

# MIENA Carpet News

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[Middle East and Africa Carpet and Flooring News](#)

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## THE MENA LARGEST CARPET FACTORY, STANDARD CARPETS, EXPANDS IN DUBAI INDUSTRIAL CITY

Standard Carpets, the region's largest producer and exporter of broadloom carpets, carpet tiles and artificial grass, has broken ground on a new manufacturing plant in Dubai Industrial City that will become one of the world's largest carpet factories and the region's biggest upon completion in 2023.

Covering a total land area of more than 3 million sq. ft, the state-of-the-art facility will allow Standard Carpets to increase production capacity by 40 per cent and produce an additional 400 tonnes of yarn per month in the first phase of the development.

Expansion is an important milestone for both parties. It will boost Operation 300bn, promote high-quality Made in UAE products, enhance Dubai's position as a global manufacturing hub and contribute to GDP growth. Upon completion, Standard Carpets will operate one of the world's largest single-site flooring plants, covering a total built-up area of 1.6 million sq. ft.

Abdulla Belhoul, Chief Commercial Officer of

Dubai Holding Asset Management, said: "Increasing the contribution manufacturing makes to the UAE's GDP is a national priority set by the vision of our leaders for economic growth and diversification. By combining advanced technologies with best-in-class design and sustainable innovation, Standard Carpets has become the country's largest producer of broadloom carpets. This expansion will boost industrial activities in the country and cement Dubai's position as a global trade hub.

"Global trust and confidence in high-quality UAE products continue to grow quickly as local production and exports expand empowered by our ease of doing business, advanced infrastructure, logistics network, availability of raw and packaging materials, as well as access to specialised talent. It has allowed Standard Carpets to trade with over 60 countries. We look forward to working closely with them to successfully deliver this important new milestone."

[See more at Page 4 ...](#)

## HAND-WOVEN CARPET EXPORTS JUMP 84.6 PERCENT

Iran's export of hand-woven carpets increased 84.6 percent in terms of value during the first two months of the current Iranian calendar year 1400 (March 21-May 21, 2021), from a year earlier, IRNA reported.

"According to the customs statistics, exports of Iranian handmade carpets has increased by 84.6% over the [year's first] two months in terms of value," said Farahnaz Rafe', the head of the National Union of Cooperatives of Iran's Carpet Manufacturers.

"Among the 33 countries trading with Iran during the period, Japan and Germany were the two main importers of hand-woven Persian rugs and carpets," she added.

Persian carpets are sought after internationally for their delicate designs and their good quality. Among Persian carpets, particularly those of the classic period, the medallion may represent an open lotus blossom with 16 petals as seen from above, a complex star form, or a quatrefoil with pointed lobes.

28 February - 02 March, 2022, Meadowlands Exposition Center

# INTERNATIONAL EXHIBITION OF FURNITURE INDUSTRY

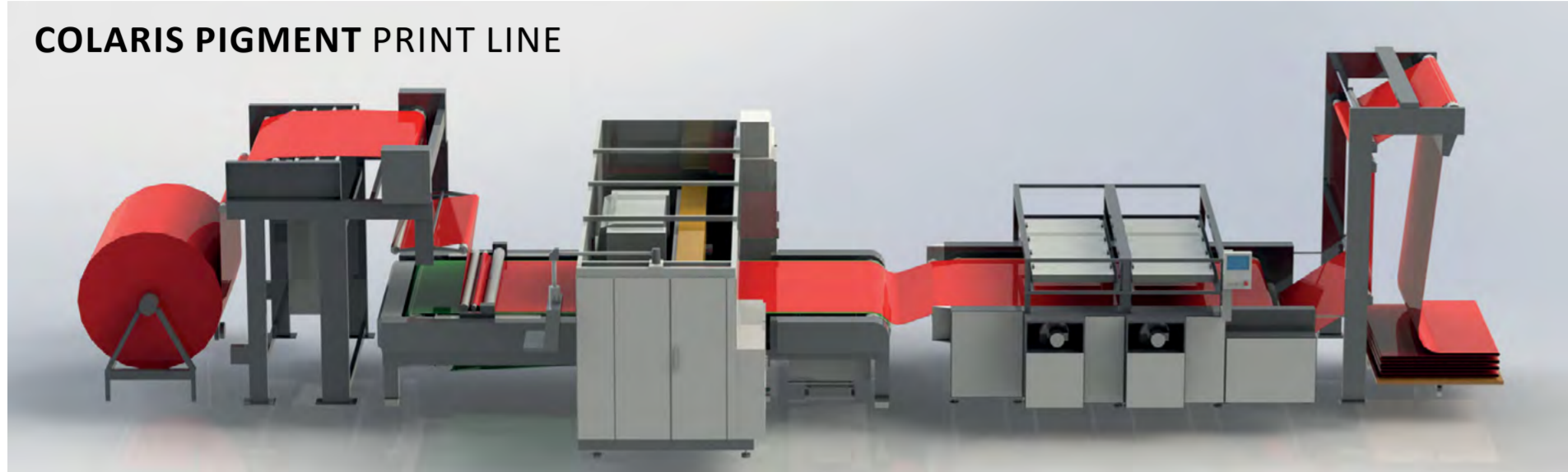
BOOK YOUR SPACE

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- [DELASA DESIGN](#)
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# READY TO SUPPORT YOU

## COLARIS PIGMENT PRINT LINE



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



ZIMMER AUSTRIA Digital Printing Systems is the competent partner to your success in printing of home textile fabrics.



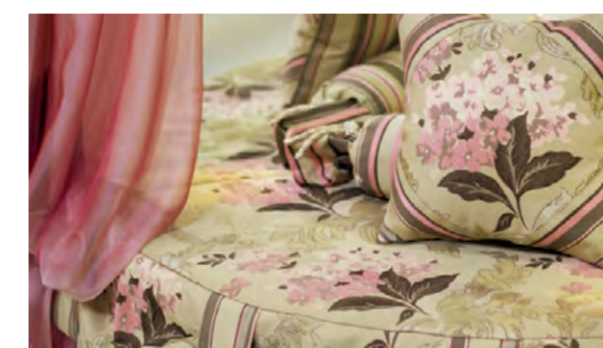
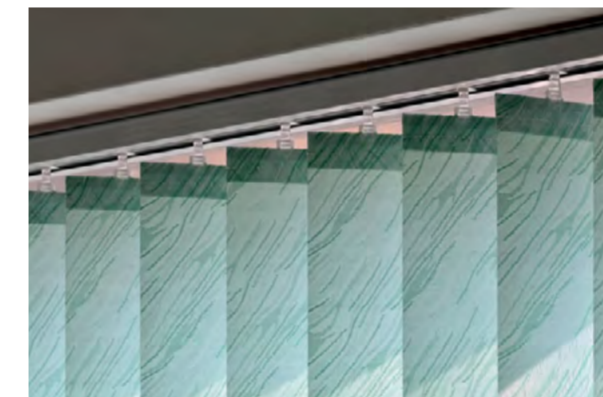
A broad range of line components and the extremely flexible and scalable printer solutions from our COLARIS printer family allows us to configure cost effective production lines for any of our customer's needs.

### PIGMENT - THE ECONOMIC AND ECOLOGIC SOLUTION FOR TEXTILE PRINTING

- Suitable for almost any fiber and substrate construction
- Excellent light fastness
- Easy process with little technological knowledge requirement
- Simple dye fixation by thermal treatment only
- No post print washing required
- No waste chemicals or intermediates (transfer paper)
- Drastically reduced energy demand
- Sustainable, Eco-Friendly



# CHALLENGE US



## TECHNICAL DATA:

Technology:	<b>COLARIS – Digital Inkjet Technology based on piezo electric printheads with integrated ink circulation system</b>
Suitability:	<b>Woven, knitted, nonwoven substrates</b>
Possible supply:	<b>Printer only or complete print lines</b>
Working width:	<b>Available in 2200 – 2600 – 3400 mm</b>
Product range:	<b>Home textile, window fashion, wall decoration-, advertising-, technical-, tactical- and other textile substrates</b>
Dye stuff class:	<b>Organic pigment inks</b>
Fabric weight range:	<b>From 80 to 400 g/m<sup>2</sup> and more</b>
Scalable capacity:	<b>From 70 to 1080 m<sup>2</sup>/h dependent on print resolution, substrate to be printed and ink amount required</b>
Line components:	<b>Fabric feeding and guiding systems, COLARIS printer, various different dryer options, fabric plaiting or rolling system, optional Inline pre- &amp; post-treatment</b>

## INNOVATION | QUALITY | SERVICE

### ZIMMER MASCHINENBAU GMBH DIGITAL PRINTING SYSTEMS

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From Page 1

## Standard Carpets, expands in Dubai Industrial City

Saud Abu Al-Shawareb, Managing Director of Dubai Industrial City, said: "The UAE's manufacturing industry has expanded rapidly in recent years to become a key driver of the country's knowledge and innovation-based economy. With a wide range of competitive advantages, state-of-the-art infrastructure, ease of doing business and strategic proximity to some of the world's largest markets, Dubai Industrial City is an attractive business ecosystem. As the first carpet producer in the country, we are pleased to see a company with such heritage build another large-scale factory in our business district. Standard Carpets' expansion will consolidate Dubai's position as a global hub for advanced manufacturing, in line with the vision of our leaders."

Mr Gulu Waney, Chairman, Standard Carpets, added: "We have enjoyed tremendous growth since establishing the region's largest carpet factory in Dubai Industrial City in 2014. It has enabled us to successfully expand production capacity, increase our portfolio of superior quality products and reach new markets in more than 60 countries, including Australia, New Zealand, Saudi Arabia and the US. Breaking ground on our state-of-the-art expansion is another exciting milestone that demonstrates our long-term commitment to Dubai and our unwavering confidence in the UAE's vision for the future."

Standard Carpets' new factory will be one of the world's largest all-under-one-roof carpet factories. It will harness the latest advances in carpet-making equipment and technology with in-house yarn extrusion, twisting-cabling and heat-set facilities. It will generate enough renewable energy to meet more than one-third of its electricity consumption with a massive solar rooftop, divert waste away from landfill and reduce water consumption with smart sustainability solutions. Furthermore, it will significantly expand production, with the company already producing more than 1,000 flooring products in a selection of premium patterns and colours. The materials are also antimicrobial, fire-retardant and resistant to UV light.

Confidence and trust in locally-produced products has helped Dubai's non-oil trade rise by 8 per cent in 2020, according to Dubai Customs. Everything made in Dubai Industrial City – from cement and carpets to personal care items, food or beverage and coffee – meets the highest international standards and successfully demonstrates how 'Made in UAE' exports compete on cost and quality with global brands in markets all over the world.

With more than 750 companies and hundreds of advanced factories employing fourth industrial revolution technologies, Dubai Industrial City is a strategic driver of the UAE's vision to expand the industrial sector and enhance its role in stimulating economic growth.

Established in 2004, it is designed around a world-class master plan that divides the business district into strategic sector-focused zones, including: minerals, base metals, food and beverages, trading and distribution, transport, chemicals, and machinery and equipment.

## FORBO FLOTEX; BIONIC FLOORING PERFORMANCE COMBINED WITH LIMIT-LESS COLOUR AND DETAIL

Forbo Flooring Flotex high tech textile, a choice, not a compromise

Flotex is a modern high tech floor covering that looks and feels like a carpet without any of the drawbacks of a textile floor covering. At the same time, it performs like a resilient with a durable, velour like surface that is comfortable to walk on, warm underfoot with excellent slip resistant and acoustic properties.

The term bionic performance refers to features and phenomena that can be observed in nature and are translated into man-made products and processes. This transfer of technology from living fauna and flora helps to create optimised and highly efficient products.

Flotex contains a number of bionic features that mimic natural phenomena:

- The 80 million fibres per m2 in Flotex provide a slip resistant surface both in wet and dry conditions, similar to the way the feet of a gecko are made up of thousands of tiny hairs that allow them to climb without slipping.
- Flotex fibres are flexible and comfortable under foot and, just like moss, they always return to their original shape
- Bees fly from one flower to the next collecting and releasing pollen when they need to, in the same way that Flotex traps the allergens between the nylon 6.6 fibres until easily releasing them on vacuuming.
- Advanced printing technologies used in the production of Flotex replicate the rich, vibrant and precise colourations found in nature

**Flotex is available in three collections:** Flotex colour, a collection with three designs which together form a rhapsody of colour across a broad spectrum. Ideal for education, health and age care environments, leisure and commercial spaces

Flotex linear: representing 5 linear ranges in various colourways that complement commercial and educational environments but also deliver playful effects for leisure, hospitality and retail spaces.

Flotex Vision: an overwhelming design bank of over 600 digitally printed designs that suit every taste or requirement, right down to a colour on demand option.

With the link to bionic features Flotex has clearly recognizable unique selling points:

- Durable and comfortable
- Quiet yet hygienic
- Warm while washable
- Safe but sound absorbing

**Flotex is a choice, not a compromise** The anti-microbial Sanitized treatment on Flotex ensures consistent protection against bacteria without degeneration through cleaning or vacuuming. It also suppresses the growth of dust mite populations. Therefore Flotex has a positive impact on the lives of allergy sufferers even more as daily vacuuming cleans away twice as many allergens compared to conventional carpets. That is why Flotex carries the British Allergy Foundation seal of approval.



## HD Expo and Conference Returns to Las Vegas hd expo

HD Expo + Conference is set to return to the Mandalay Bay Convention Center in Las Vegas on August 24 and 25 after the cancellation of its 2020 event. Now in its 30th year, HD Expo + Conference attracts the world's most talented and sought-after network of interior designers, architects, hoteliers, owners, operators, developers, and purchasers. Attendees annually come together to see the launch of innovative products and resources, and to stay on top of industry news and trends through thought-provoking conference programming curated by Hospitality Design (HD) magazine.

"After having to cancel last year's show, and then postpone this year's from May till August, we can't wait to finally bring the industry we love back together for two days of education, networking, and inspiration," says Stacy Shoemaker Rauhen, editor in chief of HD magazine, and senior vice president, Design Group, Emerald. "We want this to be a celebration of the great design and innovation and resiliency that has continued, despite the challenges we faced over the past year."

"We're excited to get back to business, safely. For those who have attended in the past, yes—the show will be a bit smaller. What won't be different is the strength of the connections made, the innovative products discovered, or the depth of insight and experiences shared. It's going to be everything the hospitality design industry is about—community, networking, discovery, and encouragement," added Kevin Gaffney, Group Show director, and vice president, Emerald.

The HD Expo + Conference will debut several new activations, serve as the launch event for hundreds of product manufacturers, and feature a robust lineup of industry veterans, thought leaders, and ones to watch in nearly 30 conference sessions. HD Park, inspired by the industry's many immersive outdoor experiences, will host all CEU-accredited conference sessions with brand updates and deep dives into new hybrid concepts, while talks at the DesignWell Pavilion will explore the ever-evolving wellness industry in a desert oasis-inspired space crafted by BHDM Design.



## Aquafil releases 2020 Sustainability Report

Aquafil, a leading manufacturer of innovative synthetic fibers, including Econyl regenerated nylon, released its annual sustainability report, reflecting insights on the company's commitment to doing business sustainably. The report showcases the results it has achieved in helping to support and protect employees, local communities and the environment as a whole, the company said.

"Aquafil is fully committed to tackling today's global challenges with sustainable solutions, though the journey to a circular economy does not end here," said Giulio Bonazzi, CEO and chairman of Aquafil. "Sustainability goals and commitments must be met with action. Aquafil chose to become a leader in our industry over 10 years ago, showing that a circular business model can be done with great success. While a lot has been achieved, there is more that can be done. Our commitment to sustainability and the results that the group has achieved will continue on in full force, supporting employees, local communities and the environment."

According to Aquafil's 2020 Sustainability Report, 95% of the company's total consumption

of electricity came from renewable sources. Also worth noting, Aquafil's greenhouse gas emissions have been reduced by 59%.

The company also launched Aquafil Carpet Recycling, a new division focused on the recovery and processing of post-consumer rugs and carpets to be used to create Econyl regenerated nylon. Each facility has the capacity to collect and treat 36 million pounds of carpet each year, making a sizable dent in the waste stream. Aquafil Carpet Recycling is a circular economy focused project where all of the recyclable materials are reused.

Aquafil identifies different streams for the non-nylon elements such as polypropylene and calcium carbonate that are not used to make Econyl yarn to be used by other manufacturers.

Another innovation the company achieved in 2020 was the development of a dual technology that enables the recycling of aquaculture nets, which are used in fish farming. Aquaculture nets, made from Nylon 6, have an antifouling coating in resin and copper oxide which prevents the proliferation of algae and allows them to withstand extreme weather conditions. The new process developed by Aquafil allows the separation of copper oxide from the nets, allowing the recovery of both Nylon 6 and metallic copper that can be recycled and used to create new materials.





## DIGITAL PIGMENT PRINTING ON TEXTILE OUTGROWN FROM INFANCY STAGE!

Source: ZIMMER AUSTRIA Digital Printing Systems Publication

Early adopters have been printers for T-shirt production and other piece goods. With the experience from this market segment, more and more requests are coming for continuous roll-to-roll printing.

The biggest obstacles for industrial scale digital pigment printing have been inks and printheads available in the market.

**What differentiates pigment printing from other technologies like reactive, acid, paper transfer, direct sublimation or disperse printing?**

Reactive printing is suitable to cellulosic, protein and polyamide-based substrates with little blend content of other fibers. Similar is the situation with acid inks with main use on protein



and polyamide-based substrates. Sublimation and disperse printing are of a similar limitation as they are limited to PES or specially coated fibers within the blend.

All multi-fiber blended substrates have one in common: Whatever ink class is used it will fix with one specific fiber and has little affinity to other fibers in the blend.

The real strength of pigment inks is their excellent covering strength. Pigments are reflective particles and neither migrate into the fiber nor re-act chemically with the same. For a good fastness, pigment particles need a cross linker to fix with the fiber.

This makes pigments outstanding from all other ink classes as they can be printed on almost any textile product, no matter if it is constructed of a single fiber or being a multi-fiber blend.

The fixation of the cross linkers (binder) does not need an extra fixation process but can be



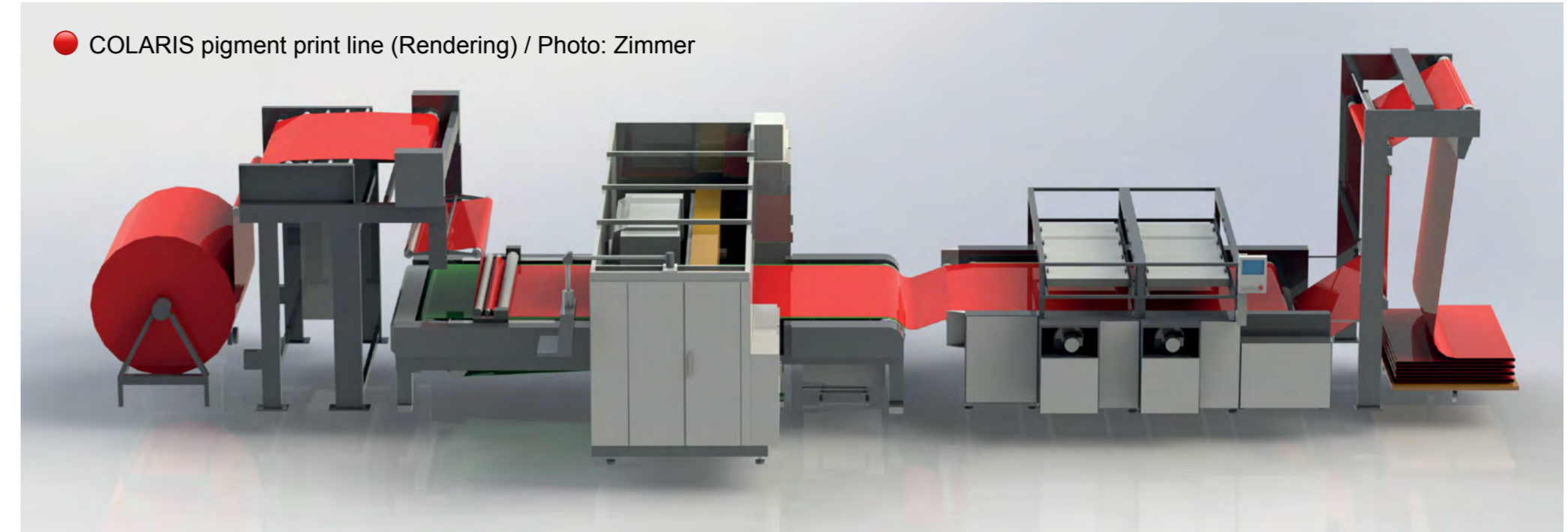
completed in a single pass, right from printing into the drying/curing oven as the binders are activated and polymerized by thermal impact. This results in a drastically simplified process, reduced logistic requirement within the department and a minimized energy consumption.

A further advantage is that pigment prints do not require post print washing. Therefore, the effluent produced throughout print and fixation process is substantially reduced in comparison with other print processes. Digital pigment printing is the most ecologic process for decoration of textile products.

Pigment particles tend to sediment and require stable dispersions to keep all solids floating. To retain a suspension stable over a longer period (shelf life) under environmental conditions (transport, storage) hardly possible to control, is a challenge. Another difficulty is to avoid agglomeration of particles, which may cause clogging of filters, degasers and print-heads.

With the recent developments in ink formulation and the availability of printheads with an ink circulation right at the nozzle plate, this has become manageable and is safe for industrial print production now.

In close cooperation with ink manufacturers,



ZIMMER AUSTRIA has developed a printer generation specifically tuned for all the needs of digital pigment printing. The COLARIS Pigment Printer comes with the FUJIFILM Dimatix Starfire™ GS-1024 printhead with incorporated Versadrop™ grey-scale control and Ready-Jet™ technology.

The latest updated features of COLARIS printers include an individual vacuum setting for each color group. This ensures most stable jetting performance in any jetting fluid (ink) combination being used. The individual vacuum setting feature gives a user independence to choose from inks of different sources. The promise of an open ink system is therefore more in the foreground than ever before.

Selecting the best printhead for an industrial environment was always the main aim of ZIMMER AUSTRIA Digital Printing Systems, as this is the only way to bring the total cost of ownership of a print installation to the right level. Printer owner/operators in general claim that printheads are a substantial cost factor in their product calculations.

Taking the task of cost reduction as our mission, we have selected the FUJIFILM Dimatix Starfire™ printhead. The same is the first and only truly repairable printhead in the market. To help customers to reduce their production costs even further, ZIMMER AUSTRIA has established the Printhead Reconditioning Center and offers service of printheads through a special service agreement. The benefit for customers is a substantial cost saving throughout the life cycle of a printer installation.

### PERFORMANCE OF COLARIS CERTIFIED PIGMENT INKS:



**Pigment application:** For almost any fiber class suitable  
**Fixation:** Recommended is hot, dry air at 160°C for 3 minutes  
**Colors available:** Black, Cyan, Magenta, Yellow, Orange, Red, Violet, Green  
**Light fastness:** 6 and higher on all solid process colors  
**Dry rub fastness:** mostly 4 plus – dependent on fabric  
**Wet rub fastness:** minimum 3 but mostly higher – dependent on fabric  
**Wash fastness 60°C:** Mostly 4 and higher – dependent on substrate and construction of the same

### TECHNICAL DATA COLARIS DIGITAL PRINTING SYSTEM:

- ✓ **Printing widths:** 2200, 3400 mm
- ✓ **Number of color groups:** up to 12 individual colors possible
- ✓ **Color setup:** 4, 6 or mirrored setup possible. Any no. of colors higher than 6, in a single-color setup
- ✓ **Fabric constructions:** knitted, woven, non-woven
- ✓ **Printer Models:** available with max. 12, 24, 48 or 96 printheads. Effective installed printheads will depend on number of colors selected and production capacity required.
- ✓ **Open ink system:** Any ink certified for COLARIS digital inkjet printers can be used
- ✓ **Ink Circulation system:** Permanent ink circulation right by the orifice to eliminate possible sedimentation
- ✓ **Printhead cleaning system:** Highly efficient, automatic printhead and print carriage surface cleaning by means of a spray and vacuum extraction



- ✓ **Open RIP System:** Most RIP systems offered in the market match the requirements of the printer.
- ✓ **Print carriage drive:** Linear motor with permanent position control
- ✓ **Fabric transport system:** Carrier belt with single drive for small capacity and twin drive for bulk production printers with permanent position control/adjustment system
- ✓ **Blanket washing system:** For all production machines a highly efficient spray, brush, drying blanket washer is standard supply.
- ✓ **Optional features:** Automatic printhead calibration system
- ✓ RIP on the fly function
- ✓ Web-Shop functionality
- ✓ Inline pre-treatment application
- ✓ Jetting fluids for functionalization of the substrate
- ✓ Dual ink system for special applications such as military camouflage printing incl. IR remission control

### AVAILABLE LINE COMPONENTS:

- Guiding systems as per requirement of the printing substrate
- Fabric cleaning systems
- Various fabric dryer types, incl. electric IR system or hot air ventilation system heated by direct natural gas, indirect steam or thermal fluid
- Inline fabric inspection
- Fabric plaiter
- Fabric re-batching for small rolls on cardboard tubes
- Fabric re-winding on A-frame

The modular system of CLARIS Digital Inkjet printers allows us to produce tailor-made machines. In case your specific end-product requires a special layout, we will be pleased to discuss and engineer the print line as per your requirement.



# “ Tunisia Textile Industry Has a New Game Changer!

GET MORE INFORMATION →

INTERVIEW WITH  
**Mr Serhan Pul**  
Director of Bridgexpo



## Next Edition of Intertex Tunisia 14-16 October 2021, Sousse

**Please let us know more about Intertex Tunisia, history and success story.**  
To start with, we will be taking a look into the increase of import-export volumes of Tunisia and the reason what makes Tunisia the most important trade hub of Africa. The biggest trade volume in the whole of Africa occurs in the countries which is known as “the Maghreb countries”. If the reports of the last 5 year are examined, it is easily seen that the manufacturing and demand volumes are increasing way faster than many countries in the world in every year.

Tunisia has become an attractive market for international companies like us whose priority is being accelerator to the trade volume and which are investing to Tunisia constantly. After observing the market deeply, and reaching out the conclusion that Tunisia has better trade relations with other countries and better work-ethic compared to the other African countries, we have decided to organize Intertex Tunisia.

And we organized the first edition of Intertex Tunisia in 2018; which can be called as a boutique edition, with the participation of international prestigious companies.

### Could you please share with us some numbers and figures from last year?

As I stated before, it was a boutique edition that was dedicated mostly for B2B meetings. However, with the deep interest, we came across, we agreed on that we are on the right market with the right industry. This has made our team excited for the upcoming editions.

In the second edition, we have organized the textile exhibition with the biggest volume in Africa with around 300 exhibitors/brands from 16 countries and around 9000 professional visitors.

### Why Tunisia market is important for your exhibitors?

If you take a close look into Tunisia, you will see that the Tunisian economy is stronger and more stable than other African countries and its currency is getting stronger in accordance with its rising economy with its business morality. Another important point is that Tunisia has the biggest volume in terms of the export numbers to Europe in the textile industry. Other textile professionals from African countries are also navigating their trade through Tunisia.

### For sure exhibitors and visitors health condition is so important for you. Do you have any special plans for safety and health protocols during the exhibition?

We always keep health above anything else in our all organizations and activities and take necessary precautions. For this reason, we will be welcoming all our guests from different countries with the disinfected vehicle at the airport and lead them to the hotels which we have chosen carefully. And the same service will be available between the hotel and the exhibition ground.

Before the entrance, we will be checking all participants' temperature and oblige the use of a mask. We will be putting the necessary signs inside the hall, indicating the social distance between our exhibitors and visitors. And all our guests can be sure that we will follow all the health conditions and official protocol, given by the health authorities such as area/person ratio.



### Do you have any workshop or conference beside the exhibition?

Workshops and conferences are the best areas to observe the latest trends, to exchange information and they are what keep the textile exhibitions dynamic and alive. For this reason, this year due to the pandemic, we will be focusing on more workshops rather than conferences. However, instead of conferences, we will arrange special sessions with FTTH (Tunisian Textile Federation)

### What do you think about Virtual and online exhibitions, is it a permanent solution or change the future of the exhibition industry?

We are aware of the fact that online exhibitions will be more popular and effective in the upcoming years. And even we were working on simulations for online exhibitions before the pandemic started.

However; personally, I believe that online exhibitions will not provide the same atmosphere and will not be as effective as a real-time exhibition because of not being able to bring people together and interact face to face. Face to face interaction makes the exhibition more beneficial.

However; we are working on organizing a concurrent virtual exhibition along with real-time exhibition for the exhibitors who are not able to participate due to pandemic. They will be able to follow up all the process through an online platform we are working on.

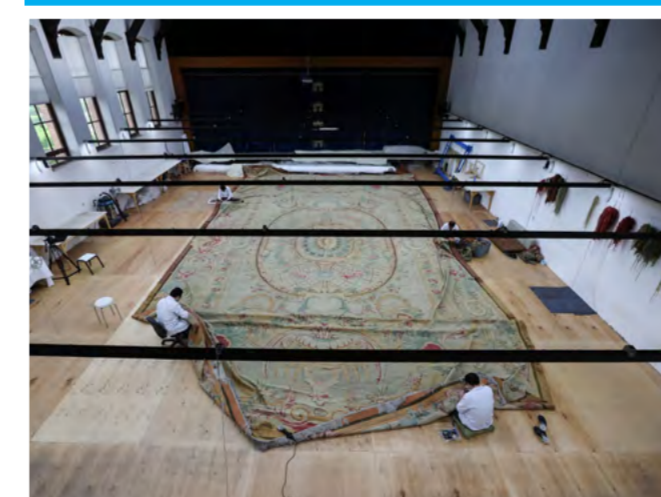


## Largest Carpet in Istanbul's Dolmabahçe Palace Under Restoration

Restoration work has begun on the largest carpet in Istanbul's Dolmabahçe Palace, which was once the residence of crown princes during the final era of the Ottoman Empire. The 124-square-meter Hereke carpet is being meticulously repaired by eight experts in the workshop of the Yıldız Şale Mansion.

The 119-year-old carpet adorns the floor of the Great Ceremonial (Muayede) Hall of the palace, where official ceremonies were held during the Ottoman period. It was woven at the Hereke Imperial Factory (Hereke Fabrika-i Hümayunu) for the hall in 1902 during the reign of Ottoman Sultan Abdülhamid II. The carpet is adorned with embossed rococo patterns and was produced in a European style with Turkish knots.

Mustafa Köksal, who is in charge of the Yıldız Şale Mansion Carpet Workshop, provided information about the carpet: “It is a carpet that has witnessed 119 years of history. Its weight is close to a ton. Some parts of it have been damaged due to the sun. We started working on it four months ago and plan to complete its restoration in eight months in total. We have completed 50% of the repair. After the repairs are completed and the examination is done, we will return it to its place.”



The carpet in the workshop of the Yıldız Şale Mansion, Istanbul, Turkey, June 17, 2021. (Anadolu Agency Photo)

## TECHNO-LINE FLOOR COVERINGS CARPET FINISHING LINE

BRÜCKNER supply any kind of carpet finishing and coating lines from the raw product to the finished article. Depending on the carpet type and the required drying capacity after washing, dyeing or printing, in finishing, coating or laminating BRÜCKNER offers different dryer systems.

BRÜCKNER has decades of experience and competence for the planning and manufacturing of your individual solutions.

- ✓ System know-how for all applications in carpet drying and coating
- ✓ Lines for all kinds of carpets, carpet tiles, needle felt, artificial turf etc.
- ✓ High technological competence
- ✓ Profitable finishing due to an efficient utilization of energy
- ✓ Robust design for a long service life of the lines
- ✓ High drying capacity and low energy consumption
- ✓ Very easy maintenance of the lines with good accessibility
- ✓ Lines with a working width of 1.6 - 6.0m
- ✓ All requested heating media (gas direct/indirect, circulating oil, steam, electricity)
- ✓ Worldwide references

Download Booklet →

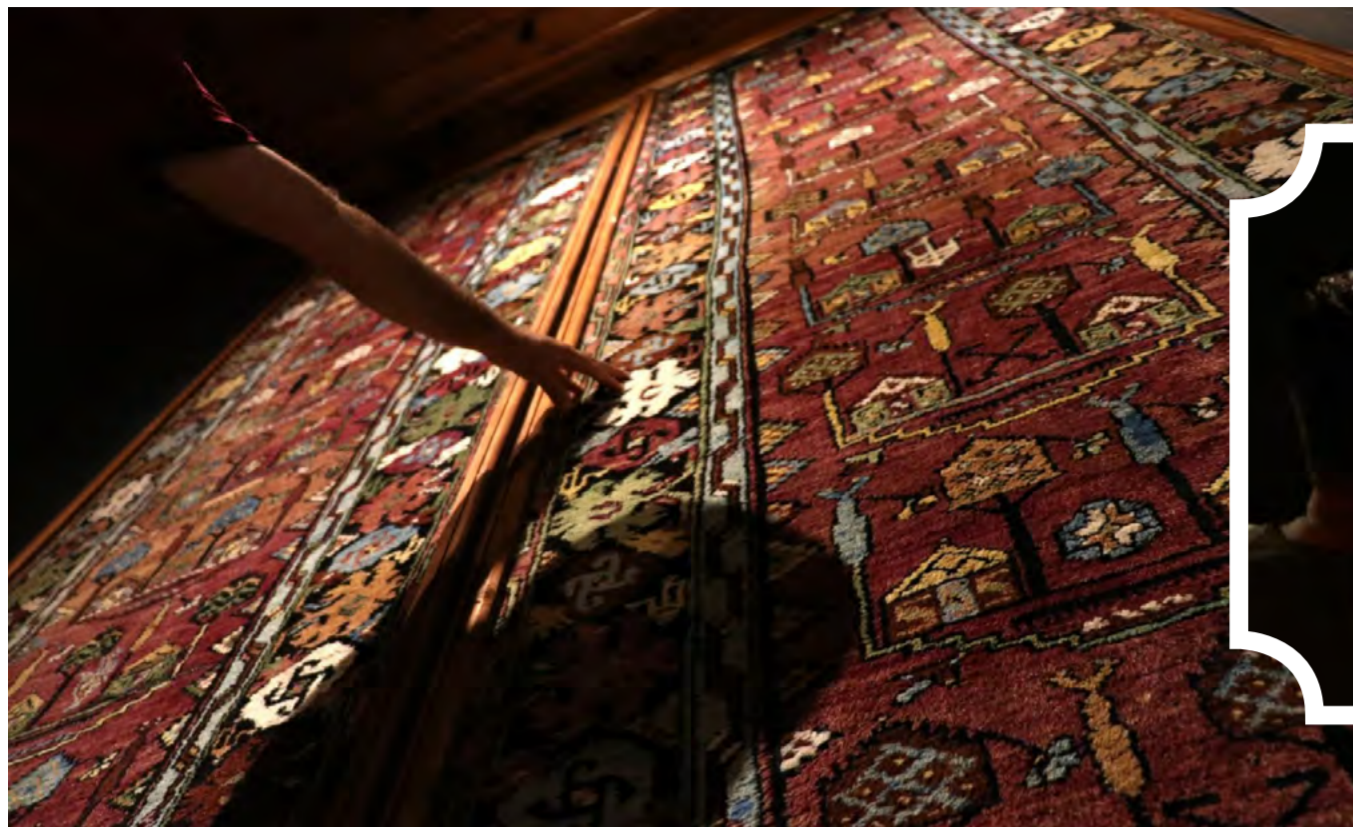


### TECHNO-LINE FLOOR COVERINGS

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## GREEK FAMILY DONATES 100-YEAR-OLD CARPET TO ITS TURKISH HOMELAND

The third-generation grandchildren of a Greek family who immigrated from Konya to Greece in the 1920s donated a handcrafted carpet woven by their grandfather to the museum in Konya's Sille district.

The historical district of Sille, 8 kilometers (4.97 miles) from the city center of Konya, is known for its nearly 5,000 years of history as host to various cultures and beliefs and was a famous center of pottery, carpets and stonemasonry until about two centuries ago.

All of these historical values of the district are now being introduced to visitors at the Sille Museum, where the handcrafted carpet will be exhibited.

The Greek family had immigrated from Sille to Greece a century ago under the Treaty of Lausanne. The handcrafted carpet, which was donated to the Sille Museum through an association founded by the third generation grandchildren of the family, adorns motifs of

the region woven by their grandfathers.

Sercan Yayla, manager of the Museum, said that the historical carpet was one of the important works exhibited in the museum. Yayla stated that the association founded by the grandchildren of the family was trying to keep Sille culture and traditions alive there.

"Christian families here wove it before the population exchange in 1924 because they knew they wouldn't be able to find quality carpets at their destination," Yayla said. "Because they would miss Sille there, they embroidered vineyard houses and pitchers, since pottery is famous here. They embroidered the important places of Sille onto the carpet."

"There is also a stylized version of the cross on the rims," Yayla noted.

"The third-generation descendants of the non-Muslim family living in Greece donated this carpet to our museum to be exhibited in

the land it belongs to. We thank the Moisoğlu family."

Yayla stated that the carpet was very well preserved. "We have taken the necessary precautions to prevent it from being worn-out and deteriorating. We are displaying it as a panel."

"Sille has a very important place in carpet weaving. The astonishment of our visitors grows as they also hear the story of the carpet. The interest shown in this carpet is admirable. It is very nice to display it on the land it belongs to. I wish all our works abroad were exhibited in our homeland," Yayla added.

Handan Bozkurt, who came to Sille from Erzincan, said that she visited the museum by chance. She noted that the museum was very organized and the artifacts were well preserved.

"The artifacts here also attracted the attention of children. We wander around with curiosity. I was very impressed by the story of the carpet. It is such a beautiful thing that it was taken from here, the motifs of Sille were embroidered on it and then it was donated here three generations later ... It has a very beautiful story that will impress people."

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## WHAT IS THE BEST CARPET DESIGN FOR WALL-TO-WALL CARPETS?

By Mehdi Oveisi - DCA • Design Consulting Associates

### What is a Wall-to-Wall Carpet?

Wall-to-wall carpets, also known as “fitted carpets” or “broadloom carpets”, is a type of carpeting which covers a given space in few pieces – or even one single piece – as opposed to several pieces laid out to create your flooring. This is what creates the seamless look for which wall-to-wall carpeting is known. Wall-to-wall carpets can be designed to stick directly on subfloors, but more often, they’re laid on underfelt over the substrate flooring and attached using small tacks.

Wall-to-wall carpeting earns its title from the way it’s manufactured: in long, wide rolls of carpets. Often thought of as the high-quality solution, wall-to-wall carpets works best for projects with big design ambitions or for large floor surfaces.

The memory of icky midcentury shag and synthetic cut pile has left many skeptical of broadloom carpet. But advances in technology are changing some minds.

“One of the biggest developments in the industry has been the rising popularity of hand-woven broadloom carpet that incorporates naturally occurring irregularities normally found in hand-knotted rugs,” said Haynes Robinson, senior vice president of product development at home furnishing retailer ABC Carpet & Homes. “This has contributed to an explosion in materials, constructions and textures in the wall-to-wall format.”

For even more of us, we happen to like the way soft flooring feels under our feet. I’m reminded of how nice it is to walk around barefoot on something soft and cushy.

A striped rug (at a diagonal) to create a separate seating area in the living room. Rugs layered on top define smaller spaces within the room well, too. Layering rugs on top of carpet

is a great way to define space and bring some extra detail into a room without changing the full floor.

Just like any kind of flooring, you can achieve your ideal look and feel with a little research. It can provide a sense of luxury or simplicity, excitement or comfort, and sometimes it’s a better option over the more ubiquitous rug. Wall-to-wall carpet also assists with the flexibility of furniture placement within a room. The advantages of carpets are many. For one, wall-to-wall carpets offer many practical benefits, such as superior comfort, attractive acoustic and thermal qualities as well as greater safety compared to hard surface alternatives.

The material and color are always based around the concept of the home and the lifestyle of the homeowner. Domestically, natural fibers are always a must. Think natural, organic fibers like knobby, knotted wools, mohair, jute or sisal and lush, lustrous cottons, linens, cashmeres and silks.

### Unlimited Plushness

Selecting wall-to-wall carpeting means gain-



ing access to a wide variety of different carpet backing and yarn options, allowing for a degree of plushness other options simply can’t offer. This is attractive, not only for underfoot comfort but also because it reduces back pain from standing and absorbs the impact of foot traffic, allowing the fibres to look better and last longer.

And neutral isn’t the only way to go: Never say no to color, if that’s what your heart desires. Wall-to-wall carpeting often blends into its surroundings on purpose—but making a design statement might actually be the safer route to a stylish look. The floor is your first physical interaction with a space - it matters!

On top of that, flooring often accounts for a major portion of your project budget. You need to be sure you’re making an informed decision that your clients will be happy with for years to come.

The underlay of wall-to-wall is also one of the most important factors. Always opt for a deluxe double-thickness underlay to provide a further look and feel of luxury.

### Advantages of wall-to-wall carpets

Wall-to-wall carpets can be a vehicle for expression. Carpet design can be likened to storytelling. Through your carpet selections and the way you employ them, you set the mood of a space, creating an environment that tells occupants how a space should be used. The colours, patterns or custom designs of your wall-to-wall carpet support your unique story. As there are no modular requirements or unsightly seams that will interfere with your design. When it comes to designing your wall-to-wall carpet, the options are seemingly limitless.

- ✔ Using wall-to-wall carpeting to reinforce a brand image.
- ✔ It can express the personality of a space.
- ✔ Allude to the history of a space
- ✔ Wall-to-wall carpets are a must for large-scale patterning or custom designs.
- ✔ Wall-to-wall carpets generally have that extra touch of quality that you can feel when walking on them and see when looking at the seamless surface.

### The design of your carpet

You’ll choose between three options: tufted, woven or needle punched carpets. While most wall-to-wall carpets are tufted.

### Tufted carpets

Tufted carpets account for 95 % of all commercial wall-to-wall carpets on the market and with a fast production time, lower price and a large variety of different designs, it’s no wonder. Tufted carpets are applicable to most projects, but when superior quality and endurance are of top concern, they might not be the best option.

### Woven carpets

Woven carpets - or carpets produced on a loom - were the only option on the market a little less than 70 years ago. While technological advancement has provided us a sea of other options, woven carpets are still selected today because of their superior quality and durability, particularly with natural materials. Woven carpets are a good choice for a high-end project.

### Needle punched carpets

Needle punched carpets, most often used for things like entry mats, are colorfast, dry quickly and are resistant to sunlight and fading. While practical, they lack versatility regarding look and feel.

### Wall-to-wall carpet styles

Loop pile carpeting achieves a soft and smooth look and feel, through looping yarn. With loop pile carpeting, you can combine higher and lower loops to play with texture and pattern.

Cut pile carpets achieve a more formal, or luxurious look and often appear darker than loop pile carpets comprised of the same yarn type. Cut pile wall-to-wall carpets are created by cutting yarn loops to create an upright pile.

Cut and loop pile carpets, made up of a combination of cut and looped yarns, allow for sculptured effects - such as squares or swirls - and

a wide range of patterns and styles.

### Wall-to-wall carpet fibres

Wool is generally considered a price option. It’s a natural fibre, known for being strong, stain resistant and incredibly luxurious. Soft yet dense, wool provides the utmost in comfort, but also maintains reliable structural integrity. Due to its cream color, wool has a more understated look than fibres, such as nylon.

### Polypropylene (Olefin)

is a synthetic fibre with a similar appearance to wool. It shares similar stain-resistance properties with wool and is highly resistant to fading but is lacking regarding durability.

Nylon is the more cost-effective option for your wall-to-wall carpet. A polyamide, nylon, is known for resilience, durability, and comfort. Nylon is static-free, resistant to staining and maintains its fibre height very well. As such, it’s not hard to understand why it’s such a popular option. Nylon is easily identifiable by its sharper, glossier finish.

Polyester, also known as a less expensive option, is another kind of synthetic fibre. Rather versatile, polyester has a long history of being used in carpet manufacturing but is generally considered to be a lower-quality choice, compared to nylon. Technological advancements, however, have increased the fibre’s durability to an extent.



### Recycled materials

Fibres made from recycled materials, such as fishing nets and other forms of industrial nylon waste, are increasingly gaining in popularity. Generally thought of as a mid-range price option, recycled materials are a sustainable, durable and attractive option if you want to improve your environmental footprint with wall-to-wall carpeting.

### Considering Acoustics When Designing Your Wall-to-Wall Carpet

A major consideration for many projects is acoustics. For projects such as offices, restaurants, school, hotels, etc., acoustics are a top concern. With its natural sound absorptive properties, wall-to-wall carpets are a great choice when it comes to cutting down on noise.

The acoustic performance of a carpet, though, is also dependant on the padding, or carpet backing used beneath it.

For projects where sound absorption is a main concern, it is important to know about acoustic properties and consider the following:

Carpet can be paired with heavy-duty carpet backing, namely, acoustic-optimised carpet backing to bolster sound absorption properties.

The more permeable the carpet backing, the higher the noise reduction coefficient (NRC). Cushion underlays with greater thickness and higher weight also improve the NRC.

### Carpeting for hospitality projects

Whether designing for hotels, restaurants, bars or clubs, designing for the hospitality industry means designing for experience. Designing for hospitality means captivating patrons from the moment they enter - and what better way to do this than by designing the surface or carpet they step on to.

### Carpeting for office projects

A top priority is creating an attractive acoustic environment. This is especially important in open office plans, where excessive noise can impede productivity. For many offices, though, designers are going beyond the functional and are even using wall-to-wall carpeting to increase brand awareness - as a means to increase morale and align goals.

Further, carpets for offices can be used as a cue to employees on how the space should be used, delineating break-out areas or facilitating wayfinding. Google’s European headquarters, for example, features different carpet zones with specific moods and uses, in order to stimulate innovation.

### Wall-to-Wall Carpet Trends and Design Inspiration

Wall-to-wall carpets have experienced a resurgence in popularity. Designers are using carpets as the anchor of their design, building out around it. While hard surfaces were once a must for high-end design, we see more and more that designers are trading in wall-to-wall carpeting for the color, comfort and warmth that carpet can provide.

13 – 16 JANUARY 2022

**NEW FORMATS AT DOMOTEX 2022: INNOVATIVE, INSPIRATIONAL AND INFORMATIVE**

**DOMOTEX**  
COVER NEW GROUND



**D**OMOTEX 2022 opens its doors in Hannover from 13 to 16 January with numerous innovations. Deutsche Messe has used the pandemic timeout to adapt the world's leading trade show for carpets and floor coverings to changing market conditions and develop it strategically.

Hannover, Germany. DOMOTEX 2022 opens its doors in Hannover from 13 to 16 January with numerous innovations. Deutsche Messe has used the pandemic timeout to adapt the world's leading trade show for carpets and floor coverings to changing market conditions and develop it strategically.

The most important aspect is the so-called 2-world-concept with the division of the trade show structure into the two labels 'Carpets & Rugs' for carpets and mats (Halls 2-7) and 'Floor & Wall' for floor coverings and wall products for the parquet, carpet and resilient LVT segments (Halls 11-13). In addition, many new formats await exhibitors and visitors alike in the halls.

"There will be lots of new elements to discover at our next DOMOTEX. We have used the last year intensively to develop new participation opportunities for companies and to create a new brand experience for visitors. The exchange with all market participants was and still is extremely valuable for us. Several discussions and roundtable talks with exhibitors, as well as visitors and our media partners have supported and accompanied us in this conceptual phase. The 'new' DOMOTEX offers everyone involved plenty of scope for experience, orientation, innovation and inspiration, but also, of course, access to new customers, partners and suppliers," explains Sonia Wedell-Castellano, Global Director DOMOTEX, Deutsche Messe AG.

**New space for inspiration**

The upcoming DOMOTEX will offer new for-

mats and new places to be in all product areas. These include the new Mood Spaces, six booths designed by interior designers that represent current trends and express the interaction between floors and walls on the one hand and interior design on the other. The Spaces are a source of inspiration for furniture trade and contractors and, in the spirit of the concept store formats, show which products in combination can form a themed world. The Mood Spaces for the residential sector will be located in Hall 7 and in Hall 13 for the contract sector.

Also new on board are the Material Selections, which provide an overview of the most important application and trend topics for architects, interior designers and contractors, but also for trade and industry partners. The Material Selections for wall and floor coverings offer orientation and inspiration and, thanks to corresponding manufacturer's references, make it easier to find products at DOMOTEX. These material collections are available for the topics of healthy living, recycling, hygiene and health, outdoor, acoustics and colour.

The product range of DOMOTEX will be complemented by interior finishing products such as wall and acoustic panels and wallpaper. As a new hub for manufacturers with corresponding products, the Wallroom in Hall 13 offers a new and central place to be. DOMOTEX is thus creating a new low-threshold offering for manufacturers of wall products.

The Retailers' Lounge is the new meeting place for retailers in which to enjoy the exchange among experts on equal terms. It is also a source of inspiration for retail visitors, as the lounge will be directly integrated into the Mood Spaces.

Practical knowledge, new technologies, tools and materials are what counts in the Application and Installation Technology (FloorTec)

area. The new Craft Attack Guide provides a well-structured overview of offers and live demonstrations for the craft industry.

One of the highlights in this part of the show is the Workcamp Parquet – an association of internationally experienced parquet masters who are committed to the topic of promoting young talent. The Workcamp Parquet is dedicated to the reconstruction of old parquet flooring and emphasizes the use of original techniques. During DOMOTEX the international team will be demonstrating this traditional craft in various live demos over the course of three days (from January 13 to 15) in Hall 12.

**New Nominees – New Winners**

For years, the international Carpet Design Awards (CDA) presented by COVER and HALLI Magazines, as well as the Parkett Star and Carpet Star presented by SN-Verlag, are part of DOMOTEX. This tradition continues next year, as designers and manufacturers will be honored with these awards.

For the first time, the CDA will also include carpet designs from non-exhibitors. This gives visitors an even broader overview of international trends and designs in the product segment of fitted carpets. In addition to and surrounding the CDA other special events will take place such as the CDA Forum or a special event for oversized carpets organized by Iranian designer Lila Valadan.

DOMOTEX 2022 will take place as a hybrid event in Hannover from 13 to 16 January. The new hybrid concept offers numerous digital services and participation opportunities for exhibitors and visitors, and enables everyone who cannot attend live for various reasons to participate digitally.

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## Swiss testing company Testex opens offices in Madagascar & Mauritius



Testex, an independent Swiss testing and certification organization with focus on textile and leather testing, has announced the official opening of its Mauritius and Madagascar representative offices.

According to the company, textile industry has been a pivotal sector in the economies of both countries and has been on the rise in recent decades.

Both locations have officially started trading recently as the official and national representatives of Oeko-Tex, as the company stated in a press release.

“Both Mauritius and Madagascar show an immense growth potential in the apparel industry and have already proven their importance in the international export and investment sectors. With the increasing demand of Oeko-Tex products, such as the Standard 100, STeP and Made In Green, it is the perfect time for Testex to branch out into the African regions. We are happy to deliver our premium services in two more countries with great economic potential and a strong textile industry,” Testex said in the release.

“Recent statistics show that clothing and textiles are the most valuable export goods from Mauritius and that they provide the majority of all

manufacturing employment in large enterprises. These developments have convinced us that now is the right moment for Testex to expand to the southeastern coast of the African continent,” the company added.

“Hemraj Ramnarain, who is mainly based in Mauritius, is the sales officer in charge of both representative offices. With his strong background in chemical and renewable energy engineering, Ramnarain wants to highlight the importance of transparency throughout the supply chain regarding environmental and social factors. The goal is to make labels and products which support this process, such as STeP and Made In Green, accessible and available for customers from all regions of the world,” the company said.

“At the end of last year, Madagascar ranked first among all sub-Saharan African countries in textile exports to the EU and the United States. This potential and the amount of skilled labour on the island were two of the main reasons why Testex has decided to expand to this part of the world,” Testex added.

“We strongly believe in the potential of these two representative offices and are looking forward to a successful and sustainable future with new customers and partners,” the company concluded in the release.



## European requirements for testing and classification of the burning behavior of floor coverings

European requirements for testing and classification of the burning behavior of floor coverings

Testing and assessment of reaction to fire performance of construction products (including, but not limited to, floor coverings) is uniformly regulated within the European Union (EU) and the European Economic Area (EEA), whereby the testing of floor coverings is in accordance with EN ISO 9293-1 (Radiant Panel Test) and / or EN ISO 11925-2 (Single Flame Test), and the classification is to be carried out in accordance with EN 13501-1.

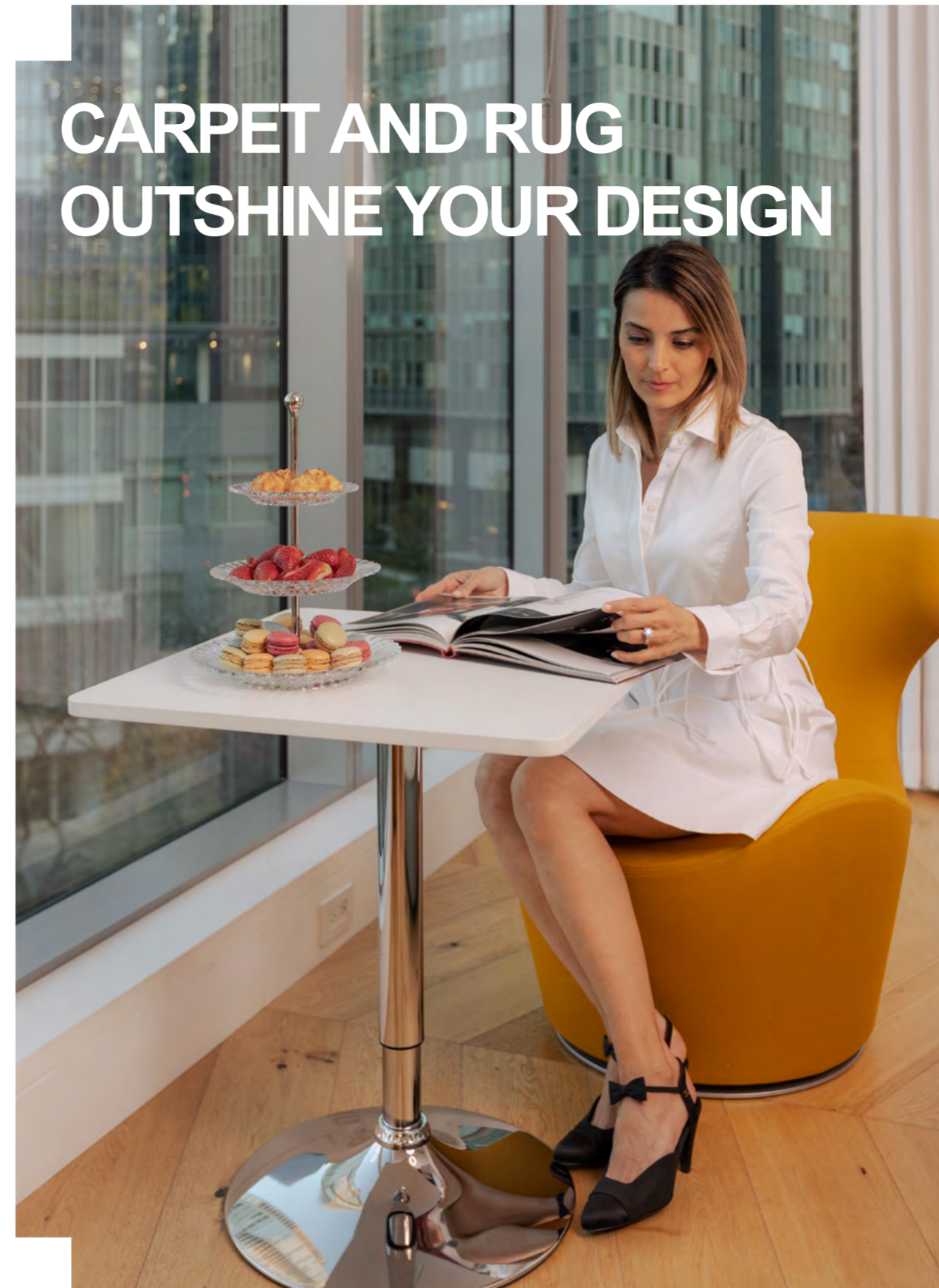
The burning behaviour of floor coverings is expressed in classes A to F, with subscript fl (fl stands for flooring), where classes A (A1 and A2) are “non-flammable”, classes B and C are “low flammability”, classes D and E “normally flammable” and class F is “easily flammable”.

In addition to the fire behaviour, an indication of the smoke development (smoke emission) is also made in the classification; the suffix “s1” means “low smoke emission”, the suffix “s2” stands for “strong smoke emission”. Thus, the former designation “hard-to-burn / low-smoke” (B1/Q1) in Austria, fire index 5.3 in Switzerland and B1 in Germany is now expressed by the European classification “Cfl-s1” or “Bfl-s1”.

Regarding the required fire classes for the individual types of buildings and areas of application, there is no unique European regulation; here, the respective national regulations still apply.

However, it can be assumed that, at least for most public areas, a Cfl-s1 classification is required, while for private areas the fire classes Dfl and Efl are usually sufficient. In that context, it should also be noted that construction products with the fire classification F are generally prohibited or severely restricted in some Member States.

## CARPET AND RUG OUTSHINE YOUR DESIGN



effect. This is the least I can do, and I know what an important role it might have.

I design an interior space from scratch including materials and fixtures. Doing renovations on any scale. Coordinating with an architect from the start-up sketches to build a house from the ground up, such as furniture layout, kitchen and closet design, bathrooms, bedrooms, and stairs.

Art positioning, decoration, and even minor cosmetic changes are among the services I provide. I have started from Iran and Dubai 14 years ago, then I moved to Canada-Vancouver and now it has been almost 4 years I am doing interior design and architecture here.

Due to COVID, I couldn't be able to go back to Middle-east and do more projects because of travel restrictions, but it was a very busy era in our field.

The pandemic has caused a sea change in how we live, work, and recreate. As a designer I have always designed a home office but never thought my clients might ever work from there 5 days a week! Patios are playing a much more important role in people's lives as they spend more times at home and need to breath a fresh air in their breaks! Most people have decided to move to houses or townhomes to get a privacy in their basement to work!

Pandemic made us to rethink the importance of where we live. It not only should shelter us but more importantly should have the function and the meaning.

Shima Javan, founder, and principal of Shima Javan Interior Design is a Persian - Canadian interior architect and designer, doing both residential and commercial projects.

“I have had a passion for design and decoration since I was a teenager and loved to accompany my dad while visiting his architectural projects and I was craving to learn from him.

We used to travel a lot and I derived a lot of inspiration from Iranian contemporary architects, artists and designers and extended it by traveling more often to Europe. Visiting architectural sites around the world instilled within me a desire for creating beauty and uniqueness.

**My love for interior design is evident in my precise attention to detail and inspiring sense of harmony and aesthetics. I like things that are glamorous. Rug is one of those. Rug can outshine your de-**

**sign. They can be a game changer on how a room looks and feels. They can be harmonious with your room or can add an element of amazement to a space. You can introduce pattern and colour with your chosen rug and add warmth and character through it. They not only provide a decorative element but can be the perfect solution to sound absorption especially if you have hardwood or tiled floors.**

However, it's necessary to select a sustainable and eco-friendly carpet to help our planet. To me a sustainable carpet will, ideally, be manufactured by use of recycled and natural raw materials.

Wool carpet, cotton or sisal can be great examples. I feel so responsible for my clients as they are part of the mother planet, and we all need to take care of it by playing even a small role. I try so hard to pick materials in my designs that has no harm to the planet or at least has a very minimum

### Iran Handmade Carpet Exhibition 2021

Iran Handmade Carpet Exhibition will be held from 22 to 28 Aug 2021 in Tehran, Iran. Iran Handmade Carpet Exhibition is one of the world's most important and biggest events in the art/industry of handmade carpets. This exhibition is a professional showcase in demonstrating and providing handmade carpets. Iran National Carpet Center, as the sponsor and organizer of this important event, provides special facilities and options for foreign businessmen who are active in the handmade carpet sector. Last year trade visitors from South Africa, Japan, Croatia, Brazil, India, Germany, Denmark, Serbia, Romania, Uruguay, Russia, Azerbaijan, Uzbekistan, UAE, China, Kuwait, and Sweden among other countries participated in this exhibition.



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## MOHAWK INDUSTRIES, INC. ANNOUNCED 2021 SECOND QUARTER NET EARNINGS \$336 MILLION



**M**ohawk Industries, Inc. (NYSE: MHK) announced 2021 second quarter net earnings of \$336 million and diluted earnings per share (EPS) of \$4.82.

Adjusted net earnings were \$310 million, and EPS was \$4.45, excluding restructuring, acquisition and other charges. Net sales for the second quarter of 2021 were \$3.0 billion, up 44% as reported and 38% on a constant currency and days basis. For the second quarter of 2020, net sales were \$2.0 billion, net loss was \$48 million and diluted loss per share was \$0.68, adjusted net earnings were \$26 million, and EPS was \$0.37, excluding restructuring, acquisition and other charges.

For the six months ending July 3, 2021, net earnings and EPS were \$573 million and \$8.18, respectively. Net earnings excluding restructuring, acquisition and other charges were \$556 million and EPS was \$7.94. For the 2021 six-month period, net sales were \$5.6 billion, an increase of 30% versus prior year as reported or 23% on a constant currency and days basis. For the six-month period ending June 27, 2020, net sales were \$4.3 billion, net earnings were \$62 million and EPS was \$0.87; excluding restructuring, acquisition and other charges, net earnings and EPS were \$146 million and \$2.04, respectively.

Commenting on Mohawk Industries' second quarter performance, Jeffrey S. Lorberbaum, Chairman and CEO, stated, "In the quarter, we generated the highest quarterly sales of any period in our company's history. Our revenues increased significantly over last year, when the pandemic interrupted the global economy. Our second quarter results were significantly stronger than we had anticipated across all our businesses with sales building on the momentum from our first period. In the quarter, our EPS was the highest on record for any quarter and our operating margin expanded to its highest level in the last four years as we leveraged our operational and SG&A expenses. The actions we have taken to simplify our product offering, enhance our productivity and restructure our costs are benefiting our results. We have delivered almost \$95 million of the anticipated \$100 to \$110 million in savings from our restructuring initiatives. Across the enterprise, we continue to respond to rising material, energy and transportation costs by increasing product prices and optimizing manufacturing and logistics.

"During the quarter, most of our manufacturing ran near capacity or were limited by material supply and labor availability. Raw material constraints in many of our operations led to unplanned production shut downs during the period. Overall, we successfully managed these interruptions that impeded our normal operations as well as regional manufacturing and customer closings related to Covid reg-

ulations in local areas. Our inventory levels increased slightly in the period, primarily reflecting higher material costs. Rising freight costs and limited shipping capacity impacted our material costs, availability of imported products, local shipments to customers and international exports. Presently, we do not anticipate near term abatement of these constraints.

"All of our markets continue to show strength with robust housing sales and remodeling investments across the world. Commercial projects are increasing as the global economy improves and businesses gain confidence to expand and remodel. Inventory levels in most channels remain low, and our sales backlog is above historical levels. To improve our sales, mix and efficiencies, we will introduce more new products with enhanced features and lower production complexity in the second half of the year. To alleviate manufacturing constraints, we have approved new capital investments of approximately \$650 million to increase our production with most taking 12 to 18 months to implement. In the second quarter, we purchased \$142 million of our stock at an average share price of approximately \$208 for a total of \$827 million since we initiated our purchasing program. With our strong balance sheet and historically low leverage, we are reviewing additional investments to expand our sales and profitability."

"For the quarter, our Flooring Rest of the World Segment's sales increased 68% as reported and 50% on a constant currency and days basis. The segment's operating margins increased from 5.9% to 19.7% as reported. The increase was due to higher volume, pricing and mix improvements and a reduction of Covid restrictions partially offset by inflation. All our major product categories improved significantly during the period as residential sales expanded in all regions. We have implemented multiple price increases in most product categories to cover inflation in materials and freight. Raw material supplies are problematic and have impacted our LVT production and sales the most. We anticipate material and freight challenges will continue to impact our business in the third quarter. Sales of our high-end laminate continue to grow dramatically as our proprietary products are being widely accepted as a water-proof alternative to LVT and wood. We recently completed the acquisition of a laminate distributor in the U.K. that will improve our position in the market. Our LVT sales growth was strong during the period and could have been even higher if material shortages had not interrupted manufacturing. We are significantly expanding sales of our rigid LVT collections with our patented water-tight joints that prevent moisture from penetrating the floor. Our sheet vinyl sales rebounded strongly as retail stores opened in our primary markets. Our sheet vinyl distribution in Russia has expanded, and we are maximizing production to meet the growing demand. Our Australian and New Zealand flooring businesses delivered excellent results with sales and margins exceeding our expectations. Carpet sales are strengthening with the launch of new high-end wool and triexta collections that improved our mix. To expand our existing insulation business in Ireland and the U.K., we have signed an agreement to acquire an insulation manufacturer, which is pending government approval. Our panels business is running at full capacity and so far we have been able to manage material shortages without interruptions to our operations. To enhance our panel offering, we are commissioning a new line to create unique surfaces and visuals to differentiate our offering in the market."

## AMERICANS AND AFRICANS FLOCKED INTO CNR MOBILYA



CNR Mobilya appeared on the stage with the enormous interest of Americans and Africans. International visitors constituted 60 percent of the total visitor number on the first day of the exhibition, lasting until 18:00 on Sunday, August 8.

CNR Mobilya boosted the morale of the domestic exhibitors, intending to enhance their trading activities via the exhibition. Particularly Americans and Africans flocked into the exhibition and attracted broad attention.

The world's biggest furniture only and Turkey's only international furniture exhibition, CNR Mobilya – 17th International Istanbul Furniture Fair, opened its doors to exhibitors and visitors. Drawing great interest as the first exhibition organized in the post-pandemic era, the exhibition was flocked particularly by Americans and Africans. International buyers constituted 60 percent of the total visitor number on the first day of the exhibition.

CNR Mobilya, ranked among the world's top exhibitions dedicated to furniture on figures, welcomes more than 1.600 domestic and international brands from 135 countries and over 150 thousand buyers. The exhibition captures attention with the buyer delegations from America and Israel this year. One of the world's major furniture manufacturers, China, has undermined its image and trust during the pandemic era, which has resulted in many countries, such as the USA and Israel, preferring Turkey for their trade activities. The USA, performing annual furniture import of 60 billion dollars and naming Turkey as the new trade base, will conclude new and long-lasting trade agreements at CNR Mobilya.

Gathering professionals of the furniture industry, the exhibition will welcome top furniture buyers including from China, the USA, Germany, Italy, India, Poland, the UK, Japan, France, Vietnam, Turkey, Brazil, Malaysia, Russia, Mexico, and South Africa once again in 2021.

CNR Mobilya, hosted the most comprehensive buyer delegation organization in Turkey through "Hosted Buyer" programmes by CNR Holding. International company representatives with high purchasing power will participate in "B2B Matchmaking Programme for Buyer Delegations".

### CNR Mobilya upgraded the industry to the next level

The unique meeting point of the global furniture industry, CNR Mobilya, broke another ground with the record number of visitors. Africa, Kazakhstan, Azerbaijan, Russia, Germany, the USA, Israel, the UK, Qatar, Tunisia, Somalia, and Ethiopia showed great interest in the exhibition, which enabled the exhibiting companies to grasp new market opportunities in the global arena.

The only international furniture exhibition organized during the pandemic era in 2021, CNR Mobilya – 17th International Istanbul Furniture Fair once again fulfilled the expectations of exhibitors and visitors. A record number of visitors flocked to the exhibition, greeting industry professionals from all over the world. Welcoming visitors at CNR Expo Istanbul Expo Center for 6 days, the exhibition rendered trading of over 2 billion dollars.

### A flock of visitors from Iraq and Africa



Organized by CNR Holding subsidiary, Istanbul Trade Fairs, CNR Mobilya welcomed over 500 companies and thousands of buyers from 135 countries, including Europe, the Middle East, the Far East, North Africa, Africa, America, Italy, and Russia. Visitors from Qatar, Iraq, Sudan, Tunisia, Saudi Arabia, Russia, Kazakhstan, the CIS countries, Germany, Israel, and the USA flocked to the exhibition, grabbing the attention of industry professionals, particularly from Iraq and Africa.

### Presentation of innovative products at the special sections

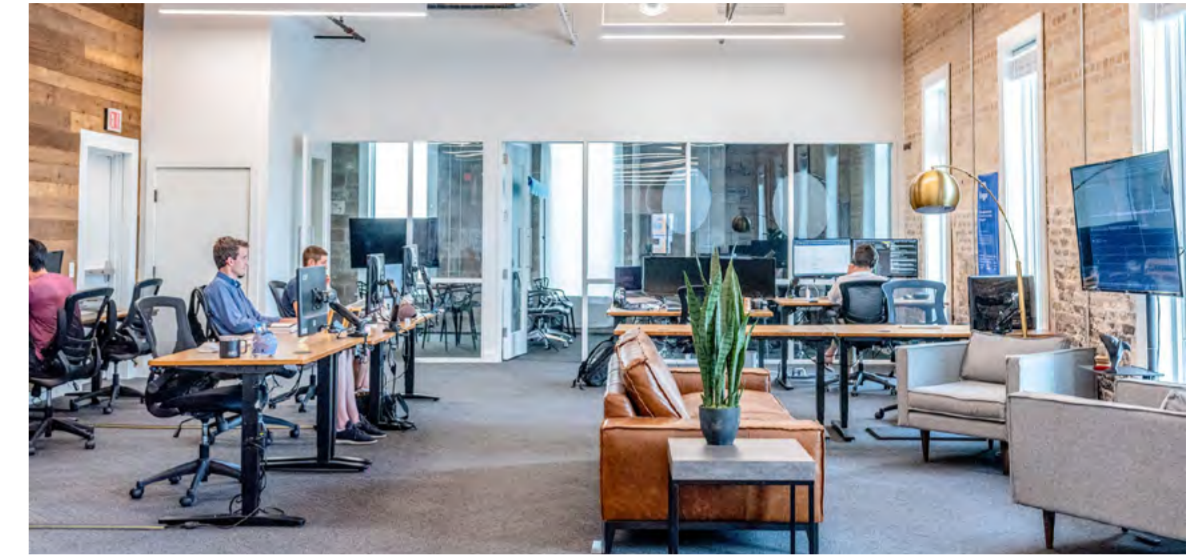
The world's top-notch companies displayed their exceptional products at the exhibition, drawing enormous attention with the first editions of Lighting Special Section and Upholstery Special Section. Bringing trade activities into prominence, the special sections presented industry-related innovative solutions to domestic and international visitors.

### 18TH INTERNATIONAL ISTANBUL FURNITURE FAIR

18th International Istanbul Furniture Fair, blending brand new designs and unique concepts between June 28-July 3, 2022. The world's biggest furniture only and Turkey's only international and unrivaled furniture exhibition in terms of the number of exhibitors & visitors and trade rate, CNR Mobilya, will create an ideal trade platform that industry leaders prefer to reach their target markets and contact professional buyers.



## HOW ANTIMICROBIALS BENEFIT THE COMMERCIAL ENVIRONMENT



Though many cleaning protocols have changed around the world since 2020, keeping public spaces clean has always been two things: a priority, and a challenge. The high-touch surfaces of communal equipment can make items across restrooms, offices, restaurants, and public recreation facilities increasingly susceptible to microbial growth. As these spaces begin to meet their normal capacity again, patrons can experience different levels of concern surrounding the cleanliness of their environments.

On the flip side, business owners are faced with unrealistic cleaning protocols, left to constantly disinfect common touchpoints. At times, it can be hard to keep up.

Limitations of the disinfectant cycle Shared items like credit card terminals, handles, steering wheels, and public seating are constantly disinfected to preserve cleanliness, but disinfectants are limited in their ability to preserve a continuous clean. Once bacteria are killed on a surface, microbes in the air immediately re-contaminate surfaces and begin to reproduce, potentially doubling in number every 20 minutes.

For the common touchpoints and surfaces of commercial environments, it can be hard to achieve an ideal level of clean with normal cleaning practices. With frequent recontamination by handling, contact with food residues, moisture, and more, products need a holistic cleaning approach, beginning

with built-in protection.

### Built-in antimicrobial protection: level up your cleaning systems

Keeping up with ever-increasing bioburdens on high traffic and high touch surfaces can seem impossible – that's why the most effective solution is a combination of built-in antimicrobials and routine cleaning practices. Products treated with a built-in layer of antimicrobial technology are continuously protected against the uninhibited growth of microbes, leaving the surface cleaner, fresher, and more durable.

Antimicrobial technology is integrated at the stage of manufacture, so lasting protection becomes an inherent feature of the product that extends its useful lifetime. It is this added invisible layer of protection that serves as the foundation to a systems approach to clean, complemented by regular cleaning practices.

Saving businesses time and money, antimicrobial technology reduces the stress and worry surrounding clean, extending products' usable lifetimes, and protecting against stain and odor causing bacteria.

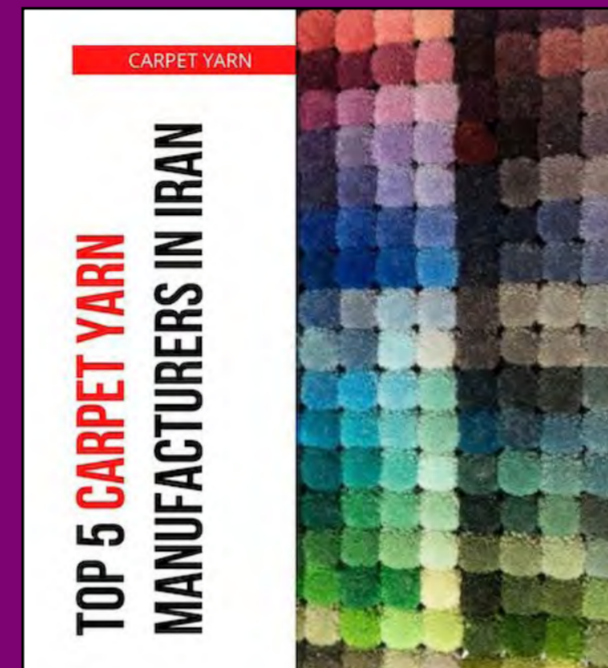
With 64% of consumers willing to pay more for products with built-in antimicrobial protection for their own homes, this key feature is soon to be expected in shared spaces.

See more in [Microban Web site...](#)



Blue Line - periodic disinfection of an untreated surface  
Orange Line - effect of a treated surface preventing organism growth

Disinfectant vs Microban Antimicrobial Protection Graph 2019



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