hygiene Brushes Statistics Part 2 (Exports) ABMA and World Brush Expo Review	25th April 2024
November/December 2023 Issue 266 Toothbrush Special Machinery Special	15 October 2023	July/August 2024 Issue 270 Industrial & Technical Brushes Artist & Cosmetic Brushes To be Distributed at FEIBP Congress	15 July 2024
January/February 2024 Issue 267 World Brush Catalogue (Brush Trade Directory by name, country and category)	10 December 2023	September/ October 2024 Issue 271 FEIBP Congress Review The Filling Materials Special	25 August 2024
March/April 2024 Issue 268 Paint Pads, Rollers and Brushes US Statistics Part 1 (Imports) Handles, Ferrules & Brushblocks ABMA and World Brush Expo Previews To be Distributed at ABMA Congress and World Brush Expo	25 January 2024	November/December 2024 Issue 272 Machinery Special	15 October 2024



Plastic blocks for cleaning articles



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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 70 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.



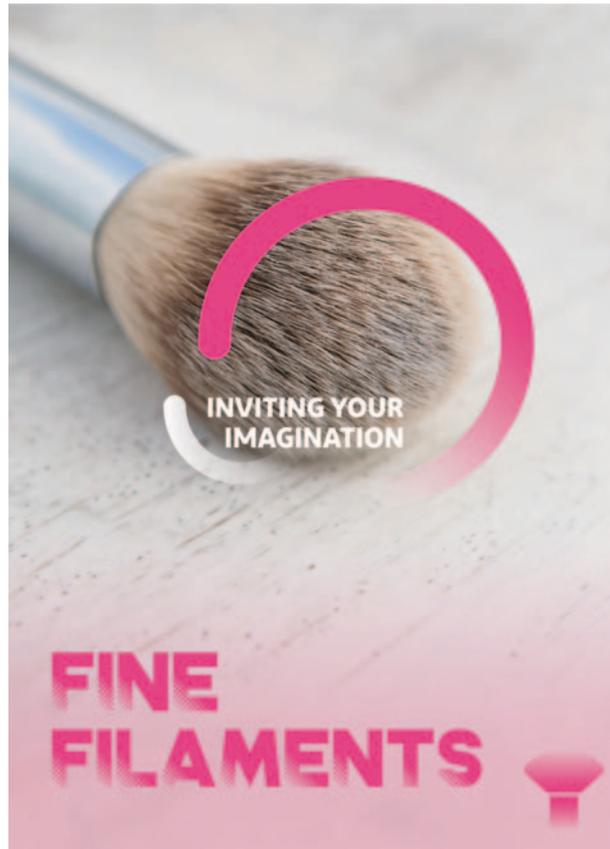
Design Freedom. Limitless Possibilities.

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

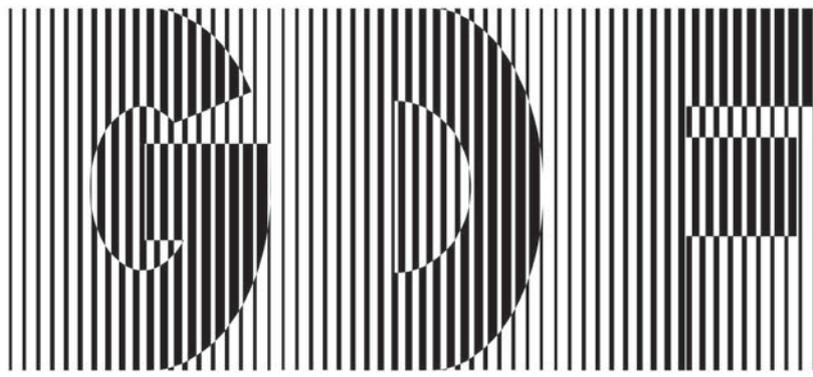
When it comes to the cosmetics industry, consumer needs are dynamic and ever-changing. There is also an increasing expectation for high performance tools as consumer cosmetic applications are more and more specialized towards professional grades. From powder to eyeliner, mascara to nail polish, as well 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 manufactures 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.



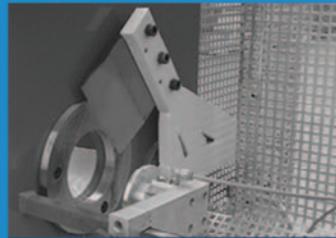
Maria & Daniel Köhler



BRUSH MACHINES



PAINTBRUSH MACHINES



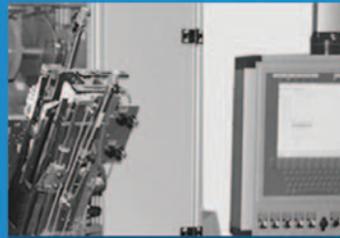
CUTTING MACHINES



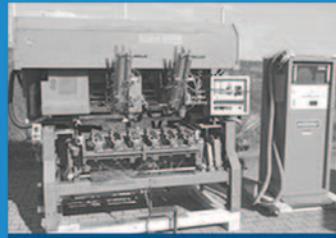
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The new Z.SCORP from ZAHORANSKY

Fully automated production of technical brushes thanks to integrated trimming unit

New standards in terms of output, flexibility and automation in the production of disc or cylindrical brushes - this is what the new Z.SCORP production line from ZAHORANSKY stands for. Thanks to the integrated trimming unit, the compact machine design enables fully automatic production of technical brushes directly after the tufting process.

Compared to the usual combination of a drilling and tufting machine with a trimming machine, this saves space in the production hall and significantly increases both efficiency and process reliability.

Full automation ensures up to 30 percent higher output compared to conventional brush production and effectively prevents operator errors and quality fluctuations. The Z.SCORP also shows its strengths in flexible and fast changeover to other brush types. Both the trimming and drilling units and the brush length can be adapted to produce different brush designs in just a few steps.

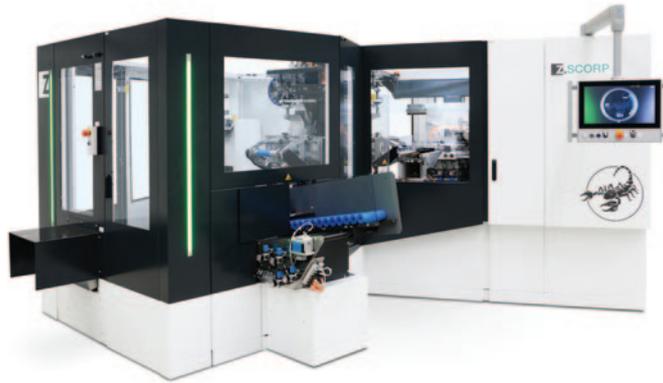
The programming and visualization of the desired trimming contours and brush designs is then carried out directly on the machine via the smart ZMI 4.0 machine control system. In addition, the Z.SCORP is currently the only machine on the market that can be converted for the fully automated production of disc brushes as well as cylindrical brushes thanks to the simple changeover option of the carriage and the infeed system.

Efficiency through automation

As a 3-station, 5-axis carousel, the Z.SCORP offers maximum productivity in the field of technical brushes. The machine is configured to produce disc or cylindrical brushes depending on the customer's requirements but can be retooled by the customer at any time if necessary - for example, to expand the product portfolio.

The highly efficient and safe manufacturing process is as follows: Brush bodies made of plastic or wood are first fed into the system either manually or fully automated by robot. Then the machine drills the necessary holes with high precision, and diameters of up to 8.5 millimeters, and tufts them. Plastic and wire filaments as well as natural fiber and natural hair with an unfolded length of up to 260 or 320 millimeters can be used. With up to 600 tufts per minute and the option of using up to three different colored filaments simultaneously, the Z.SCORP is extremely productive.

The brushes are trimmed directly afterwards. The integrated trimming unit works with precision to the millimeter according to the stored contours and brush designs. Cylindrical brushes can be produced up to a maximum length of 600 mm and a diameter of up to 320 mm, and disc brushes up to a maximum diameter of 610 mm and a total height of 170 mm.



Quick and easy adaptations

If the machine should produce a different brush model, the changeover is extremely quick and uncomplicated. Thanks to the ergonomic operating concept with easy accessibility and the highest safety standards, necessary adjustments to the trimming unit can be made in under 3 minutes without tools. This alone saves around 15 minutes of downtime in production.

Corresponding adjustments to the brush length and the drilling unit can also be made in just a few steps.

Adjusting the trimming contours is just as easy. These can be programmed easily and flexibly in less than a minute via the ZMI 4.0 machine control system. The brush can be visualized at any time to get a direct impression of the final product. The finished design is then stored in the system and can be retrieved at any time. The final removal of the finished brushes is either manual or fully automatic. However, efficiency and well-thought-out design play a major role in the machine not only in the manufacturing processes. For clear visualization of the current operating status, the machine has vertical LED bars with a traffic light function that allow operators to see directly whether material is missing, there is a problem, or everything is running normally.

Background information

The name ZAHORANSKY has stood for reliability, precision, and sophisticated technology since 1902. The foundation for this was laid by Anton Zahoransky in his small workshop in Todtnau, where he manufactured the first devices and machines for automated brush production.

Thanks to the experience and expertise gained since then, ZAHORANSKY is now a full-range supplier and technology partner for companies in the brush industry, medical technology, and other sectors. With injection molds, mechanical engineering, automation technology, and packaging systems, ZAHORANSKY can provide comprehensive services for individual requirements. Approximately 900 employees, including 70 trainees, work to achieve this every day at ten locations in Germany, Spain, China, India, Japan, Brazil, and the United States.

ZAHORANSKY's multi-system solutions cover the entire process chain: from integrating packaging technology and handling, to programming and robotics in the manufacture of fully automated production and assembly systems. ZAHORANSKY's technologies and services are widely used in the following industries: household and industrial brushes, oral care, medical technology, cosmetics, consumer goods, and packaging.



Filkemp^o

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Your custom-made Abrasive Filament

- Round or flat profiles
- Grit sizes from grit 36 up to 3500
depending on grit type
- 0.01" to 0.12" diameters
- Cut to 1.73" up to 55.3" or
on spools
single or multiple ends
- Level or crimped finishing
- In a broad variety of colors
- With or without wax coating

We also provide our expertise and lab resources to help with your individual needs and applications.

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 Plc

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
Kristof Dupont
Nico Dejonghe



Paggin S.R.L.

Via G. Matteotti 60
30035 Mirano (VE)
Italy
Tel: ++39 3492376859
e-mail:info@paggin.it
Website:www.paggin.it

Products/Services

Paintbrush making equipment.
Mixing machines for bristle filaments and fibres.
Robotic equipment for automation.

Key Personnel

Stefano Paggin – Owner
Mauro Bettiol – Engineering
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



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

ERGONLINE

Ergon Line S.r.l.

Via dei Pioppi, 2
46019 Viadana (MN)
Italy

Tel: ++39 0375 780796

Fax: ++39 0375 780686

e-mail: web@ergonlineroils.it

Web: www.ergonlineroils.it

Products/Services

Professional paint rollers and technical brushes

Key Personnel

Michael Trentini – Business Manager
email: michael.trentini@ergonlineroils.it



VIP S.n.c. di Civiero Giuseppe

Via Ronchi, 15

I - 30037 SCORZÉ (VE)

Tel: ++(39) 041 447213

Fax: ++(39) 041 5849056

e-mail: info@pennelligiaguaro.it

Web: www.pennelligiaguaro.it

Products/Services

Paint Brushes, Paint Rollers. Decorators' Tools, Shaving Brushes, Cosmetic Brushes, 100% Pure Bristle Brushes, Single Wire Continuously Roller, Original Badger Hair, Original Tibetan Goat Hair.



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 21-38622280

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.

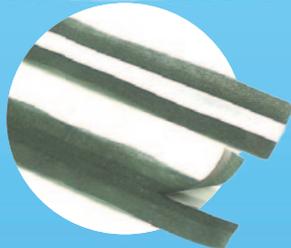
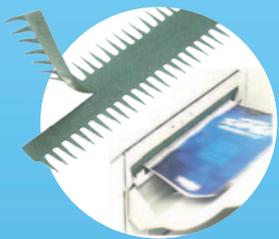
From FDA-compliant colorful filaments for oral care applications, to long synthetic tapered bristles for paintbrushes and soft "natural-feel" filaments for cosmetics, we provide a broad range of product development and manufacturing solutions for your individual product requirements

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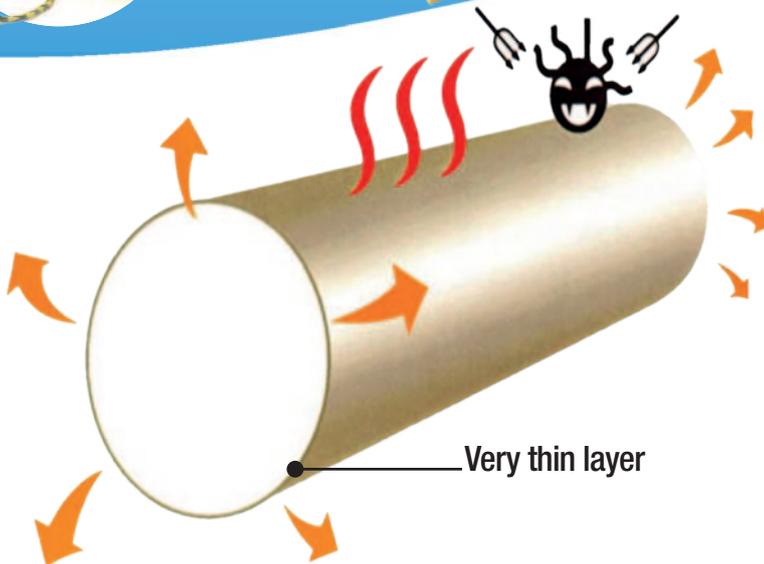
SANMO Nihon Sanmo Dyeing Co., Ltd.



Materials



Use Application



Multiple Functions of Thunderon®

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Super Corona Discharge
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& Odor Eliminating Effect
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www.poglianisrl.com – thunderon@poglianisrl.com

Brushwork

Worldwide Directory of Brushmakers and Suppliers

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*5, Dentex*5

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, ect., 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 Frenst: ABMA Executive Director

EUROPEAN BRUSH FEDERATION-FEIBP

P.O. Box 90154, 5000 LG Tilburg

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

Never too Soon



www.abma.org

It's a tough decision...
take your time.

They Offer:

Cheaper Price - *sometimes.*



We Offer:

Quality

Mill-Rose brushes set the standard for quality and are trusted by more professionals. From surgeons using our medical brushes to machinists using industrial brushes, Mill-Rose brushes perform long after other brushes fail.

Experience

We've been making brushes since 1919. Millions of them. That's over a century of brush manufacturing experience!

Selection

Mill-Rose makes brushes in every size, shape and material imaginable. From miniature brushes as small as 0.014" in diameter to 48" diameter brushes for industrial applications.

Custom Brushes

If we don't have a stock brush for you, we'll design your brush and make it from any material the job calls for.

Competitive Prices

Mill-Rose prices typically meet or beat cheaper-quality brushes, but our mission is to always deliver the best-quality brushes. Period.

100TH MILL-ROSE
Anniversary | A Century
of Brushmaking Excellence