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CIBRUSH Report and Annual FEIBP Congress Review Issue 265

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# Materials are at the heart of every Brush

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

Airstream Communications Ltd.  
Registered Office  
49 Station Road,  
Polegate,  
East Sussex,  
BN26 6EA,  
England

Editorial and advertising  
enquiries to:  
Editor  
Brian Hall

brianhallx@btinternet.com  
+1 250 826 0495

Editor  
Brian Hall

brianhallx@btinternet.com

North American Office  
46455 Uplands Road,  
Chilliwack, B.C.  
V2R 4W1  
Canada  
Phone: +1 250 826 0495  
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Design and Artwork by  
Airstream Communications Ltd.

Printing by Gemini Press

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AIRSTREAM COMMUNICATIONS

This edition of Brushwork Magazine is our Filling Materials Special, dedicated to exploring the exciting and innovative world of brush filling materials. This special edition delves into various aspects of filling materials, including natural fibres, synthetic alternatives and emerging sustainable options. We explore the latest developments, industry trends, and expert insights in the realm of brush filling materials.

## Unveiling Natural Fibres:

The brush making started with natural fibres. These materials are still of vital importance. We examine the characteristics, sourcing methods, and processing techniques that contribute to the versatility and performance of natural brushes. We share insights on the importance of ethical sourcing, the benefits of traditional fibres like animal hairs and bristles, and the unique qualities they offer in terms of precision and product application.

## Synthetic Fibres: Redefining Possibilities:

Synthetic fibres have revolutionized the brush industry in recent years. Advancements in synthetic materials, including nylon, polyester and PBT continue. The versatility, durability, and innovative properties of these fibres that have made them popular choices for artists, makeup

enthusiasts, and industrial applications alike. These synthetic fibres emulate their natural counterparts while offering additional benefits, such as resistance to harsh chemicals and improved precision.

## Sustainable Solutions: Pioneering Environmental Responsibility:

There is a growing emphasis on sustainability within the brush industry. We showcase manufacturers and innovators who are spearheading the development of eco-friendly materials for brush filling. From plant-based fibres and recycled plastics to biodegradable options, we uncover the exciting progress made in creating brushes that minimize environmental impact.

## Conclusion:

Brushwork Magazine's Filling Materials Special is a comprehensive and insightful resource for anyone interested in the exciting developments within the brush industry. This special edition provides a comprehensive overview of natural fibres, synthetic alternatives, sustainable solutions, and emerging technologies in brush filling materials. Join us as we explore the world of brush filling and discover the innovative materials that are shaping the future of brushes across industries.

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# The excitement kicks off again in 2024



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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# FEIBP Market Report: Vegetable Fibres

## Presented by Dr. Urte Rietdorf of Friedrich Platt GmbH

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  - We are specialized in tipping, flagging & mixing of broom and brush filaments for different uses like paintbrushes, brooms, medical uses, food industry, industrial & technical brushes,
- Natural fibres like Arenga, Coconut Fibre, Tampico
- Synthetic fibres like different kinds of Nylon, PPC, PVC...
- animal hairs like horse tail hair, pig bristles and cattle tail hair ...
  - tipped, flagged, mixed or pure
  - and also epoxy resin
- For mattresses, sofas or chairs our foam plastics branch form cuts for furniture, automobiles, medical products or technical uses

### Vegetable Fibres

#### • Tampico

**Prices:** Prices continue rising and for the near future a change is not to be expected.

Reasons: continuous increases on

- energy
- ground transportation costs
- production costs
- the ongoing re-evaluation of the Peso versus the US Dollar.

On most of these factors, the producers do not have an influence.

**Quality:** The drought has still impacts on the Tampico harvest region and on the fibres' quality. In spite of all, serious producers are committed to deliver the best possible quality.

**Availability:** The drought's impacts combined with a lack of harvest workforce has affected the fibre's availability and has driven up the price. Presumably, this situation will remain the same in the coming years.

#### • Bahia Piassava

**Prices:** The present price situation is very uncertain. The existence of many small companies is threatened. The suppliers do their best to maintain the present price until end of this year, but price raises can happen if there is any unpredicted event.



**Quality:** The fibre's quality varies in each region and depends strongly on the fabricator. There is required good experience to classify the fibre's quality.

**Availability:** For the future of the fibres, the problem is not a lack in raw fibre, but rather a very high national demand. The domestic market currently absorbs a big part of the fibre. Moreover, the younger generation is no longer interested in doing the collecting labour.

#### • Sherbro

**Prices:** The prices continue rising because of the impacts of the Russian-Ukraine war and increasing gas and fuel prices.

**Quality:** Remains constant.

**Availability:** The production is on a very low level as there is hardly any demand and orders.

#### • Palmyra

**Prices:** The prices continue rising because of the impacts of the Russian-Ukraine war and increasing gas and fuel prices.

**Quality:** Remains constant.

**Availability:** The production is on a very low level as there are hardly demands and orders.

**Prices:** The prices continue rising because of the impacts of the Russian-Ukraine war and increasing gas and fuel prices.

**Quality:** Remains constant.

**Availability:** The production is on a very low level as there are hardly demands and orders.

#### • Cocos

**Prices:** The following factors affect the price:

- a) Global demand
- b) Weather conditions in the cultivation country
- c) Annual harvest yields
- d) High inflation level caused by a persisting economic crisis after the Covid-19 Pandemic

Regarding the weather and harvest levels, there are not expected great variations. In 2022, the global demand for Coconut Fibre had dropped, and for the next year, a slight increase in demand is expected because of a slight reduction of freight costs.

The Sri Lankan inflation rate has been very high in 2023 due to the prevailing economic prices. Regarding the global demand and the inflation level there might be a slight increase in the coir fibre prices towards the end of 2023.

#### • Arenga

**Prices:** The raw material price is rising. Declining quality and risen raw material costs raise the production costs, and the production capacity has reduced. A persisting high inflation has caused risen domestic transport costs. Additionally, the cost compensation by to the exchange rate Rupiah/USD could fall out because the Indonesian Central Bank considers appreciating these currencies. It looks as if at the moment the exchange rate improves and possibly a cheaper selling price could be re-established. Producers do their best to keep the prices stable until end of 2023.

**Quality:** The key influencing factors on the quality are humans, raw materials and nature. The manual extraction/exploitation creates diverse qualities. This requires constantly trained staff with a specific knowledge. The assorting and classifying at the quality control must be done very accurately to ensure the quality standards. Several new areas as raw material sources have been made accessible, but the qualities there are not yet very good. The selling companies hope that the qualities over there will improve when the trees continue growing. The efforts increase to keep the quality stable

**Availability:** The basic raw material situation is good but the percentage of export quality is shrinking because sorting and processing for that quality take more time



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# FEIBP Market Report 2023: China Bristle

## Presented by Reinhold Hoerz, DKSH Switzerland

### Agenda:

- China CI Brush Shenzhen “The 3rd International Brush Making Industry Exhibition”
- Market development
- Natural bristle
- China Real estate
- Outlook

My Colleague Wang Yong our sourcing manager was just visiting the CI Brush in Shenzhen and found a very high attendance of all our suppliers. The question was to find out where does the shoe pinch. Unisono they were all complaining about the reduced business in 2023 compared with last year. All were trying to find new business fields where the “grass is greener” but they failed. All other business fields are even more stagnating.

Another remark he mentioned, despite the slowish business they all feel a slight recovery.

I myself have similar feeling. Demand is slightly picking up. Paint brush business is steadily coming back.

### Supply situation:

With the reduced net sales in this field Wang Yong found that all our suppliers mentioned some doubts if and how the semidressers, the first step in the line of bristle production will continue. Some of our suppliers have even started to do the semidressing themselves inside their factories. The challenge is, as a bigger company they are under the supervisory of the environment police. Semi dressing is quite a dirty business. I would guess the farmers who usually do the first dressing step as a one-man-show do not experience this environmental police problem due to their small size. They are flying under the environmental radar.

### White Bristle

White raw material as such is plentiful availability but 80% comes from the slaughter house. The hair is greyish

white and in short length and soft quality. Price for this low quality raw hair is nearly zero plus a bit for the transportation cost. Semi-dressers /suppliers must blend and mix it with better raw hair from the mountains which is much higher in price.

### Prices

Market expectations, prices of white 64mm and 70mm will remain stable due to sufficient supply and less demand. Other sizes are rather firming due to increasing demand.

Smartphone polishing demand is growing and the longer sizes of 76mm and up the availability is shrinking.

Meat production has become even more industrialized. You may remember my picture of a high-rise pigsty that I showed you at the last association meeting in Germany.

26 floors

25,000 pigs per floor

1.2 million pigs slaughtered per year

### Black Bristle

For the black Wang Yong did not get such detailed raw material info. Seems the black market is too small. Only info he got about black was that sizes of black 44mm and 51mm and 57mm are firming. Prices of black 64/70/76/83 are still stable.

If we look at the demand this is understandable. Where is the worldwide demand in black, it is focused mainly on black 44mm and 51 and 57mm for the industrial rotating polishing brushes and for the black 102mm and up which are used in the high end top quality hair brushes.

China was said is stepping into deflation. It is different from most of western countries who are now fighting against the inflation. The phenomenon is price weakening instead of increasing, stores are offering rebates.

Second problem in China is currently the real estate bubble.



Our main focus is therefore not only in the checking of the quality before shipment but as well the financial stability of the producer. At the last real estate crisis in the years of 2005-2011 I have lost 3 suppliers. All 3 were speculating in the property business and failed. One bankrupted, second one the owner simply disappeared out of the country and third one shrunk to around 10% of his former importance.

I regard this as my main challenge not to lose any of our prepayments.

My conclusion of the market, I would rather cover my demand for the near future and buy now. The chance of falling prices in natural Bristle is very minim. Also freight rates have bottomed out. Most shippers are taking out their vessels and put them on a shipyard to reduce price pressure and reduce capacity. I rather feel a risk of increasing prices or even worse of missing raw material in some items.



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# FEIBP Market Report 2023: Synthetics

## Based on a presentation by Andrew McIlroy, Perlon

Over the past few years there have been many more external factors affecting the market than in comparable recent times. Starting with crude oil prices, two years ago the typical price was at \$70 a barrel. It's now at \$90 a barrel. Although this is not necessarily the key driver of plastics polymer prices, it certainly has an influence. Let's not forget, that in 2020 the oil price was zero for a period of time or indeed negative.

The price has stabilized back up close to where it was and it's probably going to stay on about the level of \$90 a barrel going forward.

Gas prices are less of a direct issue for the production of plastic raw materials however, the gas price is a big driver of the electricity price and there has been a considerable reduction over the past 12 months. This is really the main driver for companies who extrude filament, and those who injection mold plastics. A year ago the spot market price was about 600 euros per megawatt-hour having risen from 40 euros per megawatt hour in 2020. This was an enormous increase. Since then, prices have dropped considerably. Today the price is about 90 to 100 euros per megawatt hour. This is still three to four times higher than it was in the past. Even though it is unlikely to fall back to the electricity prices we had in the past thankfully it is significant decrease from a year ago.

On to raw material pricing, I put this quote on there, the dictionary definition of supply and demand.

**"This is the idea that the price of goods and services depends on how much of something is being sold and how many people want to buy it"**

Recalling the past two years and 2021 in particular, the percentage increase in the prices of every polymer types had increased significantly.

Polymer prices doubled between the beginning of 2021 and September-October of 2022. Since then, there has been a constant downward spiral and the reason for that is that although manufacturing costs and capacity are still the same, demand has fallen, hence the reason why the prices have fallen so much.

We have recently started to see the first increases in contract pricing. PBT and PET-PBT were probably the materials which caused the biggest headaches. From the beginning of this year a sharp price reduction has been observed. Hence, we're almost back to where we were before the price-explosion at the beginning of 2021.

Nylon 66, is a dying material in terms of making brushes. It doesn't really offer too many technical advantages over nylon 6, there is a risk of a price



difference between the two hence a lot of companies have switched over to Nylon 6 because there isn't the justification to pay a higher price for 66, even if you can still get it.

Regarding Nylon 610 and 612. These are the highest end polymers, both in terms of quality and price. They were less affected by the huge price variations over the past two or three years, but they are pretty scarce in terms of easy availability. This is something that we have to be wary of. There are not that many manufacturers of these two polymers. They typically are very, very close

in terms of their properties and hence you buy them from the same supplier.

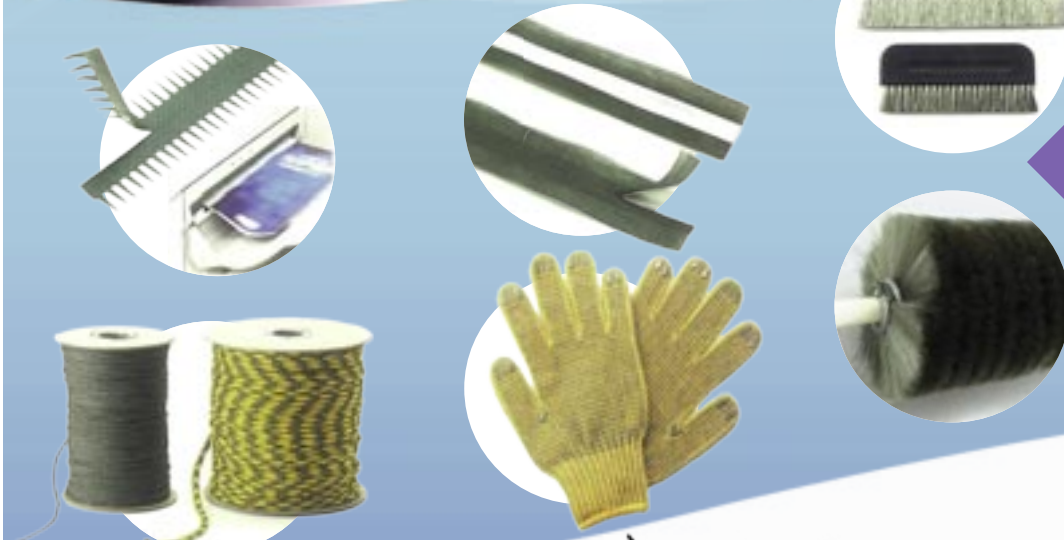
I think we all hope for a better pricing stability going forward. The past two or three years have been a nightmare for everybody if you're dealing with any material for plastics in particular. Hopefully things will stabilise over the next few years.

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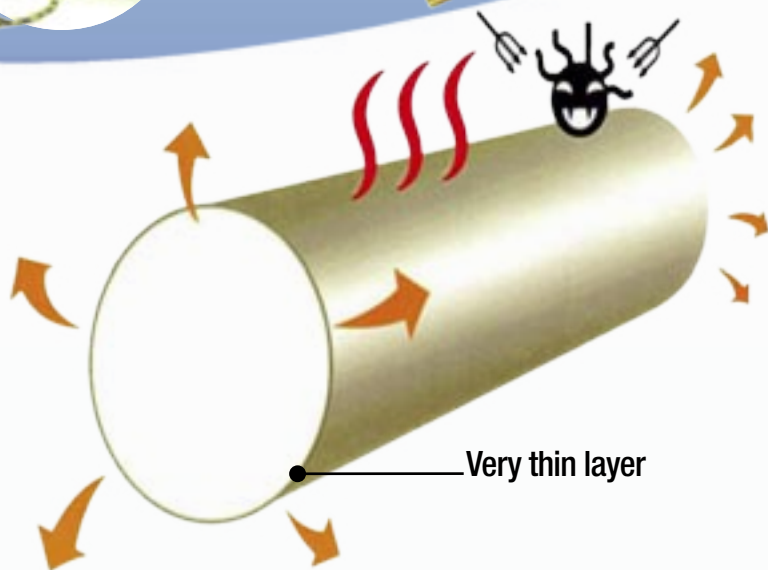
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# FEIBP Market Report 2023: Fine Hair

## Presented by Mark Samuel



Last year I reported on a small fall in prices for weasel and kolinsky hair after 3 years of enormous increases. It was always unrealistic to expect these high prices to last as not many poor artists would want to splash out \$300 for an artist brush! So alternative materials have replaced sable hair in most high end artist brushes, although a demand still remains for use in some specialist brushes, such as dental ceramic brushes, especially where alternative synthetics don't possess some essential characteristics of sable, such as dental ceramic brushes.

As expected, last years small fall has turned into a much larger one this year, although the falling prices have been far less dramatic than the increases. I would say that prices now are similar to 2021 levels. So even with a 40% fall we're seeing historically high price levels.

Will prices fall further? Demand remains weak but haven't declined further and with

these falls may pick up again. The main factor holding up further falls is the supply side from China (and Russia). Not only because of nearly zero demand for skins from the fur industry but also because of authorities clamping down on unregulated wild animal business meaning there are very few sources for raw material now.

Prices for squirrel hair remains stable even though demand is weakening. There is sufficient supply even with difficulties of getting material out of Russia (main source). We can get material imported without much difficulty as no sanctions on hair (there are on synthetics) but the payment system is blocked. So most of the squirrel is now of Chinese origin (or Russian via China).

Badger hair prices have fallen but other fine hairs such as goat, pony, ox are firm as supply becoming limited as factories stop producing.

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# CIBRUSH 2023 Shenzhen

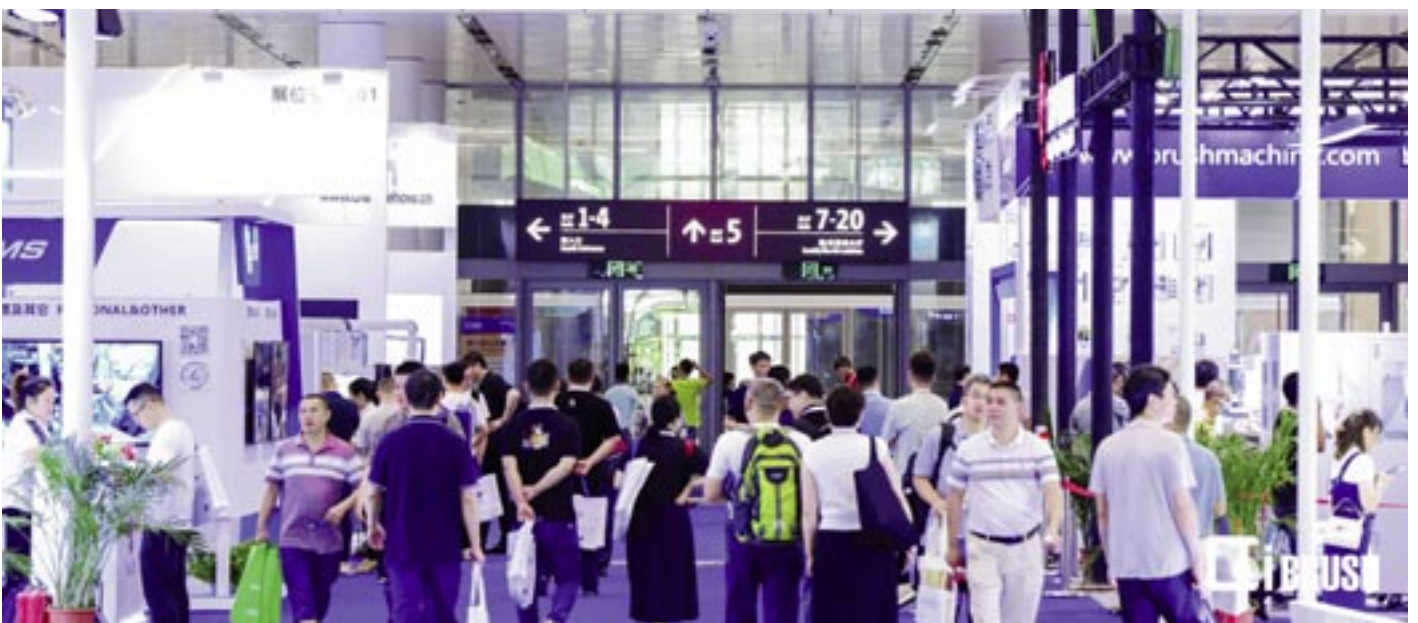
**Unleashing the Power of Innovation and Reliable Supplies**



CIBRUSH 2023 was an extraordinary event that brought together industry leaders, innovators, and technology enthusiasts from around the world. Held in Shenzhen for 2023 which is the “Silicon Valley of China”, this show provided a platform for showcasing the latest advancements and breakthroughs in the fields of brush making equipment and advanced filling materials. With a clear focus on the future and the immense potential it holds, CIBRUSH 2023 Shenzhen championed innovation, cooperation, and the power of technology to shape advance for the brush making

industry, empowering companies to stay ahead in an increasingly competitive global market.

Events like CIBRUSH are crucial for the industry as they provide a platform for companies to showcase their latest products, exchange knowledge, and foster collaboration. By emphasizing the power of technology and promoting cooperation, CIBRUSH 2023 not only helped companies stay ahead in a competitive global market but also served as a catalyst for driving economic growth and social progress.







CIBRUSH 2023 exemplified the power of technology, innovation, collaboration, and reliable supplies. By showcasing cutting-edge solutions, promoting collaboration and networking, fostering innovation and skills development, and enabling digital transformation, this show undoubtedly left a lasting impact on the industry. Ultimately, CIBRUSH 2023 served as a catalyst for driving economic growth, social progress, and a brighter future.

In an era of increasing digital transformation, events like CIBRUSH allow industry professionals to explore new opportunities, network with like-minded individuals, and gain valuable insights into the future of the brush making industry. It's wonderful to see how this event left a lasting impact and empowered companies to embrace innovation and reliable supplies for a brighter future.

The CIBRUSH Brush Industry Show has become a remarkable platform for showcasing groundbreaking innovations, design trends, and the latest technology in the brush industry. This annual event, now in its 3rd edition, brings together industry professionals, manufacturers, suppliers from around the world. With its ability to foster co-operation,

exchange knowledge, and stimulate business growth, the CIBRUSH Brush Industry Show has undoubtedly carved its place as a pivotal event in the global brush industry.

**A Platform for Innovation:**

The CIBRUSH Brush Industry Show set the stage for innovation, allowing participants to experience firsthand the transformation and progress occurring within the sector. Exhibitors at the show presented an impressive range of products, from traditional brushes to cutting-edge technological advancements. The event has proven instrumental in facilitating the exchange of ideas, enabling manufacturers and suppliers to network, collaborate, and explore new possibilities together.

**Exploring Sustainable Materials and Manufacturing**

In recent years, the brush industry has faced increasing pressure to adopt sustainable practices. The CIBRUSH Brush Industry Show addressed these concerns head-on by showcasing exhibitors who prioritize environmentally friendly materials, production processes, and sustainable packaging.





Attendees had the opportunity to discover innovative green initiatives and engage in conversations surrounding ecological responsibility in the brush industry.

**Technological Advancements:**

The brush industry is no stranger to technological advancements, and the CIBRUSH Brush Industry Show serves as a platform for exploring the forefront of these innovations. From cutting-edge machinery that streamlines brush production to digital solutions that enhance design and customization capabilities, attendees can witness the marriage of traditional craftsmanship and modern technology. This convergence opens new possibilities for the industry, ensuring its continued relevance and competitiveness in the global marketplace.

**Global Networking and Co-operation**

The CIBRUSH Brush Industry Show has gained recognition as an essential event for fostering global networking and collaborations. Attendees, including manufacturers, suppliers, and distributors,



established connections, discussed potential partnerships, and explored new markets. The exhibition provided an ideal setting for participants to share their expertise, learn from industry leaders, and collectively tackle challenges faced by the brush industry.

**Conclusion:**

The CIBRUSH Brush Industry Show has firmly established itself as a premier event for the brush industry, attracting industry professionals from around the globe. With its emphasis on innovation, design, sustainability, and technological advancements, the exhibition offers a valuable platform for manufacturers, suppliers, and enthusiasts to connect, collaborate, and shape the future of the brush industry. As the event continues to evolve year after year, it will undoubtedly play an integral role in driving progress and empowering the brush industry with the tools needed to thrive in an ever-changing world.



# Brushwork

## Features List 2023 to 2024

**Editorial & Advertising Contributions Always Welcome**

Publication date	Copy date	Publication date	Copy date
November/December 2023 Issue 266 Toothbrush Special Machinery Special	15 November 2023	July/August 2024 Issue 270 Industrial & Technical Brushes Artist & Cosmetic Brushes <b>To be Distributed at FEIBP Congress</b>	15 July 2024
January/February 2024 Issue 267 <b>World Brush Catalogue (Brush Trade Directory by name, country and category )</b>	12 December 2023	September/ October 2024 Issue 271 <b>FEIBP Congress Review</b> 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 <b>ABMA and World Brush Expo Previews To be Distributed at ABMA Congress and World Brush Expo</b>	25 January 2024	November/December 2024 Issue 272 <b>Machinery Special</b>	15 October 2024
May/June 2024 Issue 269 Toothbrush Special 2024 Houseware & Hardware Brooms & Brushes Personal & Hygiene Brushes Statistics Part 2 (Exports) <b>ABMA and World Brush Expo Review</b>	25th April 2024		

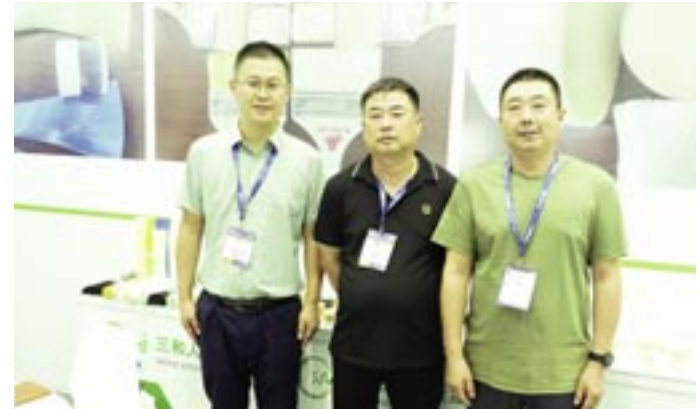
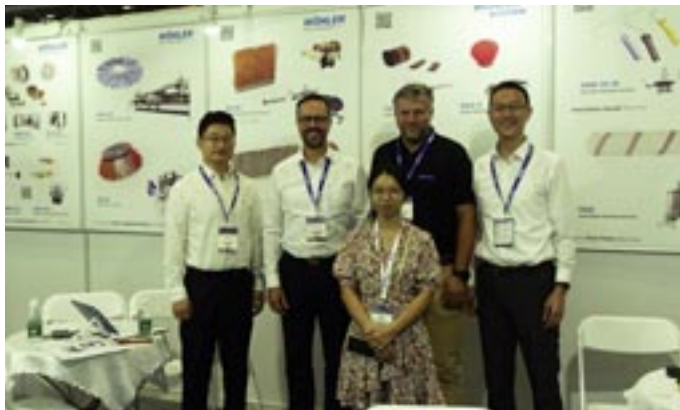
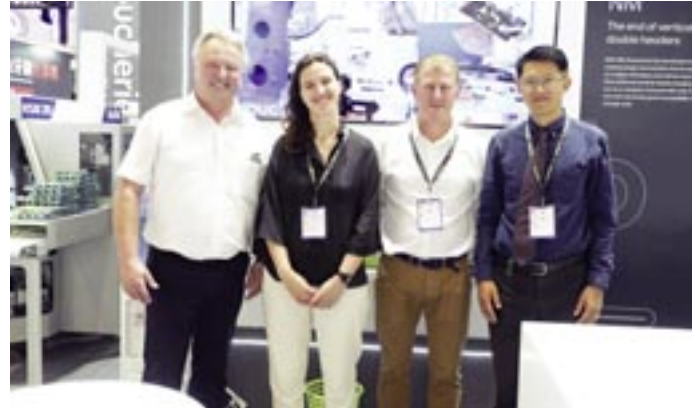


**All editions will carry the latest news on new products, company news  
and show reviews (subject to alteration at the editor's discretion).**

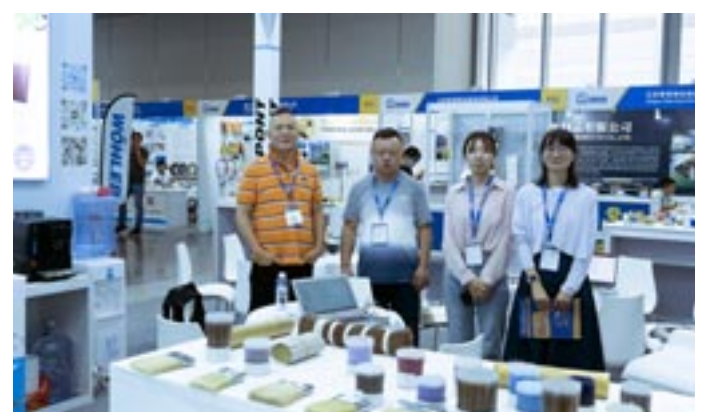
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# CIBRUSH 2023



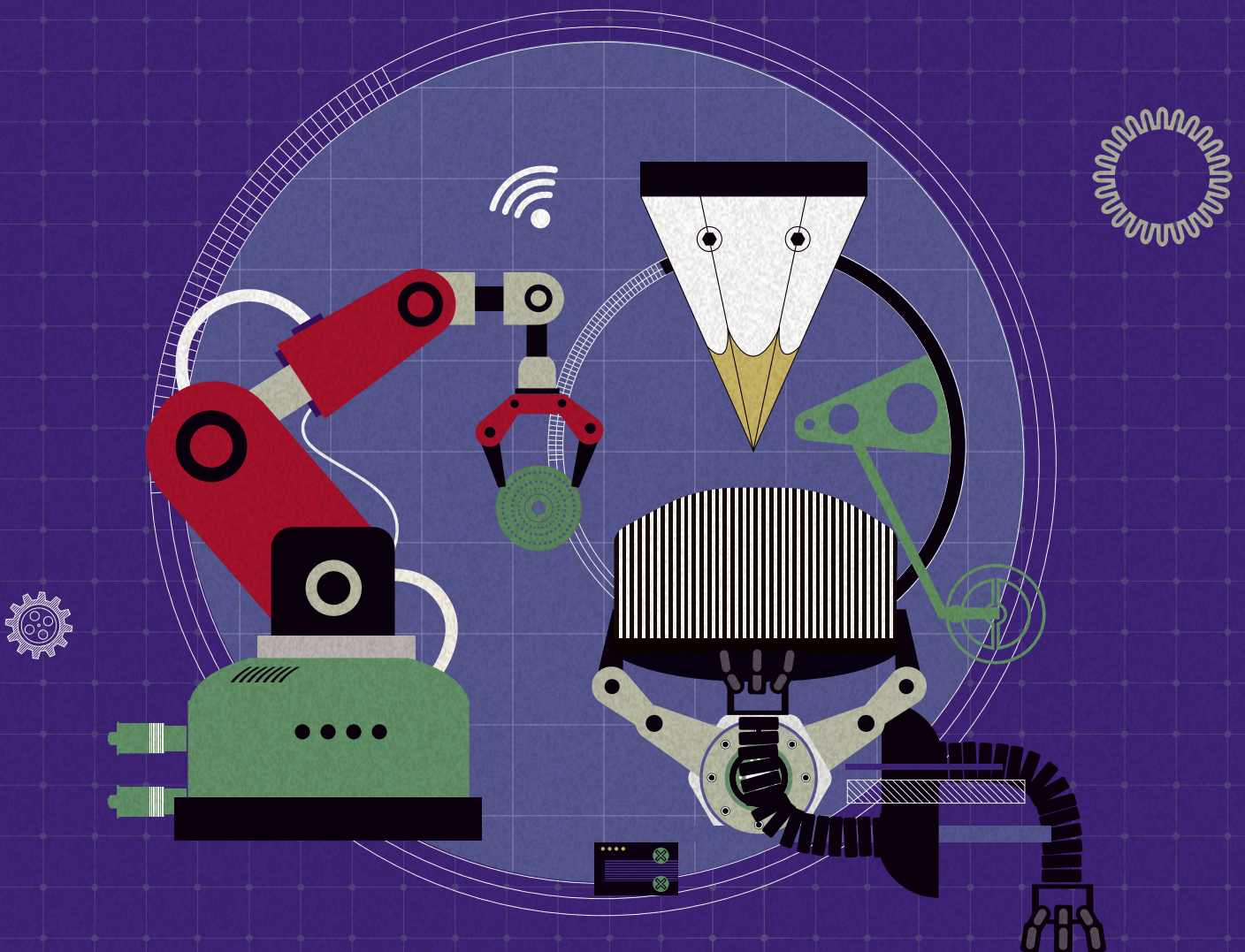
# Exhibitors at CIBRUSH 2023





# 2025 再相见 中国·上海

See you again in 2025!  
Shanghai, China





# FASS PEOPLE

Brooms, brushes, technology and automation, handles, plastic components... our life, our "Brushwork life" is based on these keywords, and every operator, every company, is continuously focused on the research of the best way possible to reduce costs, to increase profits and in the mean time to develop something new, something different compared with the rest of the world.

But how is it possible? What is the essential asset of a company? Usually what is essential is invisible to the eyes. We are talking about people, about human capital: you can call them operators, employees, drilling and filling specialists, white collar or blue collar, but it doesn't make difference.

The most important thing, the real added value, is that: "a company doesn't exist without people".

Following this idea FASS management decided to give an international space to the human side of this business, explaining

how the passion of every operator is the secret of a 50 years old family company.

Diego, Guiseppe, Orario and Samantha are the FASS "heroes" for this issue: they are some of the most expert and responsible employees, and each of them have a special story to share with Brushwork.

## **Diego D'onofrio: the art of warehouse.**



**Diego D'onofrio**

Diego has been in FASS only since 2021, but it's as if he's always been there. He controls the organization of the warehouse and the quality of the all materials that arrive here. The control of incoming goods all depend's on Diego's attentive gaze.

FASS invested in Diego and Diego invested in FASS, and we're very proud of him.

## **Orazio Ambruoso: the youngest bucket maker inside FASS.**

Orazio, same name as the famous Latin poet, is 22 years old and he has worked in FASS since 2021, when during the COVID-19 emergency he decide to start his career in manufacture industry. He's specialized in the injection moulding department, and alone is able to or capable of producong more than 500.000 bucket per year.

Orazio joined with great effort the quality training program that FASS launched for all the new employees.





**Orazio Ambruoso**

**Giuseppe Viscusi: part of Fass since 1999.**

Giuseppe is one of the people who has worked here in Fass the longest, almost 25 years in our family. He works with painted metal handles and probably is one of the few people with a lot of experience in this part of the factory.



**Giuseppe Viscusi**

Thanks to his professionalism and his experience, metal handles are really in "safe hands".



**Samantha Pellegrini**

**Samantha Pellegrini:**

Often when we talk about industries we refer to machines, but an important part in Fass production is the assembly of finish product and this is where people like Samantha are crucial.

A careful look, attention of quality and product knowledge are the order of the day for people like Samantha who represent one of Fass' true added values.



# WE ARE SOCIAL



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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 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

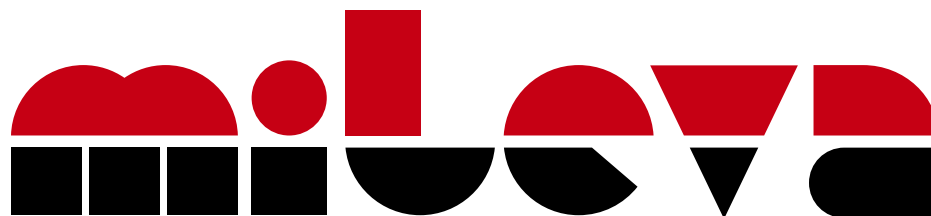
The most important component of a toothbrush lies in the bristle. With outstanding industry expertise accumulated over the years, coupled with proven technologies, Celanese is dedicated to the oral care brush industry with our nylon solutions under the brand names of Tynex®(nylon 612) and Herox®(nylon 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



Plastic blocks for cleaning articles



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E-mail: [info@mileva.it](mailto:info@mileva.it) - Skype: omar-mileva

[www.mileva.it](http://www.mileva.it)

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

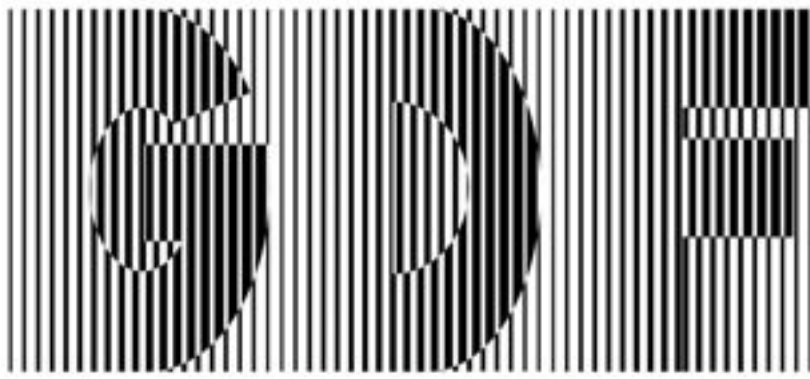
When it comes to the cosmetics industry, consumer needs are dynamic and ever-changing. There is also an increasing expectation for high performance tools as consumer cosmetic applications are more and more specialized towards professional grades. From powder to eyeliner, mascara to nail polish, as well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



**Maria & Daniel Köhler**



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**WOMA**

# Congress Report by Fons Ceelaert

63rd FEIBP congress Belfast Friday 22 September 2023



Attendees at the FEIBP Gala Dinner held at the Magnificent Titanic Museum

## General overview

As the Quarterly FEIBP market index indicates volumes remain stable but the general observations are less satisfactory than a year ago.

High inflation and a looming recession in EU member states are elements of concern. Raw materials in good supply and with decreasing price level and lower freight costs are positive aspects. The overall positive spin off caused by COVID 19 fades away and in fact we are more or less back to the situation before COVID 19.

It remains of the essence to supply our markets with high quality products and the awareness of the need to focus on sustainability to remain competitive worldwide.

The SME family owned manufacturing industry is able to tackle these new challenges and become more attractive for the young generation to make a career in our companies.

## The FEIBP year at a glance

Family business and sustainability were items dealt with by excellent speakers Philipp Haindl and Andrew Griffiths at last years' congress in Prague, Central Europe.

Due to COVID 19 after three years again a real congress and the feedback was very positive.

The industry wants to meet in person to discuss businesses and build upon their European brushware network. The congress is still a must and the FEIBP keeps on putting efforts into the congress program and format.

Throughout the year Working Group meetings Technical Brushes, PHB and Paint brushes were held with interesting items.

The website is kept up to date and the quarterly index is being continued.

A big effort has been the creation of IBIF, the International Brush Industry Foundation. A joint venture FEIBP /ABMA to create an alternative for Interbrush Freiburg.

It took time to sort out legal matters and the selection process of a new exhibition venue. We are most happy to have found a new partner in Bologna Fiere, information on the World Brush Expo was shared at this congress. The event takes place from 22 – 24 May 2024 and the FEIBP will be visible there.

## FEIBP federation matters

Membership status

The membership status is rather stable but the ambition is to grow.

When the French FFP dissolved end of 2022 French companies in the field of PHB continued as individual members. The good news is that there will be a new, smaller French Brushware manufacturers federation, to become FEIBP association member from 2024 on. Some well-known French FEIBP friends are the drivers for this great initiative.

## Philip Coward steps down as chairman of PHB after 25 years

Founding father of the PHB Charter and a fantastic chairman for a very long period. Gratitude to Philip, whose achievements for our federation are hard to overstate. Philip is not able to join for this congress and hands over the chairmanship to Simon Lorillière at the meeting of the WG PHB. Many thanks Philip and we look forward to meeting at future FEIBP events.

## Pierre Simler bids farewell to the brush industry

For many years board member and former President, now retired.

Pierre is unable to attend this congress but gives his best





# Why choose TMI for brush wire? Our customers know why! Wire for high performances

## Brush Wire

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**Andrew McIlroy with guest speaker Dorcas Crawford who spoke on The Better Way - 'The Isolated Leader'**



**Guest Speaker Emma Trevor (Right) of Valpak who spoke about "EU Packaging Regulations"**

regards and stressed that he enjoyed his FEIBP years.

**FEIBP officers 2023 – 2025**

The Presidency of Andrew McIlroy ends today, after having served for three years with putting an enormous amount of time, quality and energy into the FEIBP. A great

As proposed the following FEIBP officers will be elected for 2023 – 2025:

- Alessandro Acquaderni (Italy), President
- Simon Lorillière (France), vice – President
- Andrew McIlroy (Germany), past – President
- Peter Brunner (Switzerland), Treasurer

**63rd FEIBP congress, 20 – 22 September 2023 / Belfast, Northern Ireland**

Another excellent congress hosted by Denroy Ltd. for the first time in Northern Ireland and what a treat is Belfast.

We appreciate the hospitality and the great job by John Rainey

and Christopher Boomer. Special thanks to Claire McComb and Emma Hobson of Denroy Ltd, without their support and hard work it would have been impossible to have such a congress.

On top of that appreciation again for Mrs Elena Berto of SIT who did the financial administration of the congress and FEIBP secretary Marion van der Laan for patience and sharpness.

**64th FEIBP congress, 9 – 11 October 2024 / Ibiza (Spain)**

Under the helm of the new FEIBP President Alessandro Acquaderni FEIBP travels to another island, sunny Ibiza. A great hotel has been arranged and Alessandro gave a presentation at the beginning of the congress.

**Closing remarks**

I offer my sincere gratitude to Andrew for three years of very pleasant and constructive co-operation for the FEIBP.

With Alessandro as the second Acquaderni President we are set to go for two great FEIBP years.



**Alessandro Acquaderni, (President) and Simon Lorillière, (Vice – President) already hard at work generating commitments for the 64th FEIBP congress, 9 – 11 October 2024 / Ibiza (Spain)**

# FEIBP Brush Forum



Andrew McIlroy and Raimon Nosas of Hahl Filaments GmbH



The Wöhler team from Germany and Czech Republic



Maria Pogliani and Carlo Antonio Pogliani of Pogliani SRL



Andreas Reimann and Thomas Halbrucker of ROTH Composite Machinery



Michael Stoddard, left with the Boucherie team



The Borghi team and guest John Rainey (centre)



Rothstein representatives



Sali Balkan, and Timo Steinbrunner of Zahoransky AG

Check out [www.brushworkmagazine.com](http://www.brushworkmagazine.com)

# FEIBP Gala Dinner



# at Titanic Museum



# Images from the FEIBP North Coast Tour including Giant's Causeway



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**Is your message hidden in plain sight?**  
**Is your message hidden in plain sight?**

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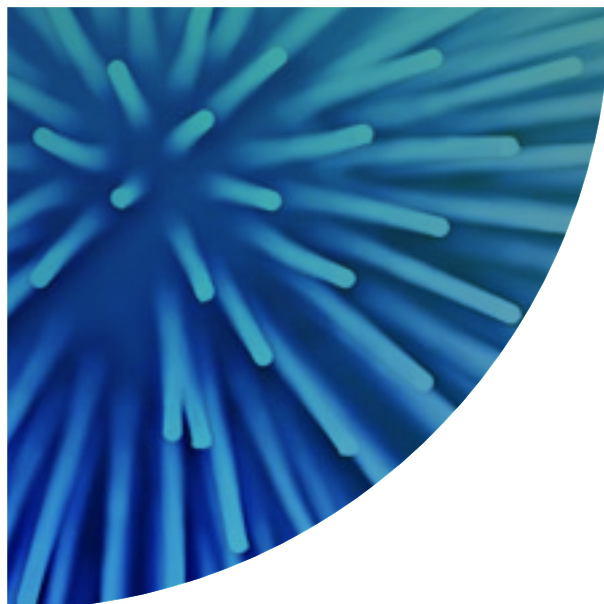
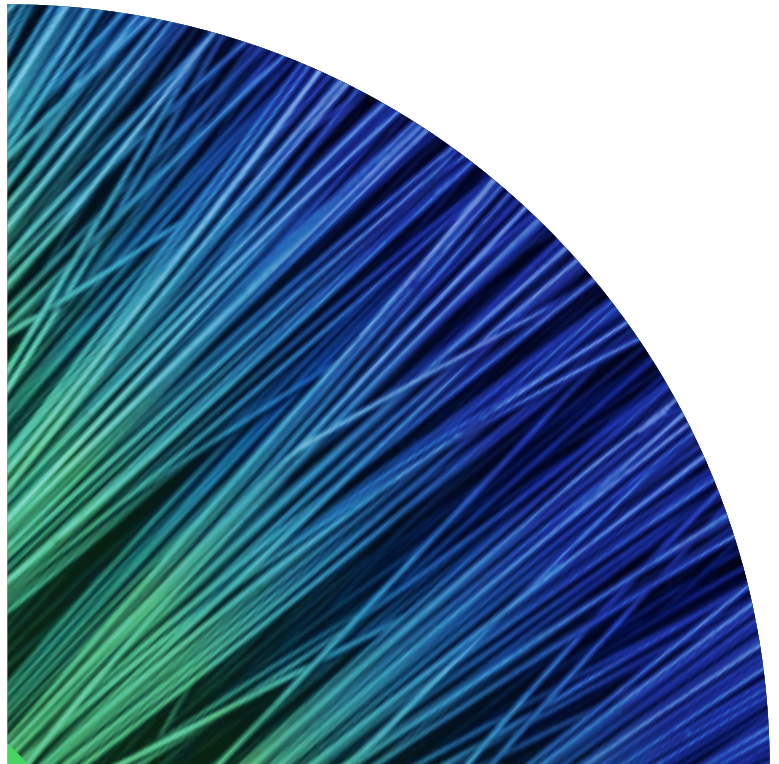
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Fax: ++39 0438 501822  
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Web: www.collanticoncorde.it

#### 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

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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.

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

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e-mail: flock@flockdev.co.uk

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#### Products/Services

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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

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#### Key Personnel

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

### HAIR BRUSHES



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Apsley

Hemel Hempstead

Herts, HP3 9SA

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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



#### Borghini SPA

Via C. Colombo 12

Loc. Cavazzona

I-41013 Castelfranco Emilia (Mo)

Italy

Tel: ++39 059 9533911

Fax: ++39 059 9533999

e-mail: info@borghini.it

Website: www.borghini.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  
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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

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Hessen Germany  
Tel: ++49 6451 71918-0

e-mail: info@roth-composite-machinery.com  
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### Products/Services

Manufacturer of production machines for the brush and broom industry.  
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### 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

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### Products/Services

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### Key Personnel

Michael Trentini - Business Manager  
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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.

# 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



#### Provedora 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

Provedora 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 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

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