INTRODUCTION

Long and short pile artificial grass is produced on different types of tufting machines. The pile height can typically range from 5 to 70 millimetre. Depending on the pile height the artificial grass is used for different applications, ranging from golf greens to football fields.

During the tufting process the yarns are pulled from the creel through plastic tubes by feeding rollers and, via guide eyelets, run through the eyes of the needles. The needles punch the yarn through the backing fabric, which is pulled gently through the tufting area. Then knives cut the loop at the right height to create the tufts, and the roll moves on to set the correct number of tufts per linear meter.

The typical speed of a tufting machine with a cut pile can be between 300 and 1000 RPM.

YARN BREAK OR MISSING YARNS ON TUFTING MACHINES

Due to defects in the yarn itself, excessive yarn tension, friction, problem in the creel, bent needles, yarn joints, bigger splices that do not pass through the backing fabric, dried yarn or other conditions, the yarn frequently breaks or other problems occur during the tufting process.

When a yarn fault occurs the machine must be stopped to repair the fault or else the product must be scrapped if the yarn break has gone unnoticed and the tufting is further processed.

► ... to Page 6
READY TO SUPPORT YOU

■ TEXTILE PRINTING

COLARIS Digital Printing Systems can print on almost any fiber-based material.

Through certified ink manufacturers reactive, low and high energy disperse, direct sublimation, acid, VAT Indanthrene and cationic inks are available. Common end-products are home textile incl. bedding, furnishing, window fashion, terry towel, velour substrates but also knit fabrics in the fashion industry.

The wide range of products such as contract, automotive, promotion, residential or function carpets etc. requires matching of specific fastness properties for each individual product. Accordingly, different inks, print and finishing processes are required.

COLARIS and CHROMOJET technology cover the complete range of textile-based floor coverings incl. wall to wall carpets, rugs, mats and tiles, no matter whether they are produced from PA, PES, CDPE, PAN, CO, VIS, Sorona.

Single pass printing at highest efficiency onto a big variety of different substrates.

Full range of inks such as acid, sublimation, high energy disperse, automotive grade disperse, pigment and reactive inks is available through various certified suppliers.

COLARIS-NF can be integrated into an existing dyeing range or laid out as a fully integrated production line including inline pre-treatment, post treatment, washing and finishing.

■ FLOOR COVERINGS

■ NARROW FABRICS

FUNCTIONALITY FABRICS

SPECIALITIES

CHALLENGE US

■ TECHNICAL TEXTILES

Functionality fabrics, military applications, automotive textile, sunblind fabrics, umbrellas, awnings, fabrics for flags and banners, camping and different outdoor use such as construction fabric are covered under our Technical Textile business unit.

Mentioned products can be printed either with our valve based CHROMOJET or the piezo based COLARIS or COLARS-NF technology.

Our technologies based on CHROMOJET and COLARIS product lines can also be used for special coatings, conductive printing or may also cover other products.

Electro conductive printing, thermophore coatings, security prints, 3D digital manufacturing are just a few applications that are covered.

ZIMMER AUSTRIA Digital Printing Systems is the competent partner to your success in printing and finishing of textile-based substrates.

• Developing the idea
• Building the process
• Installing and commissioning the equipment
• Implementing and transferring the process technology and Know-how
• Servicing the production line
• Designing and manufacturing the printer and line components

INNOVATION | QUALITY | SERVICE

ZIMMER MASCHINENBAU GMBH
DIGITAL PRINTING SYSTEMS

Eibergstrasse 2-8
6330 Kufstein | AUSTRIA
+43 (5372) 64893 -0
info@zimmer-austria.com
www.zimmer-austria.com
Aydah’s name has become synonymous with exclusive carpets throughout the region. She is often sought after because of her ability to accurately appraise the quality and value of a piece as well as her insight into maintaining a beautiful rug.

Let us know more details about your biography, history, and success story of the Aydah Merza gallery.

I was born in Tehran on November 2nd, 1964. My father is from Kuwait, but his roots are originally from Isfahan, and my mother is from Tehran. We lived in Kuwait, and I studied there until elementary school. Then I moved to Montreal, Canada, and studied marketing. Later, I came back to Kuwait and worked for Kuwait Airways and then for Kuwait Petroleum Corporation till my severe accident in 2006. From that day, I returned to my hobby and my love of carpets. I start my journey by reading about rugs throw internet and books, then I decide to travel to various cities in Iran, such as Tehran, Kashan, Isfahan, Qom, Tabriz, Bijar, Malayer, and Hamedan, to discover carpets from different regions.

Then, I start making my own exhibitions in Kuwait end of 2006. The first international exhibitions that I attended was at Hannover then Tehran, Istanbul and Beirut. I also have visited all the museums worldwide like Tehran Carpet Museum (Iran), Lacsma Museum in Los Angeles (USA), Victoria & Albert Museum in London (England), Museum of Islamic Art at Doha (Qatar) and Pergamon Museum Berlin (Germany), at the same time I visited Sheikh Zayed Mosque and Sultan Qaboos Mosque to see their fabulous and amazing carpets.

I still wanted to know more about rugs, and I started attending carpet exhibitions from all over the world. I went to the Hermitage museum in Saint Petersburg to see the Pazyryk carpet. I publish books yearly, containing the latest carpets I have bought except those I have sold. The last issue of my book was published in 2020. I have not issued my book in 2021 because I have not bought a lot of new carpets. However, I am not a carpet merchant who purchases the typical rugs that people need and use. Open cheques were offered to me, but I did not sell my carpets. I am a carpet lover, and I have always been interested in unique and precious carpets.

MENA Region is an important region for carpet professionals. Let us know more about your Showrooms in the region and your activities? Which kind of carpets do you collect and offer to customers?

I have built a new house to have a unique gallery according to the high standards and using professional track light. The size of my gallery is twelve by nine meters. At my gallery you can see very rare carpets, unusual unique design and masterpiece, they are highly collectible and extremely attractive, they were chosen professionally during my journeys.

There are also carpet books, which I have bought from all over the world. Most of my carpets have certificates and photos also be found in many other publications. Each carpet at my gallery has a stand to place the certificate and the related book. The gallery also includes a store having extra carpets.

I have sold some of my collections to famous people like King Abdulah Bin Abdulaziz Al saud. It was a masterpiece belong to Master Baqher Seirafian. Also Sultan Brunei and Queen Rania and I’m planning to meet Sheikha Moza Al misnad are my other important clients.

How do you predict the carpet sector globally after COVID Pandemic and vaccination?

It is evident that the whole world has got adversely affected by the coronavirus. However, fortunately, it was the opposite for me. I have sold about 15 carpets during the pandemic. I had an interview with a well-known TV Channel in my gallery that let more people know me.

After the interview, I got many calls from all over the world, such as Canada, Japan, Europe, the USA, as well as King Abdullah’s daughter.

As a Persian carpet lover, what do you think about the current situation of handmade carpets in Iran and their future?

I do not think that the Iranian handmade carpet industry pursues the proper approach because most of their designs are copied. Copying designs will remain us in the same place and not allows to offer unique carpets. Therefore, choosing novel designs and colors makes a big difference in the handmade carpets of Iran.

We should let the original classic Persian carpets come out again instead of copying the modern designs. Furthermore, Iranian rugs are expensive, which is not suitable for the current global economy. In my opinion, the price of Iranian carpets should be reduced.

Which specifications and characters make a carpet unique and special?

Having a unique design that is very rare to find, choosing the natural colors matching the design theme of the carpet, and high knot density are among the factors that make a rug unique and special.

As a Persian carpet lover, what do you think about the current situation of handmade carpets in Iran and their future?

I do not think that the Iranian handmade carpet industry pursues the proper approach because most of their designs are copied. Copying designs will remain us in the same place and not allows to offer unique carpets. Therefore, choosing novel designs and colors makes a big difference in the handmade carpets of Iran.

We should let the original classic Persian carpets come out again instead of copying the modern designs. Furthermore, Iranian rugs are expensive, which is not suitable for the current global economy. In my opinion, the price of Iranian carpets should be reduced.

Which specifications and characters make a carpet unique and special?

Having a unique design that is very rare to find, choosing the natural colors matching the design theme of the carpet, and high knot density are among the factors that make a rug unique and special.

The Persian carpets are known for their unique design, high knot density, and natural colors. They are made using high-quality wool and silk, which gives them a luxurious feel and long-lasting durability. Persian carpets are often made by skilled artisans who use traditional techniques passed down through generations. These carpets are highly collectible and are often passed down from generation to generation as heirlooms.

As a Persian carpet lover, what do you think about the current situation of handmade carpets in Iran and their future?

I do not think that the Iranian handmade carpet industry pursues the proper approach because most of their designs are copied. Copying designs will remain us in the same place and not allows to offer unique carpets. Therefore, choosing novel designs and colors makes a big difference in the handmade carpets of Iran.

We should let the original classic Persian carpets come out again instead of copying the modern designs. Furthermore, Iranian rugs are expensive, which is not suitable for the current global economy. In my opinion, the price of Iranian carpets should be reduced.
There is a significant risk that an error in the artificial grass caused by a yarn fault that is not detected will only be seen when the grass is finally installed and unwanted stripes occur. Yarn break detection by Eltex of Sweden Luckily the above mentioned yarn faults can be detected by the sensors manufactured by Eltex of Sweden, models EYE and EYE Compact/Compact II.

The Eltex EYE is a flexible system designed for yarn fault detection on grass tufting machines. The sensors usually fit between the feed rollers and the needles and are based on the well-proven piezoelectric principle. The Eltex EYE monitors each yarn position in real-time and is designed to improve quality and efficiency by reducing mending and downtime. Furthermore, the unique compact design enables it to be used on machines with gauges as dense as 1/10 inch. All of the sensors’ data is processed by a master control unit, which provides stop and warning light indications to the user-friendly operator terminal in response to any detected yarn fault.

100% of tufted yarn faults are detected. The fact that the EYE system in most cases stops the machine before a fault has occurred in the tufted grass assures that there is no fault in the finished product in more than 95% of the cases. In some cases a short fault in the tufted grass can not be avoided depending on where the yarn fault occurs and on the ramp down time of the machine.

ADVANTAGES OF EYE COMPACT

• 100% of tufted yarns break and end-outs detected • Detects when yarn falls out of the needle • Less or no mending. Some carpets are not even possible to mend, so our system is a significant advantage • More uptime and less waste of material • Allows the operator to work on several machines simultaneously • Increased efficiency • More production due to less mending time.

It’s highly recommended to take full advantage of the technologies in terms of revenues, growth, quality improvement, machine efficiency, less maintenance, less waste of material and relief to the machine operator. We are proud to say that global artificial grass producers are Eltex’s customers.

CONCLUSION

End Out detection for carpet and grass tufting
IHGF Delhi Fair to Feature More than 1,500 Exhibitors

The 52nd edition of IHGF Delhi Fair opens later this month with introductions across 12 product categories. The autumn edition of the total home furnishings event will take place Oct. 28-31 at the India Expo Centre & Mart in Delhi as an in-person trade show.

Spaced out displays will accommodate more than 1,500 exhibitors in 900 mart showrooms, according to show organizer The Export Promotion Council for Handicrafts (EPCH).

Added attractions will include theme pavilions, trend areas, craft demonstrations, ramp presentations and seminars as well as buyer lounges and refreshment zones. Visiting buyers will be offered complimentary hotel accommodation for four nights during the show.

IHGF Delhi Fair Is Sponsored by the Export Promotion Council for Handicrafts (EPCH).

Surya Releases Luxury Rug Catalog

Surya has created a 372-page glossy catalog to highlight its luxury rug collection.

Signature designs and exclusive introductions reflect the rich colors, textures and design aesthetic of each pattern. Collections such as Anadolu and Kars display Surya’s selection of updated traditional hand-knotted designs with refreshed color palettes.

Luxurious handwoven designs include the Khyber and Bremen collections that feature undyed wool in bohemian stylings. Versatile natural fiber and jute selections include the Riah and the stream-lined Evora collection which can stand alone or pair perfectly in a layered setting.

The Shag and texture section conveys a tactile experience with the plush Camille and best-selling Sadie collections.

There are also large selections in the hide and leather, solid and border, and performance categories.

“Our new luxury rugs catalog leaves no doubt of our investment in unique products that are sustainably sourced and carry the unique stamp of the people who have crafted them,” said Surya President Satya Tiwari. “Our goal is to convey the unique character and superior quality of the rugs we offer to the design community. This catalog offers a curator of the best we have to offer.”

The event's key segments will include:

- Home textiles & furnishings
- Furniture & accessories
- Gifts & decorative housewares & home utility
- Lamps & lighting
- Carpets, rugs & floor coverings
- Spa & wellness bathroom accessories
- Lawn & garden ornaments
- Fashion jewelry & accessories

IHGF Delhi Fair is sponsored by the Export Promotion Council for Handicrafts (EPCH).

IVonne Seifert The New Marketing Director in the Textile Division of Messe Frankfurt

Ivonne Seifert was appointed Director of Marketing Communication in Textiles & Textile Technologies Business Unit of Messe Frankfurt with effect from 1 October 2021.

In her new position, Ivonne Seifert (42) is in charge of marketing communication for the leading international trade fairs, Heimtextil, Techtextil, Texprocess, and the Neonyt Value fashion fairs, as well as communication activities for the international brand management of around 60 events worldwide covering the entire value chain of the textile and fashion industry.

She replaces Thimo Schwenzeleer, who is leaving Messe Frankfurt after more than eight years, to take up new professional challenges.

Her duties include the communication activities relating to the successful resumption of fairs in the textile sector and the establishment of the fashion brands of Messe Frankfurt as part of the Frankfurt Fashion Week. Additionally, she is responsible for the further expansion of smart-data-driven marketing for the textile fairs and the communication activities of the worldwide Texprocess Network.

Ivonne Seifert joined Messe Frankfurt ten years ago and, during this time, has held a variety of positions in marketing, event management and key-account management.

Background information on Messe Frankfurt

The Messe Frankfurt Group is the world’s largest trade fair, congress and event organizer with its own exhibition grounds. The Group employs approximately 2,450 people at its headquarters in Frankfurt am Main and in 29 subsidiaries around the world.

The company generated annual sales of approximately €257 million in 2020 after having recorded sales of €736 million the previous year. Even in difficult times caused by the coronavirus pandemic, we are globally net-worked with our industry sectors. We serve our customers’ business interests efficiently within the framework of our Fairs & Events, Locations and Services business fields.

IVONNE SEIFERT THE NEW MARKETING DIRECTOR IN THE TEXTILE DIVISION OF MESSE FRANKFURT
SAUDI ARABIAN CHEMICAL FIRM SABIC’S Q3 NET INCOME DIPS 27%

Saudia Basic Industries Corp (SABIC), a Saudi Arabian chemical manufacturer, has reported a 3 per cent revenue growth in Q3 over the previous quarter due to higher feedstock prices with a rise in oil prices, light supply coupled with lower production from coal-based plants and relatively low levels of inventory in China, according to the company.

Moreover, methanol prices increased steadily demand from traditional end industries, certain outages in Europe and lower production from a methanol-to-olefins (MTO) plants in China.

During the quarter, SABIC’s EBITDA slipped 18 per cent to SAR 11.2 billion (SAR 13.6 billion), while income from operations dropped 23 per cent to SAR 7.7 billion (SAR 10.0 billion).

“SABIC announced the start of commissioning activities and preparations for the initial start-up of the petrochemical joint venture project in the US gulf coast (Gulf Coast Growth Ventures). This project supports SABIC’s global growth strategy, and its aim to diversify its feedstock sources and strengthen its local customer base. This project supports SABIC’s global growth strategy, and its aim to diversify its feedstock sources and strengthen its local customer base. SABIC’s healthy financial performance during the third quarter of 2021 marked a continuation of our recovery from the impact of COVID-19, albeit at a lower level than our exceptional strong performance during the second quarter. We did, however, see a moderation in margins in the third quarter due mainly to rising feedstock costs, which offset the increase in average selling prices,” Yousif Al-Benyan, SABIC vice chairman and CEO, said in a press release.

Sales from the petrochemicals and specialties were up 4 per cent to SAR 37.8 billion. In chemicals, monoethylene glycol (MEG) prices increased in Q3 over the previous quarter due to higher feedstock prices with a rise in oil prices, light supply coupled with lower production from coal-based plants and relatively low levels of inventory in China, according to the company.

Moreover, methanol prices increased steadily demand from traditional end industries, certain outages in Europe and lower production from a methanol-to-olefins (MTO) plants in China. During the quarter, SABIC’s EBITDA slipped 18 per cent to SAR 11.2 billion (SAR 13.6 billion), while income from operations dropped 23 per cent to SAR 7.7 billion (SAR 10.0 billion).

“SABIC announced the start of commissioning activities and preparations for the initial start-up of the petrochemical joint venture project in the US gulf coast (Gulf Coast Growth Ventures). This project supports SABIC’s global growth strategy, and its aim to diversify its feedstock sources and strengthen its local customer base. SABIC’s healthy financial performance during the third quarter of 2021 marked a continuation of our recovery from the impact of COVID-19, albeit at a lower level than our exceptional strong performance during the second quarter. We did, however, see a moderation in margins in the third quarter due mainly to rising feedstock costs, which offset the increase in average selling prices,” Yousif Al-Benyan, SABIC vice chairman and CEO, said in a press release.

Sales from the petrochemicals and specialties were up 4 per cent to SAR 37.8 billion. In chemicals, monoethylene glycol (MEG) prices increased in Q3 over the previous quarter due to higher feedstock prices with a rise in oil prices, light supply coupled with lower production from coal-based plants and relatively low levels of inventory in China, according to the company.

Moreover, methanol prices increased steadily demand from traditional end industries, certain outages in Europe and lower production from a methanol-to-olefins (MTO) plants in China. During the quarter, SABIC’s EBITDA slipped 18 per cent to SAR 11.2 billion (SAR 13.6 billion), while income from operations dropped 23 per cent to SAR 7.7 billion (SAR 10.0 billion).

“SABIC announced the start of commissioning activities and preparations for the initial start-up of the petrochemical joint venture project in the US gulf coast (Gulf Coast Growth Ventures). This project supports SABIC’s global growth strategy, and its aim to diversify its feedstock sources and strengthen its local customer base. SABIC’s healthy financial performance during the third quarter of 2021 marked a continuation of our recovery from the impact of COVID-19, albeit at a lower level than our exceptional strong performance during the second quarter. We did, however, see a moderation in margins in the third quarter due mainly to rising feedstock costs, which offset the increase in average selling prices,” Yousif Al-Benyan, SABIC vice chairman and CEO, said in a press release.

Sales from the petrochemicals and specialties were up 4 per cent to SAR 37.8 billion. In chemicals, monoethylene glycol (MEG) prices increased in Q3 over the previous quarter due to higher feedstock prices with a rise in oil prices, light supply coupled with lower production from coal-based plants and relatively low levels of inventory in China, according to the company.

Moreover, methanol prices increased steadily demand from traditional end industries, certain outages in Europe and lower production from a methanol-to-olefins (MTO) plants in China. During the quarter, SABIC’s EBITDA slipped 18 per cent to SAR 11.2 billion (SAR 13.6 billion), while income from operations dropped 23 per cent to SAR 7.7 billion (SAR 10.0 billion).

“SABIC announced the start of commissioning activities and preparations for the initial start-up of the petrochemical joint venture project in the US gulf coast (Gulf Coast Growth Ventures). This project supports SABIC’s global growth strategy, and its aim to diversify its feedstock sources and strengthen its local customer base. SABIC’s healthy financial performance during the third quarter of 2021 marked a continuation of our recovery from the impact of COVID-19, albeit at a lower level than our exceptional strong performance during the second quarter. We did, however, see a moderation in margins in the third quarter due mainly to rising feedstock costs, which offset the increase in average selling prices,” Yousif Al-Benyan, SABIC vice chairman and CEO, said in a press release.

Sales from the petrochemicals and specialties were up 4 per cent to SAR 37.8 billion. In chemicals, monoethylene glycol (MEG) prices increased in Q3 over the previous quarter due to higher feedstock prices with a rise in oil prices, light supply coupled with lower production from coal-based plants and relatively low levels of inventory in China, according to the company.

Moreover, methanol prices increased steadily demand from traditional end industries, certain outages in Europe and lower production from a methanol-to-olefins (MTO) plants in China. During the quarter, SABIC’s EBITDA slipped 18 per cent to SAR 11.2 billion (SAR 13.6 billion), while income from operations dropped 23 per cent to SAR 7.7 billion (SAR 10.0 billion).

“SABIC announced the start of commissioning activities and preparations for the initial start-up of the petrochemical joint venture project in the US gulf coast (Gulf Coast Growth Ventures). This project supports SABIC’s global growth strategy, and its aim to diversify its feedstock sources and strengthen its local customer base. SABIC’s healthy financial performance during the third quarter of 2021 marked a continuation of our recovery from the impact of COVID-19, albeit at a lower level than our exceptional strong performance during the second quarter. We did, however, see a moderation in margins in the third quarter due mainly to rising feedstock costs, which offset the increase in average selling prices,” Yousif Al-Benyan, SABIC vice chairman and CEO, said in a press release.

Sales from the petrochemicals and specialties were up 4 per cent to SAR 37.8 billion. In chemicals, monoethylene glycol (MEG) prices increased in Q3 over the previous quarter due to higher feedstock prices with a rise in oil prices, light supply coupled with lower production from coal-based plants and relatively low levels of inventory in China, according to the company.

Moreover, methanol prices increased steadily demand from traditional end industries, certain outages in Europe and lower production from a methanol-to-olefins (MTO) plants in China. During the quarter, SABIC’s EBITDA slipped 18 per cent to SAR 11.2 billion (SAR 13.6 billion), while income from operations dropped 23 per cent to SAR 7.7 billion (SAR 10.0 billion).

“SABIC announced the start of commissioning activities and preparations for the initial start-up of the petrochemical joint venture project in the US gulf coast (Gulf Coast Growth Ventures). This project supports SABIC’s global growth strategy, and its aim to diversify its feedstock sources and strengthen its local customer base. SABIC’s healthy financial performance during the third quarter of 2021 marked a continuation of our recovery from the impact of COVID-19, albeit at a lower level than our exceptional strong performance during the second quarter. We did, however, see a moderation in margins in the third quarter due mainly to rising feedstock costs, which offset the increase in average selling prices,” Yousif Al-Benyan, SABIC vice chairman and CEO, said in a press release.

Sales from the petrochemicals and specialties were up 4 per cent to SAR 37.8 billion. In chemicals, monoethylene glycol (MEG) prices increased in Q3 over the previous quarter due to higher feedstock prices with a rise in oil prices, light supply coupled with lower production from coal-based plants and relatively low levels of inventory in China, according to the company.

Moreover, methanol prices increased steadily demand from traditional end industries, certain outages in Europe and lower production from a methanol-to-olefins (MTO) plants in China. During the quarter, SABIC’s EBITDA slipped 18 per cent to SAR 11.2 billion (SAR 13.6 billion), while income from operations dropped 23 per cent to SAR 7.7 billion (SAR 10.0 billion).

“SABIC announced the start of commissioning activities and preparations for the initial start-up of the petrochemical joint venture project in the US gulf coast (Gulf Coast Growth Ventures). This project supports SABIC’s global growth strategy, and its aim to diversify its feedstock sources and strengthen its local customer base. SABIC’s healthy financial performance during the third quarter of 2021 marked a continuation of our recovery from the impact of COVID-19, albeit at a lower level than our exceptional strong performance during the second quarter. We did, however, see a moderation in margins in the third quarter due mainly to rising feedstock costs, which offset the increase in average selling prices,” Yousif Al-Benyan, SABIC vice chairman and CEO, said in a press release.

Sales from the petrochemicals and specialties were up 4 per cent to SAR 37.8 billion. In chemicals, monoethylene glycol (MEG) prices increased in Q3 over the previous quarter due to higher feedstock prices with a rise in oil prices, light supply coupled with lower production from coal-based plants and relatively low levels of inventory in China, according to the company. **Middle East and Africa Carpet Flooring News**
Iranian carpets, a symbol of Iranian art

Medallion carpet is any floor covering on which the decoration consists of a medallion pattern. In the case of Persian carpets, a medallion is usually circular, but it can be circular, quatrefoil, or octagonal. The name, however, is sometimes also given to a carpet on which the decoration consists of a single symmetrical centerpiece, such as a star-shaped or circular, quatrefoil, or octagonal figure. The name, however, is sometimes also given to a carpet on which the decoration consists of several forms of this kind or even of rows of medallion figures.

The carpet will be completed with these knots in six months and is planned to be displayed at the Expo Museum, the report said.

Persian carpets, a symbol of Iranian art

For millennia, Iran’s eminent carpets, which are adored for their intricate designs, lavish colors, and matchless craftsmanship, have been produced by hand along the nomad trail across the foothills and high plains of the ancient land. For centuries, the weaving of Persian carpets has been a source of national pride and cultural identity. These carpets are created by generations of artisans who have passed down their skills and techniques from one generation to the next.

The carpet weaving process involves several steps, starting with the selection of the finest wool and then the creation of intricate designs using traditional techniques such as knotting, weaving, and dyeing. The process can take months, sometimes even years, to complete, and the finished product is a testament to the ingenuity and skill of the artisans who created it.

Visitors to the pavilion are kindly required to tie a knot on the carpet as a symbol of peace and empathy under the supervision of a master of carpet weaving.

The carpet will be cut, washed, and put out in the sun to dry. Persian carpets are sought after internationally for their intricate designs, lavish colors, and matchless craftsmanship, have been produced by hand along the nomad trail across the foothills and high plains of the ancient land. These carpets are created by generations of artisans who have passed down their skills and techniques from one generation to the next.

The carpet symbolizing peace and empathy is currently being woven by the hands of visitors to the Iran pavilion at the prestigious Expo 2020 Dubai, ILNA reported on Wednesday.

In collaboration with the Iran National Carpet Center, the Iran pavilion has prepared special programs for the Expo 2020 Dubai to showcase the capabilities of this national art, considering the importance of hand-woven carpets among the non-oil exports of the country, the report added.

Visitors to the pavilion are kindly required to tie a knot on the carpet as a symbol of peace and empathy under the supervision of a master of carpet weaving.

Medallion carpet is any floor covering on which the decoration is dominated by a single symmetrical centerpiece, such as a star-shaped, circular, quatrefoil, or octagonal figure. The name, however, is sometimes also given to a carpet on which the decoration consists of several forms of this kind or even of rows of medallion figures.

Expo 2020, an opportunity to promote Iran’s tourism, handicrafts

The Expo 2020 Dubai opened on September 30 with a lavish ceremony of fireworks, music, and messaging about the power of global collaboration for a more sustainable future. Iran’s pavilion in the world fair is planned to showcase each Iranian province’s strengths and assets in tourism, cultural heritage, handicrafts, as well as its natural sites, traditional ceremonial practices, and historical significance.

The Persian Gulf state has relaxed most coronavirus limitations but Expo requires face masks to be worn and for visitors over 18 to be vaccinated against, or test negative for, COVID-19.

After putting the “new normal” to the test this year with its successful 2021 Mohawk Momentum Roadshow, Mohawk said it will be back on the road again in early 2022. Kicking off Jan. 5 in Philadelphia, the appointment-only traveling show will provide personalized product and program experiences to retailers across the U.S.

“This year, Mohawk Momentum Roadshow helped us connect with over 3,500 retail partners in unprecedented times—all while providing solutions from our largest product launch to date,” said Trey Thames, Mohawk’s senior vice president of residential sales. “Mohawk Momentum Roadshow 2022 will showcase the latest in product innovations and program offerings that will drive differentiation and business growth throughout the year.”

Beginning in January, Mohawk Momentum Roadshow 2022 will travel to three cities before making its grand finale at Surfaces in Las Vegas. The company said its attendees will get a first look at its full line of new flooring solutions from three of the most recognized brands in the industry: Mohawk, Pergo and Karastan.

“Mohawk Momentum Roadshow 2022 will also feature our continued investment in the development and innovation of our marketing programs and digital solutions,” Thames said. “Enhancements to Omnify and Neighborhood Ad Manager further simplify the consumer journey, creating a seamless shopping experience to help our retailers win and close every possible sale.”

The 2022 Mohawk Momentum Roadshow schedule is as follows:

Philadelphia: Jan. 5-6, Marriott Philadelphia Downtown
Chicago: Jan. 12-13, Sheraton Grand Huntington Beach, Calif.: Jan. 24-25, Waterfront Beach Resort
Las Vegas: Feb. 1-3, Surfaces-Mandalay Bay Convention Center
The Restart of Home Textile Industry
Also Passes Through Firenze Home Texstyle International Fair, Set to Be Held at the Fortezza da Basso in Florence, from 4th to 7th February 2022

Firenze, 19th October 2021. FIRENZE HOME TEXSTYLE, the only Italian international fair devoted to home, marine, spa, contract & hotel textiles, is back at the Fortezza da Basso in Florence. It is an unmissable event for the most qualified companies and for the most prestigious and dynamic brands of this sector.

Promoted and organised by Firenze Fiera, this exhibition has now reached its fourth edition, and is set to take place at the Fortezza da Basso from 4th to 7th February 2022.

The new edition features a ‘rebranding’ operation featuring a strong visual impact, inspired by the patchwork technique, obtained by collecting scraps of classical fabrics in vibrant and bright shades within the same visual, and by inserting the ‘Florence lily’ as a paradigm of the city of Florence.

Inside the over 11,000 square metres of Spadolini Pavilion’s lower floor, visitors will be able to admire the new collections of household linen, the latest proposals for upholstery, curtains, home, spa, marine, contract & hotel textiles, textile publishing and fragrances.

On show, a wide and articulated range of home and indoor and outdoor products, with a special focus on ethic and sustainable processes and materials.

The exhibition section will be completed by a full programme of side events, including seminars and workshops, featuring figures of international prestige coming from the living and interior décor world.

Continuing the path already traced by the Stanzas delle meraviglie (Room of Wonders) – the event successfully held during the 2021 edition and dedicated to the excellence of Tuscan textiles – woven masterpieces will be on show at the exhibition, on loan from prestigious Italian museums and cultural institutions, such as the Fondazione Arte della Seta Lisio (a foundation to preserve the silk art fabric weaving tradition), the Textile Museum in Prato, the Straw Hat and Straw Weaving Museum in Signa, and others.

“Innovation, sustainability and the culture of textiles will be the key points of the next edition of Firenze Home Texstyle which, in 2022, will open the season of the exhibitions directed by organized by Firenze Fiera – said Lorenzo Becattini, President of Firenze Fiera – staging the excellence of textile products by presenting the new collections and organising side events mixing the heritage of Italian masters of art and the future-oriented impetus of design and home décor”.

Admission is exclusively reserved for industry professionals upon registration.

Florence – Fortezza da Basso, February 4 – 7, 2022
Opening times: Every day from 9:00 to 18:00 – On the last day: from 9:00 to 16:00
SUSTAINABLE CARPETS
NEW COLLECTION: REFORM DISCOVERY
By Mette Frydensbjerg Jacobsen

A new member of our sustainable ReForm concept

When seen from above, the Earth is a perfect system. Looking down, each miracle of nature has a unique power of its own, whether it’s the massive pressure of the roaring ocean or the stubbornness of the unmovable cliff always holding on to its majestic position. Individually, these forces appear incompatible, but from a bird’s eye view it becomes obvious that they’re interconnected and highly adaptable.

Through the algorithm of the marks we leave behind, ReForm Discovery explores the relatedness of humans too. Complex road maps, rigorous agricultural structures and neat yet somewhat chaotic city grids are examples of manmade systems so large in scale they can only be comprehended from a distance. Natural wonders or human-crafted constructions, they’re all part of the same discoverable networked systems.

The designs
In this collection, the multi-level loop construction creates texture that’s influenced by these networked systems and defines the 5 patterns: Planet, Earth, Network, Net and Cliffs. Available in sizes and shapes optimised according to the individual pattern, they can be used alone or combined to give a soft or dramatic expression to the floorscape.

The colour groups
Discovery comes in 5 contemporary colour groups from subtle tone-on-tone shades to bold compositions.

- **Ash black**
  - Black and grey tones with various colour saturations and coordinated contrasts add a dramatic yet understated ambience to your floor. A classic interior colour, ash black can be a bold choice.

- **Sand grey**
  - Comprising the lightest Discovery colour group, sand grey combines beige and grey colour schemes into contemporary looks with a high degree of colour contrast.

- **Broken green**
  - Featuring an elegant vintage touch, broken green combines interior darlings such as bottle green, forest green and emerald into contemporary colour compositions with interesting layers.

- **Ocean blue**
  - Classic yet vibrant, ocean blue brings calm energy to any interior setting. Adding depth and interesting movement to the five patterns, this is a powerful and refined colour choice.

- **Wild berry**
  - Edible delicacies from nature’s kitchen inspired this palette of bright, dark or slightly faded berry colours. A contemporary and bold interior choice to make a powerful statement.

Sizes and shapes
Discovery is available as carpet tiles, planks and wall-to-wall carpet offering a multitude of design options for your floorscape. With this collection, you can create distinctive and functional spaces that offer flexibility and variability in their unique expression.

To make the most of the 5 unique patterns, Planet, Earth and Network are available in 48x48 cm tiles, 96x96 cm tiles, 24x96 cm planks and wall-to-wall carpet. Net and Cliffs are available in 96x96 cm tiles and wall-to-wall carpet only. The carpet tiles can be installed monolithic style or as quartz, where pattern and pile direction create a different expression.

Waste isn’t waste until it’s wasted
ReForm Discovery is made from eco-responsible materials and bearing the Cradle to Cradle Bronze and Indoor Air Comfort Gold certifications, it’s a more sustainable choice for any flooring project.

We turn used plastic bottles into our eco-friendly Tile Creator.

Choose. Play with your options and visualise your own design ideas with our user-friendly Tile Creator.

Depending on the sizes and shapes you choose, you can achieve very different looks where you can achieve very different looks depending on the sizes and shapes you choose. Play with your options and visualise your own design ideas with our user-friendly Tile Creator.

For more information please contact us, follow us on LinkedIn and keep an eye out for upcoming events. To make the most of the 5 unique patterns, Planet, Earth and Network are available in 48x48 cm tiles, 96x96 cm tiles, 24x96 cm planks and wall-to-wall carpet. Net and Cliffs are available in 96x96 cm tiles and wall-to-wall carpet only. The carpet tiles can be installed monolithic style or as quartz, where pattern and pile direction create a different expression.

This collection is a great visual toolbox where you can achieve very different looks depending on the sizes and shapes you choose. Play with your options and visualise your own design ideas with our user-friendly Tile Creator.
Mohawk Group works to support and honor the rivers that directly impact the many lives they support through The Waterways Project. The Graafika collection is a part of this project and was created to showcase beautiful waterways in an array of designs crafted by senior field designer Yelena Rodina.

Durkan, the hospitality brand of Mohawk Group, has announced the Graafika collection as part of The Waterways Project to celebrate the powerful, evolving nature of rivers. The Graafika collection will be shown at The Jacob K. Javits Convention Center in New York City for BDNY on November 14 and 15, 2021. Visitors returning to Durkan’s booth (1711) will journey through new products, technologies, and innovations that give back to the living waters that sustain us all.

The Graafika collection is a part of this project and was created to showcase beautiful waterways in an array of designs crafted carefully by senior field designer Yelena Rodina. "The Graafika collection is like a winding river, it rushes forward, meeting adventure on its way," said hospitality senior field designer Yelena Rodina. "In the collection, sketching and brushstroke painting intertwine to create energetic and fluctuating rhythms, while interlaced elegant geometry lines balance the patterns."

One of nature’s many captivations is a meandering river. It has its own character, sometimes calm and full flowing, then icy and exuberant. It constantly changes its path and is always on the move to find its own unique way. "This is a unique collection that has its own character," said Mark Page, senior director of creative design and development. "The collection allows for your imagination to effortlessly flow into new spaces like never before."

In addition to its unique design, the Graafika collection was created to elevate hospitality flooring design to new heights. The collection displays the innovative technical capabilities of Durkan in Pattern Perfect, Spectract, PDI Tile, Definity, and Tufted Broadloom, which allows for endless possibilities for any hospitality project.

**DURKAN INTRODUCES THE GRAAFIKA COLLECTION**

Mohawk Group works to support and honor the rivers that directly impact the many lives they support through The Waterways Project.

The Graafika collection is a part of this project and was created to showcase beautiful waterways in an array of designs crafted carefully by senior field designer Yelena Rodina. "The Graafika collection is like a winding river, it rushes forward, meeting adventure on its way," said hospitality senior field designer Yelena Rodina. "In the collection, sketching and brushstroke painting intertwine to create energetic and fluctuating rhythms, while interlaced elegant geometry lines balance the patterns."

One of nature’s many captivations is a meandering river. It has its own character, sometimes calm and full flowing, then icy and exuberant. It constantly changes its path and is always on the move to find its own unique way. "This is a unique collection that has its own character,” said Mark Page, senior director of creative design and development. “The collection allows for your imagination to effortlessly flow into new spaces like never before.”

In addition to its unique design, the Graafika collection was created to elevate hospitality flooring design to new heights. The collection displays the innovative technical capabilities of Durkan in Pattern Perfect, Spectract, PDI Tile, Definity, and Tufted Broadloom, which allows for endless possibilities for any hospitality project.

**BEAUFLO'**

Richard Runkel will be joining the Beauflor USA team as general manager, effective November 1st, 2021. His most recent experience has been with Pro-Link Incorporated where he served as president and CEO until electing to join Beauflor USA.

Runkel has more than 30 years’ experience in the building materials industry with Koroseal Interior Products where he was promoted to president and CEO.

“I am very excited to be joining Beauflor USA. I believe Beauflor has a great business model and talented management team that positions us for continued growth and success,” said Runkel.
UPHOLSTERY FABRIC PRINTERS AROUND THE GLOBE

There is one common need for high quality upholstery fabrics, no matter whether it is based on a flat weave or pile substrate. Penetration is the key for a durable high performance seating fabric produced for the use in residential, contract, or even in public transportation vehicles such as trains, buses aircrafts or cruise ships.

ZIMMER AUSTRIA has a long tradition and a great experience in manufacturing and supply of equipment for heavy weight fabric printing needs.

The variety of quality upholstery fabric includes cellulose-based fibers as well as PES, Acrylic, Polyamide, or PA-Wool blend-ed substrates and others.

No matter whether the construction is made from a plain weave, or it is a complex construction made from fancy yarn incl. chenille, or velour substrate. A COLARIS print line can handle all the requirements of such products.

Process Development

Through constant inhouse research and a close relation with material and chemical manufac-turers, ZIMMER AUSTRIA can develop new process technologies and in-tegrates them into print production plants.

The open Ink System

The wide variety of upholstery fabrics available is best covered through an open ink system. Certified inks from the best manu-facturers, with the widest range of chemis-try can be used. This makes the COLARIS printer the most versatile applicator for inks and functional-ization chemicals available today. An open ink system is the key features of the CO-LARIS printer family. COLARIS printers are fitted with the renowned, robust and repair-able FUJIFILM Dimatix Star-fire™ print-heads with integrated ReadyJet™ ink cir-culation system and Versadrop™ greyscale printing mode for accurate ink and chemical placement on any substrate.

Cost efficient production through an ex- tended life cycle

Low operational costs and stable produc-tion are guaranteed through robustness and precision of the printer. Accurate posi-tioning and uncompromised fixation of the printing substrate on the transport belt is a basic need. Permanent control of convey-or transport in combination with a position controlled linear drive motor for the print carriage ensure maximum precision in print-ing. Electronic components including firepulse-, data- and heat interface boards are devel-oped by ZIMMER AUSTRIA, just like the COLARIS Print Engine which stands for op-erator’s comfort and excellent print results. It offers several optional features that can be licensed as per specific product or cus-tomer’s requirement.

A comprehensive diagnostic system is part of the print en-gine and supports our world-wide operating service team, to minimize down time in the event of a malfunction. Tele-maintenance guarantees software support throughout the service life of a CO-LARIS printer.

Versatility for optimized product config-uration

The wide range of upholstery products is covered well through COLARIS Digital In- kjet Printers which can be configured for re-active and VAT ink layout to print on cellulose-based substrates.

Products made from Polyamide and Wool, or its blends can be printed and finished in-line through use of acid and pre-met-alized inks. Additionally, the layout can be made for cationic inks to print and process CDPET and acrylic based substrates. Polyester fabrics are print-ed with high energy disperse or direct sublimation inks.

Sustainable Print Production by choosing the right Partner

Exceeding todays and potential future demand of our customer’s needs and coping with legal or environmental restric-tions in textile processing is our main focus aside constant improve-ment in economic print production.

ZIMMR AUSTRIA is offering the full service from process development en-gineering, manufac-turing, installation, process integration, training and after sales service to ensure an economic and smooth operation. Let us know about your demand and we will jointly find the right solution for your specific need.

FOR MORE INFORMATION VISIT : WWW.ZIMMER-AUSTRIA.COM
BULKING & HEAT SETTING MACHINE FOR CARPET YARN

Lowest Energy And Steam Consumption

MEERA BAH
Continuous Bulking & Heat Setting Machine for Carpet Yarn
Polyester | PP | PA | PET | Acrylic | Wool

For Supersoft High Bulk Polyester Yarn
For Carpets & Bathmats

High Bulk Yarn Manufacturing Process

Dope Dyed Textured Yarn
Cabling
Bulking & Heat Setting
Supersoft High Bulk Polyester Yarn