

# MENA Carpet News

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AND MANUFACTURING**

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## DHL GF TO SUPPORT EGYPTIAN CARPET SUPPLIER'S EXPORT



DHL will manage Oriental Weavers' export of carpets and rugs from Egypt to across the world

The world's largest producer of machine-woven carpets, Oriental Weavers Group (OW Group), has chosen DHL Global Forwarding (DHL) as its logistical partner for global supply.

DHL will distribute OW Group's products via air and ocean freight primarily to the United States, Europe and across the Gulf region, including managing all corresponding customs clearance processes.

Headquartered in Egypt, OW Group has manufacturing facilities across three countries and is one of the most

recognised brands in the industry, especially in the tufted and jet-printed rugs and carpets category.

DHL Global Forwarding recently announced that it would be neutralising the carbon emissions of all less-than-container load (LCL) ocean freight shipments from 1 January 2021.

"As we continue to progress towards our net-zero logistics-related emissions targets, it is exciting to be able to find a like-minded partner in Oriental Weavers as we work to not only grow their international market share, but to do so in a sustainable manner that can make a difference to the climate agenda," said Magued

Ragheb, Country Manager, DHL Global Forwarding, Egypt.

The value of Egypt's exports of carpets and other textile floor covering was \$310.09 million in 2019 and despite the impact of weakening global supply chains on the textile sector, a key component of the Egypt's Gross Domestic Product (GDP), Egypt's GDP is expected to rebound to pre-COVID-19 levels by 2022.

Industry observers are optimistic that the economy will be boosted by economic and structural reforms, and the logistics sector will play a vital role to support exports and economic recovery.

Ahmed Abd El Aleem, Group Logistics Senior Manager, Oriental Weavers Group said: "Oriental Weavers remains committed to sustainable manufacturing as we navigate a challenging, yet positive business landscape. While we continue to grow our global footprint, it is critical that we have a strong logistics partner like DHL to ensure our supply chains are green, resilient and uninterrupted.

"DHL has both the expertise and global network, but it is even more important that we share a common vision towards attaining long term sustainable growth."

## POSTPONEMENT OF DOMOTEX USA 2021

Hannover Fairs USA (HFUSA), the organizer of DOMOTEX USA, announced the trade show scheduled for March 1-3, 2021, will be postponed.

The decision was based upon several factors, including the results of extensive market research as well as ongoing global conditions.

In the months following the 2020 event, an outside research firm conducted an in-depth market study including a survey and interviews with floor covering retailers, distributors and other flooring professionals (inclusive of previous DOMOTEX USA participants) intended to help the organization further understand the industry's needs, with the ultimate goal of adding more value to the show experience.

"We were pleased with the research results, which indicated a continued need and desire for the DOMOTEX brand in the U.S.," said Donna Busse, show director of DOMOTEX USA at HFUSA. "With this new insight, we look forward to using the remainder of 2020 and 2021 to develop a show that will incorporate strategic changes for an even better and improved experience for both exhibitors and attendees.

"We would like to thank all stakeholders, partners and interested parties for your support of DOMOTEX USA and we look forward to welcoming you back at the next show," Busse concluded.



**MIC - Manifattura Italiana Cucirini SPA**  
Via Spineta, n.61  
37050 Vallese di Oppeano - Verona  
Phone: +39 045 7134725  
FAX: +39 045 7134104  
E-mail: [mic@micspa.com](mailto:mic@micspa.com)

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+905392346324  
[info@kohanjournal.com](mailto:info@kohanjournal.com)





## IRANIAN ARTIST WEAVES IRAN-IRAQ FRIENDSHIP TABLEAU RUG

Orumiyeh Province - Iran - Khoy's City director of Industry, Mine and Trade Amir Jafari said on Sunday that carpet weaving artist from this city has woven Iran-Iraq friendship tableau rug and will deliver it to the courtyard of Hazrat Fatima (A.S) in Najaf, Iraq after the unveiling.

Jafari said that the tableau rug was woven in the city of Dizaj Diz, Khoy County, West Azarbaijan Province of Iran to show unity between the two brothers and Muslim nations.

Referring to the texture characteristics of this work, he added that the size of this tableau rug is one meter and 90 cm, which is woven by using 2 natural colors, 40 silk colors, and woolly colors.

## IRAN'S HANDWOVEN CARPET EXPORT UNCHANGED DESPITE CORONAVIRUS EPIDEMIC

The head of Iran National Carpet Center said despite all the sanctions and the coronavirus outbreak, the export of handwoven Iranian carpet has not decreased.

In 2019, the entire valude of the exported handwoven carpets to the world stood at 800 million dollars, 73 million dollars of which was the share of Iran, Farahnaz Rafe' told IRNA on Friday.

Hoping that the current policies will guarantee Iran's sustainable leadership role in this are-in-dustry, Rafe' referred to some difficulties in selling handwoven carpets under the pressure of sanctions and the spread of the coronavirus.

Referring the plans to complete the production chain of handwoven carpets in Iran, she said Golestan Province, northern Iran, is to pilot the plan. It will be started soon.

She also said that the wool produced in certain Iranian counties, like Zabol, eastern Iran, has the same quality as the one taken from Australia's merino breed.

She also said that in the coronavirus time, an online exhibit is being organized.

She went on to say that more than 1,200,000 people are directly and indirectly engaged in the production of handwoven carpets, which is programmed to double, adding from among the above-mentioned number, more than 191,500 people are professionally-engaged in the production.

There are about 103 carpet weaving complexes, 5,021 centralized and non-centralized workshop, 1,923 cooperatives, and 40,933 corporations in this art-industry in Iran.



## TURKEY RECORDS DECLINE IN CARPET EXPORT IN 1H2020

Export of carpets from Turkey to world markets dropped by 10.9 percent from January through June 2020 compared to the same period of 2019, having made up slightly over \$1 billion, Turkish Trade Ministry told Trend, According to the ministry, Turkey's export of carpets abroad for the reporting period amounted to 1.4 percent of the country's total export for the reporting period. "In June 2020, Turkey exported carpets worth \$195.1 million to foreign markets, which is 47.3 percent more compared to June 2019," the ministry said.

Turkey's export of carpets to world markets in June this year amounted to 1.4 percent of the country's total export.

During the last twelve months (from June 2019 through June 2020), Turkey exported carpets worth over \$2.4 billion.

In May 2020, Turkey's export of carpets to world markets amounted to slightly over \$117.3 million, which is 50.2 percent less compared to May 2019, making up 1.2 percent of the country's total export.

From May 2019 through May 2020, Turkey exported carpets worth over \$2.3 billion.

## DOMOTEX 2021 POSTPONED

**NEW DATE: 18 - 20 MAY 2021**

## DOMOTEX Adjusts Date to 18 to 20 May 2021

Responding to market requests, the date of the world's leading trade show for carpets and floor coverings in May has been brought forward by two days. Following the postponement of DOMOTEX from January to May 2021, exhibitors from the D-A-CH region have expressed reservations about holding the event including the beginning of the Whitsun weekend.

Following renewed intensive discussions with our stakeholders and their concerns, the decision has now been taken: The next DOMOTEX will take place from 18 - 20 May 2021 (Tuesday to Thursday). As already announced - DOMOTEX is planning to hold a digital conference on January 15, 2021, the original trade show launch date. Further information will be available shortly.



# IRAN MACHINE MADE CARPET INDUSTRY 2018-2022

+ TOP 100

IRANIAN MACHINE - MADE  
CARPET MANUFACTURERS

65 PAGES ANALYSIS AND MARKET REPORT  
60 TABLE AND STATISTICAL AND FIGURES

By:Kohan Textile Journal

[www.kohanjournal.com](http://www.kohanjournal.com)

[info@kohanjournal.com](mailto:info@kohanjournal.com)

Customer Support: +905392346324



# IMPORTANT TIPS FOR BUYING **SECOND-HAND** TEXTILE MACHINERY AND CARPET MACHINERIES

By: [Kohan Textile Journal Editorial Team](#)



Textile is one of the largest industries in the world. In many developed countries such as the United States, the United Kingdom, Italy, and China, textiles are highly valued. Because textiles play an important role in strengthening a country's economy.

The textile industry is very profitable and efficient. The products of the textile industry have long been one of the basic human needs. Humans have used clothing to protect themselves from various factors such as extreme heat or extreme cold.

Textile products are also widely used for decoration. A significant portion of the goods needed by humans depends on the textile industry. One of the major advantages of the textile industry is that it does not require complex knowledge and equipment. For this reason, textiles have spread rapidly from the past to the present, and textile products are very diverse and diverse.

Just as textile products are diverse, so are textile equipment and machinery. Production of different textile products requires different tools and equipment. Each of the activists in the clothing industry, according to their field of activity, provides the required devices.

But one of the major problems facing Iranian textile industry producers is the high cost of machinery and equipment. Due to the high price of textile machines, many manufacturers can not buy the machine they need. On the other hand, restrictions imposed by political sanctions have exacerbated the problem of Iranian producers.

But every problem has a solution. The solution to the problems caused by the high price of machines and devices and restrictions on their purchase is the use of second-hand devices. Although most manufacturers prefer to use new machines, second-hand textile machinery can also be a cost-effective option.

Today, many manufacturers in the Iranian textile industry buy second-hand textile machinery to provide the machines they need. Manufacturers of machine-made carpets are among the main applicants for second-hand machines and machines. Carpet manufacturers have to pay attention to various aspects when buying machines.

There is a lot of competition in the carpet market and it is necessary to use efficient machines to produce machine-made carpets. For this reason, in the continuation of this article, we will review the important points in buying second-hand machine-made carpet machines.

### ► Consult with several experts simultaneously

In any case, consulting with professionals will help you make better decisions. Consulting with professionals is also very useful for buying second-hand machine-made carpet machines. For a better decision, we suggest that you consult several experts at the same time.

The more information resources you have, the more realistic the insight into the product. For this reason, if two

professionals guide you separately and simultaneously in buying second-hand machine-made carpet machines, you will have a better purchase.

Compare their opinions and suggestions when consulting with several experts independently and simultaneously. If you have questions about buying used carpet machines, ask them all. Then compare their answers. It should be noted that before consulting with experts, be sure to research them and get advice from reputable people.

### ► Buy devices that you are confident in using

Companies that distribute second-hand machine-made machine tools offer numerous offers to companies and manufacturers. A machine-made carpet company has to carefully consider the offers to buy the best product. An offer from a second-hand machine-made machine vendor may not meet the needs and goals of a manufacturer. However, if that offer is not carefully considered, the manufacturer may purchase the wrong product.

A manufacturing company needs devices and machines that are appropriate to its mission and goals, while the employees have enough experience and skills to work with it. Also, these machines are effective in supplying the goods needed by the market. It is quite reasonable to buy such machines and devices.







But if the second-hand machine made carpet machines are not in line with the company's goals or the skills of the employees, then buying them is a waste of the company's financial resources. In many cases, companies buy machines that have low performance.

In this case, the purchased machines are usually not used after a while. The company may even have to sell them to offset some of its losses. So be sure to buy devices and machines that you know are functional.

#### ► Consulting with manufacturers of machine made carpet machines

To buy second-hand machine-made carpet machines, you can contact the manufacturers of machines and devices and get guidance from them. Communication with these companies is possible both directly and indirectly.

Usually, these companies can help you with a guide and advice to make a better purchase. These companies may also offer you suitable offers.

Among the manufacturers of machine made carpet machines, Schonherr and Vandewiele companies are very famous. Most of the machines and machines of machine made carpets in Iran are the products of these two companies. These two big companies produce quality products and have a great reputation in the world.

Many companies in the production of large machine-made carpets use the products of the two companies Vandewiele and Schonherr and stick the name tag of these companies on the back of the carpet.

Because Schonherr and Vandewiele brands have a lot of credibilities. The use of Vandewiele or Schonherr machines guarantees the quality of machine made carpets for customers.

#### Evaluate costs, peripherals, and skills required to operate the machinery.

This is one of the most important tips for buying second-hand carpet machine machinery. Especially when you want to choose from several options. Before buying second-hand machines and devices, be sure to evaluate them in terms of costs and accessories.

Also, check what skills and facilities are needed to operate these devices.

The ancillary costs of unsuitable machinery can be much higher than the cost of purchasing it. Ancillary costs include the cost of repair, maintenance, training in the use of the device, and so on. Also, many devices need a lot of peripherals to work well.

Some second-hand machine accessories may be scarce. Because of this, before buying, check the cost of supplying peripherals and their availability. In addition, every device purchased must be used by the staff. Therefore, it is necessary for employees to have the necessary skills to operate the machines well.

It is very important to do this evaluation. If you buy sec-

ond-hand machines without a thorough evaluation, you may suffer damage and even incur additional costs. By evaluating the costs and peripherals and the facilities needed to work with a device, you can come to a general conclusion about the benefits and losses of the products in question.

#### ► Inspect second-hand machines while operating.

It is essential to check the performance of second-hand machines and devices while working. The best criterion for ensuring the quality and safety of machines is to check them while working. Used machines do not have a warranty service. Because of this, you must check them carefully when working before buying. With this review, you can be aware of possible defects.

One of the best ways to evaluate second-hand machines is to check the quality of their products. In many cases, the products of a device can show its defects and problems.

For a closer look at the machines and devices in question, observe their performance in person, and keep a sample of their products. Finally, decide to buy the device by comparing your products and observations.

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## 6 IDEAS FOR PRACTICAL AND BEAUTIFUL FLOORS FOR YOUR HOME



By: **Ralph El Eid** is the Business Development Manager at **COLORTEK**

Most homeowners would agree that form and function need to marry when it comes to flooring in the home. It's vital that a floor looks and feels good.

Visually, your flooring choice needs to complement other aspects of your home and may even provide a stunning focal point to a room. It needs to feel great underneath your feet, too.

However, your flooring also needs to be highly practical. It needs to be able to cope with all that is thrown at it (sometimes literally!).

Children, pets and furniture can all have an impact on flooring. Wear and tear in high-traffic areas is to be expected, and it can be a challenge to work out which flooring will cope best with your lifestyle.

Cleanliness is also a point of consideration. COVID-19 has prompted more people to consider which floors may be more washable and the easiest to keep hygienic.

It can be a difficult balancing act, juggling form and function, so here's some advice to help you find the perfect practical decorative flooring.

### ► EVALUATING YOUR NEEDS

It's vital to first consider where the high-traffic areas are in your home. These are the areas where people tend to move rather than sit. These areas are exposed to more wear and tear than others. These typically include:

- Hallways and areas near outside doors
- Kitchens/food preparation areas
- Utility and laundry areas

- Stairways (and the routes leading to them)
- Downstairs WC (and the route leading to it)

The entrances, exits and junctions within your home receive the most footfall. Rooms where practicality is less of an issue are likely to be lounges and sitting rooms, bedrooms and at-home work spaces and offices.

The busiest areas are also likely to need the most frequent cleaning.

Outdoor shoes, or wheelchair and push-chair wheels will inevitably bring dirt, grit and mud into the areas close to your home entrances. Grease and crumbs will certainly plague both your food preparation and dining areas. Elsewhere, in lower-traffic areas, you are more likely to have to deal with dust and pet hair.

Durability is a consideration, too. Both footfall and frequent cleaning can affect the functional lifespan of a floor covering. Replacing flooring can be both costly and highly disruptive, so it pays to think about this before you make your choice.

### ► YOUR OPTIONS

For durable, easy-to-clean but attractive hard flooring, these are your main options:

- Hardwood
- Terrazzo
- Quarry tiles
- Vinyl tiles
- Polished concrete
- Epoxy coating

They all have their unique qualities well worth exploring in greater detail.

### ► HARDWOOD

Hardwood flooring has been a classic choice for centuries. While options have increased more recently with plenty of innovation within the flooring industry,



hardwood has kept its popularity.

Hardwood's main draw is its natural beauty. No two floors are ever completely identical, which gives it plenty of character. There are plenty of choices from light to dark, including oak, cherry, walnut and mahogany that all have their own distinctive charm.

Hardwood flooring is also very ambient and has a homely, warm appeal. It is a timeless choice that marries well with many kinds of decor.

Hardwood floors can cope with the wear and tear you'd expect in a typical family home. Many types of wood can be lightly sanded multiple times to even out appearance and remove light scratches. But, being softer than some other flooring materials discussed here, it is more prone to damage from deep scratches.

Regular sweeping and vacuuming and light mopping will keep a wooden floor clean and hygienic. However, you do need to be mindful to not get it too wet and to clean up spills quickly as this can cause the wood to contract. You can also use a gentle soap and water cleanser designed for wooden floors to maintain the good appearance of a wooden floor.

### ► TERRAZZO

Terrazzo can be a very contemporary-looking flooring. However, it's actually been around for centuries. It was very popular in Europe and the USA post WW1 and it enjoyed a huge revival in popularity more recently, too.

If you're not sure what terrazzo is, it's a composite made using aggregate chips of a material like marble, stone or recycled glass combined with a concrete or resin. It can either be poured directly, which is the most straightforward installation method, or you can buy ready-made terrazzo tiles.

Terrazzo is a designer's favorite because there are almost limitless possibilities when it comes to its colors and finishes. It allows for creating something completely unique. You could opt for a very bold statement floor using terrazzo or something neutral.

Properly installed terrazzo is non-porous, meaning that it offers excellent hygiene

and can be washed often. It's also very durable; for this reason, you'll often find it being used in commercial buildings.

### ► QUARRY TILES

Quarry tiles are another traditional choice. They are made using hard-fired clay and set in place using grout. A thin-set adhesive coating then needs to be applied.

Quarry tiles provide a charming, rustic look that may or may not go beautifully with your decor, depending on your style. In particular, they can look great with certain styles of kitchens or utility rooms. Quarry tiles are a practical choice in these areas because they are incredibly hard-wearing. In fact, they are often the floor of choice in professional kitchens.

However, they are not the lowest maintenance option here. They need to be re-







slippery as anti-slip additives are used). All in all, it is as practical as it is beautiful. It's also simple and fast to use an epoxy coating in your home. And with experienced, professional engineers installing it for you, it will last an incredibly long time. It's a seamless floor covering with a considerable lifespan and it offers ease of cleaning.

► **PICKING THE RIGHT OPTION FOR YOU**

All the hard floorings described here are long-lasting, hygienic and beautiful. Which one you choose will depend largely on the look you wish to achieve. For instance, do you want something timeless and traditional? If so, hardwood or quarry tiles are probably your best choice.

*Do you want something bold and completely bespoke?* Then by using terrazzo, polished and stained concrete, or epoxy resins, you'll be able to do just that.



sealed regularly; otherwise, they can retain marks and stains as they are quite porous. The grout between tiles also needs occasional scrubbing to keep it hygienic and looking great.

► **VINYL TILES**

Vinyl tiles didn't have a good name for a long time and were often accused of looking cheap and too much like plastic. However, all that has completely changed and there have been some huge advancements in vinyl flooring. Today's luxury vinyl tiles look incredible and can closely mimic many other finishes, including wood and clay tiles.

Vinyl flooring is more than durable enough for domestic use and will cope well with spills and foot traffic. It's also really easy to wash and keep hygienic because of its water-resistant quality. If you prefer to wash floors frequently, then vinyl flooring would be a strong contender amongst your choices.

► **POLISHED CONCRETE**

Concrete flooring has long been popular in commercial buildings but is becoming increasingly popular in homes, too. It is a fashionable choice, with a stunning, sleek and minimalist finish that suits many modern homes.

Polished concrete is exceptionally durable, which explains its popularity in industrial and commercial settings. But it is also useful in a busy family home to have a flooring that takes minimal upkeep but offers maximum protection against damage from spills and scratches.

Sweeping and mopping are all it takes to keep a polished concrete floor both clean and looking good. As for durability, a properly installed concrete floor is almost certain to last many decades, or at least, as long as you can imagine living in your home.

As such, polished concrete is the ideal marriage of form and function. The natural color of concrete floors is grey, which is ideal as a neutral base. For this reason, it's a very popular choice with architects and interior designers. However, if you prefer something more interesting, unique or bold, then stained concrete is highly recommended.



You can achieve just about any desired color or look through staining. Designs can be intricate or audacious or very minimalist. It is possible to decorate concrete floors with bold, colorful graphics through staining. The stain penetrates well, meaning the effect is long-lasting, too.

► **EPOXY COATING**

Epoxy is a modern technique where a plain, unpolished concrete floor is given a smooth coating. The range of possible colors and finishes are almost endless.

This kind of flooring serves as a blank canvas for your designs. You can add swirls or patterns, pearlescent, glitter or metallic finishes, use color shifts and much more to create a completely bespoke floor for your home.

An epoxy coating is non-porous and highly resistant to damage or penetration from oil or water. High-traffic areas are recommended to have an epoxy coating installed as these sections require highly durable materials.

The finish is high-gloss and very smooth (although not

In terms of endurance and practicality, it's hard to beat polished concrete, terrazzo or epoxy coatings as well. They require very little maintenance once installed, other than a sweep and mop as and when needed. All of these flooring options are relatively low maintenance and much easier to look after and clean regularly than a carpeted floor, for example.

For more help and design ideas, don't hesitate to contact your local decorative floorings specialist. They will happily help you choose the best option for your home and lifestyle.

► **AUTHOR BIO**

Ralph El Eid is the Business Development Manager at COLORTEK – Wall & Floor Fashion. EQUIPAINT is the franchise owner of COLORTEK in Dubai (U.A.E.) and Doha (Qatar); an international paints manufacturer specializing in the widest range of decorative paints and seamless concrete & resin flooring, with a unique showroom concept, and thus an ideal destination for homeowners, consultants, architects, interior designers and paint applicators.

## Peru Alpaca Yarn & Textile Intl

*Peru Alpaca Yarn & Textile Intl is a family-owned company established in 2010. Our office located in Lima, Peru. Our main business area is alpaca scoured fiber, tops, alpaca noils and yarn. Company CEO Jaanus Vosu, who is running a company in the daily bases.*



**CONTACT:**

Perualpaca2010@gmail.com  
 Phone:+51 991036364  
 Address: Street Monte Cipres 423,  
 Monterrico Sur Lima,Peru  
 zip code 15300





## WORLD'S FIRST FLAME RETARDANT AVIATION CARPET WITH RECYCLED PVB BASED BINDER DEVELOPED

German carpet manufacturer Anker is the first company to offer flame retardant carpets for aviation that are made with a recycled binder.

In the search for a more sustainable binder, Anker discovered the PVB from Shark Solutions, a Danish cleantech company focused on giving a new life to post-consumer PVB.

Properties of the aviation carpet with PVB as binder are the same as those of traditional non-sustainable carpets. The market has been looking for this type of solutions for a long time and market introduction has already started. Anker will introduce well known and special developed styles of aviation carpets with PVB and plan to take out traditional non-sustainable aviation carpets stepwise as soon as possible.

Shark's PVB reuses laminated glass, from windshields and architectural/building glass, that otherwise would go to landfill. The non-toxic binder (no chlorine or phthalates) is fully recyclable and thus lives up to the future standards of the industry.

Textile innovator Devan Chemicals, known for its tailor-made flame retardant solutions, was called in to develop the flame retardant back coating, which is compliant with the Airbus and Boeing safety standards. "Based on many years of experience and competences in customer related developments, improving recycling rates is getting more and more important", says Dirk Vanpachtenbeke, R&D manager Flame Retardants at Devan. "We are very proud that, together with Anker and Shark Solutions, we can contribute to this rising demand for products that meet the standards of a circular economy solution."

In other news, Anker and Devan are already working on a new project, which includes Devan's antimicrobial/viral-reducing technology. Recently, Devan published test results on the activity of their technology (BI-OME) against SARS-CoV-2 and other viruses.

According to independent testing, BI-OME is proven to achieve 99% and higher virus reduction, including of SARS-COV-2, on samples before washing and retains 98.5% even after 25 wash cycles. This technology has been recognized with the 2020 European Technology Innovation Leadership Award by Frost & Sullivan.

## CALIFORNIA'S CARPET RECYCLING RATE SOARS

care america recovery effort logoDalton—At a time of immense strain on recycling efforts across the country, carpet recycling in California saw significant progress in 2019, according to the just-released California Carpet Stewardship Program 2019 Annual Report.

While California's overall materials recycling rate has been on the decline since 2014, the state's carpet recycling rate is up 58% in the same period. In addition, CARE's prompt and multi-faceted COVID-19 Action Plan has provided critical support to the industry as it faces the economic and operational challenges of 2020.

"2019 was a banner year for the carpet recycling industry in California," said Bob Peoples, CARE executive director. "Rising recycling rates, exciting technological innovations such as chemical recycling, growing markets and improved efficiency led to our most optimistic outlook in years. We are facing the challenges of 2020 with new determination and see encouraging signs. We actually did better in the second quarter—during maximum shelter-in-place orders—and now believe we are moving in the right direction for the second half of 2020. Feedback from the recycling community indicates the COVID-19 Action Plan has made a major difference in cash flow and their ability to continue to operate."

According to the California Carpet Stewardship Program's 2019 Annual Report:

The overall 2019 California recycling rate was 19%, up 27% from 2018. The national carpet recycling rate was 5%.

82 million pounds of post-consumer carpet was collected before it could go to landfill.

58 million pounds of recycled output

was produced (up 18% from 2018). Over 70% of all carpet collected was recycled, up from 53% in 2018. The 70% recycling rate, or yield, has grown significantly over the life of the program due to investments in product testing and processing capacity, growth in markets for post-consumer carpet materials and various technological advances.

Through subsidies, grants and technical assistance, CARE supports increased collection and processing of carpet into products containing recycled carpet material. Twenty-five vendors currently incorporate carpet in 77 products for the automotive, construction and other industries.

Extensive COVID-19 Action Plan preserves recyclers

Beginning in March 2020, CARE's oversight committee approved a series of emergency actions to support and assist the California carpet recycling industry as effects of the pandemic threatened the industry's survival. Actions included extraordinary payments to recyclers in March and June, along with increased subsidy payments to recyclers, an accelerated payment schedule and relaxed reporting and proposed loan payment requirements.

A total of \$1.6 million has been provided to 15 recyclers, easing the pressure and allowing businesses to focus core efforts around collection and processing.







کلینیک فرش دکتر دیاری

Dr. Dayiary Carpet Clinic  
Carpet Accessories Producer



## مرکز تخصصی تولید لوازم جانبی فرش

(اسپری لکه بر فرش، شامپو فرش، انواع ترمز فرش، انواع کیت های لکه بری فرش و ...)

صادرکننده لوازم جانبی فرش به بیش از ۱۰ کشور جهان



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**Vevey, Switzerland, 1819:** François-Louis Cailler invents the now-familiar **tablet format for chocolate**. His simple idea makes chocolate available and **affordable worldwide**. Today, **one billion** Swiss-made chocolate bars are produced each year.

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## HIGH-QUALITY TUFTED CARPETS MADE OF RECYCLED PET BY AUTONEUM



Autoneum has unveiled Relive-1, an innovative tufted carpet that matches the highest standards of sustainable mobility.

The tufting technology for the compact to premium class, which has been awarded the "Autoneum Pure" label for its environmental friendliness, is also more durable than that common in these vehicle segments and provides easy cleanability.

Relive-1 is being launched in North America and will be offered in Europe for luxury vehicles as of 2021.

Global demand for innovative cars of the future and sustainable forms of mobility is rising. Accordingly, automobile manufacturers and suppliers are increasingly focusing their vehicle development activities on resource-saving lightweight components and production processes.

In addition, the look and feel of the passenger cabin is a decisive factor in the purchasing decision, as in the future the car will be used increasingly for work and recreation. Here, carpet systems play a key role in terms of quality perception because of their size.

With Relive-1, Autoneum provides technology for automotive carpets that not only scores with its aesthetic appearance, but also has exceptional environmental performance.

Among other things, carpets made of Relive-1 feature a particularly sustainable use of raw materials. For example, only recycled PET bottles are used to manufacture carpet yarns.

Autoneum reuses this raw material, thus conserving natural resources and reducing plastic waste – while at the same time ensuring that new, high-quality carpet systems for future vehicle generations can be produced cost-effectively from used PET bottles.

Moreover, Relive-1 is an important step towards mono-material constructions and consequently, zero waste tufted carpet production.

Relive-1 stands for the above-average product quality. Compared to standard carpets in compact to large class vehicles, Relive-1 carpets are more robust thanks to significantly higher abrasion resistance, and easy to clean thanks to the vertical alignment of the filaments and the water repellency of polyester.

As a result, small particles such as wood splinters, dust or pebbles as well as liquids can be removed easily with no residual traces, which is a key benefit for recreational vehicles like SUVs. For premium class vehicles, the union of outstanding performance and sustainability defines nowadays the new luxury.







**WHICH WINDER YOU SHOULD BUY?**

**By: Qasem Heydari, M. Sc. Textile Engineer**

In spinning mills, yarn winding on cone process happens with various type of machines. Winder machines (cone winder and assembly winder) are one type of the yarn winding machines that are benefited in several spinning and weaving factories.

Undoubtedly, it is important to purchase our winder depend on our indeed and expect. For example, big size of winded cone for weft yarn is on focus for weavers.

Big variety of winders and sometimes, their low prices, make some factories to decide hastily to buy winder that is not suitable with other machines and there are not matching and appropriate between winder ability and case of use in those factories.

For instance, the main reason of low efficiency in most two-for-one twisting units is the weakness of winding machines and poor winded cone. In these cases, after a while, buyers discover this non-suitability and the winder machine abandon with no use and other winder is going to buy. In the otherwise, this non-suitability, burden many disorders and irregularity for the factory.

In this article, we investigated and sorted winder's abilities and limits for kind of factories with various expects of winder to make easily deciding about the choice of a suitable winder for buy. At the end, winders' technical necessities and additional options' have explained.

**WINDERS CAPABILITY:  
WINDERS CAN HAVE THE FOLLOWING CAPABILITY:**

- 1- Winded yarn on cone meter counter sensor, for whole heads of the machine, if winding of all heads occurs altogether, or separate winded yarn meter counter sensor for every head, or micro-switch for maximum package diameter and doffing size.
- 2- Yarn fault (Thin, Thick and NEP) detector sensor or mechanical yarn fault (Thick points, the hairy pole on yarn and fluffy point and knot) recognition equipment, winding process stop mechanism, cutter, emitting of yarn faults mechanism.
- 3- The ability of yarn plying and process stop when yarn loss each considered plies in a mechanical or electrical way, until 3 sensor or mechanical mechanism in each head.
- 4- The ability of winding of reservation thread. Yarn waxing or oiling equipment, thermal, draft and texturizing process, mechanical, heat or wet splicing.
- 5- Immediately Bobbin drives stop mechanism for roller or drum with minimum motor ramp or locking break shoes and escape for inhibiting of erosion of yarn on the drum.
- 6-Tension applying on yarn for breakage and remove of thin and weak point.
- 7- The separation between yarn tension and winding density.

8- Adjustable package pressure with spring or air presser with the ability of easy up bring of the cradle and easily putting of bobbin and as far as possible separate opening and closing mechanism of bobbin from handle – using of 2 separate pistons for applying of pressure on package under drum and upbringing yarn package from drum while breakage happens– applying pressure on yarn package for inhibition of conical (sugarloaf) shape.

9- The ability of loose and uniform winding – with using of feeder or balloon ring – open winding for dying or close winding (put several yarn rows next



to each other) without a pattern – parallel, bias and crossed winding – more winding angle, more loose package – the separate opening of each yarn rows with next rows – constant winding angle or a constant number of helix winded on package in different package diameter.

10- Random, precision or step-precision winding with grooved drum or cam traverse of traveller or traveller traverse motor.

11- Applying steady tension on the yarn with use of disk and spring (its tension is not constant and depend on crossed yarn mass), disk with weight or tension gate – applying tension with use of crossing yarn over bar's perimeter – tight winding for a dense package under full control.

Necessity capable for winder buying, 1-15 case in previous division															
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
															Different divisions of aspects of winder
															Finesse yarn plying
															summation of bobbin's end yarn
															Dying yarn
															Weft
															Warping
															High-reed carpet pile
															Trico filament 40-300 denier
															Long staple spinning+filament fine than 300den
															Lycra 20-70 denier
															Combed cotton yarn fine than 30 Ne



12- Regular winding in edge without falling (stitch yarn) – bobbin vibration absorption equipment – gentle holding of bobbin not tight and not loose – smooth winding of package with using of boll bearing or balls and cone or eye bearing For bobbin holder– suitable bobbin holding pressure with the use of suitable spring – using of high resistance alloys for cradle don't break anti-erosion lightweight anti-vibration without limp and swings, such as steel or Teflon or polyamide.

13- Anti-patterning (anti-ribboning) with use of the sinusoidal change of cam or short time upbringing of package or make slippage between package and drum with motor short stoppage.

14- Easy-open package, Conical for staple yarn, cylindrical for filament yarn, curve edge for dyeing yarn, multi-conical for weaving and pear-shape – more conic in bobbin end, accelerate conical angle – lose Travers in the edge.

15- The assortment of aspects of winding machines, and fitness between aspects and capabilities of winding machines:

Spinning mills benefit from winders as production of an intermediate product that will use in their needs at their mills or as final product for sell; some mills also buy winded yarn.

All of these factories sorted at the following 10

groups. Other factories such as carded cotton spinning mills with yarn count thick than 30 or carpet weaving mills with low reed, don't mention because of low sensitivity in finding suitable winder.

#### WHICH WINDER YOU SHOULD BUY? WINDER'S TECHNICAL NECESSITY:

- Suitably polished counting (ceramic) for non-erosion and twist opening in touch within drum with high rotational Speed – filament yarn has low friction Constant and have low luck to jump out of drum track.
- Precise drum design in aim to creating of tight edge because of zero speed of yarn indirect change in edges – suitable deep for constant tension in certain yarn length in meddle and asides.
- Strong and high resistance alloy from iron, aluminium, cast iron, Teflon and plastic.
- Poly-time motor high power low energy consumption with suitable rotation per minute – suitable aluminium or polyamide alloy in ceramic yarn guide and bobbin holder cradle.
- Thick sheet and jointing chaise with screw instead of wedding, mechanized sheet cutting with CNC or casting of the heavy chaise and sanding precise jointing point, designing of chaise with more curve for more strong and low vibration and applying of big bearing and strong for low drum vibration – high-quality bearing and strongest cradle handle – shaft with suitable alloy and diameter and coupling.
- Durable Lasik body colour
- Heads designing with the ability of easy service and maintenance and easily lot changing parameter change like easily change of drum.
- The suitable number of electronic board, controllers (PLC) inverters and drives and type of electrical segment's jointing together. Kind of consumption electricity consumption (1 phase or 3 phases) with low ampere and low watt.
- Constant non-precision winding (accelerative for conical bobbin for unfirming in bobbin length) tension adjust according to precision winding speed and increasing of package diameter and winding speed.
- Winding angle more than 81 cause fall. Less than 68, cause yarn summation in middle textile winder with yellow cone

#### ADDITIONAL OPTIONS: MORE WINDING SPEED

- High maximum weight and diameter of winded package
- Recognition sensor in Travers path for inhibition of jumping of yarn on drum and winding on drum perimeter.
- Laborance (how much labor need), how putting of bobbin on creel and way of doffing and pick up of winded package (vertical or horizontal), ergonomic and way of machine operation.
- Separate winding motor for each heads and separate traverse motor for each head
- Sharp or smooth package edge
- Adjustable cone length ( 17-23-29 centimetre)
- Adjustable conical edge
- The capability of using of conical and cylindrical cone
- Operation status display lights
- Production monitor for display and counter of shift product and number of doff and efficiency and machine settings
- Operator and status operation change switches and bottoms



Photo shows Iranian sculptor Parviz Tanavoli and art aficionados visiting an exhibition of his Persian flatweave rugs, kilims and carpets.

## SCULPTOR PARVIZ TANAVOLI DONATES COLLECTION OF PERSIAN RUGS, CARPETS TO CHTHM

World-renowned Iranian sculptor Parviz Tanavoli has donated a collection of his Persian flatweave rugs, kilims and carpets to the Cultural Heritage, Tourism and Handicrafts Ministry (CHTHM).

The donation was made based on an agreement signed between Deputy Minister Mohammad-Hasan Talebian and the daughter of the Canada-based artist, Tandis, as his legal representative in Iran, the CHTHM announced on Tuesday.

The collection is composed of 408 rugs, kilims and carpets woven by Iranian nomads.

“My father has accumulated the collection from the villages and nomads across Iran over 60 years, and most of the rugs are not woven any longer and the nomads also do not exist any longer,” Tandis Tanavoli said during the meeting with Talebian.

“Several books have been authored about this collection that my father believes belongs to Iran and should be preserved in the country,” she noted, and added that her father has always lamented the lack of a special section for Iranian rural and nomad carpets and rugs in Iranian museums.

She said that nine pieces from the collection will be put on display permanently at the Carpet Museum of Iran.

“The collection comprising rare invaluable nomad

rugs, kilims and carpets will be showcased in a temporary exhibition at the Carpet Museum of Iran in the near future,” Talebian said during the meeting.

He added that a historical house in the southern Iranian city of Shiraz will be converted into a museum of Tanavoli's artworks, which will also be a permanent place for displaying the donated collection.

A team of cultural heritage experts and the master's family are scheduled to visit the house for a feasibility study next week.

Tanavoli has devoted himself to serious studies of Iranian nomad carpets and rugs, which have been published in the books “Shahsavan Iranian Rugs and Textiles” and “Persian Flatweaves”.

Tanavoli is also known for his expansive body of works including paintings, prints, ceramics, rugs and jewelry. In addition, the artist is a highly-regarded collector and poet.

In his latest book, “Mania for Collecting”, published this August, he tells about his passion for collecting strange and rare objects.

The Tehran City Council approved on Sunday to rename a street in the Niavaran neighborhood after Tanavoli.



## PERSIAN CARPET: A CROSSROADS OF INTRICATE DESIGNS, LAVISH COLORS, AND PEERLESS ARTISTRY



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.

Weavers, almost all of them women, spend several months in front of a loom, stringing and knotting thousands of threads. Some practice established patterns, some make their own.

It is a scene that seems as ageless, a procedure that can take as long as a year, these efforts have long put Iran's carpets among the most complex and labour-intensive handicrafts in the world. When the weaving is finally done, the carpet is cut, washed, and put out in the sun to dry.

Over the long course of history, invaders, politicians, and even Iran's enemies have left their impact on Iran's carpets. According to Britannica Encyclopedia, little is known about Persian carpet making before the 15th century, when the art was already approaching a peak.

The Mongol invasion of the 13th century had depressed Persia's artistic life, only partially restored by the renaissance under the Mongol Il-Khan dynasty (1256–1353). Although the conquests of Timur (died 1405) were in most respects disastrous to Persia, he favored artisans and spared them to work on his great palaces in Samarkand.

Under Timur's successor, Shah Rokh (died 1447), art flourished, including, almost certainly, carpets. Their production exclusively by palace workshops and court-subsidized looms gave them unity of style; and a sensitive clientele and lavish royal support

guaranteed perfect materials and the highest skill.

In the 15th century the art of the book, which had long been considered the supreme artistic accomplishment and already had behind it centuries of superb achievement, reached a degree of elegance and sophistication unknown either before or since. The bindings, frontispieces, chapter headings, and, in the miniatures themselves, the canopies, panels, brocades, and carpets that furnished the spaces all received the richest and most elegant patterning.

These beautiful designs were appropriated in various degrees by the other arts and account in no small measure for the special character of the court carpets of the period, the variety of color, the ingenuity and imaginative range of pattern schemes, and the superlative draftsmanship that is both lucid and expressive.

Iran is one of the world's largest producers of machine-made carpet with more than 95 million sqm production annually, with the world-famous city of Kashan, located in Isfahan Province, home to 75% of production facilities.

Among the products inspired by book illumination were the medallion carpets of northwest Persia, which consist of a large center medallion connected with pendants or cartouches on the long axis and with quarter-section designs of the medallion in the corner areas. First used on ornamental pages and bindings of Persian books, on carpets this arrangement provided an effective center and allowed several layers of designs to overlap because the medallions could cover multiple vine and flower patterns. The depiction of the latter motifs is more relaxed than their medieval rendering, and new motifs (in-

spired by painting) such as animals, humans, and landscapes began to be worked in.

A special court atelier, possibly located in Tabriz or Soltaniyeh, translated the most gorgeous illuminations into carpets. Among the 12 or so surviving examples are the world's most famous carpets, each a masterpiece of superb design, majestic size, purity and depth of color, and perfection of detail. The best-known of these are two carpets from the mosque at Ardebil in East Azarbaijan, Iran, dated 1539–40. The better, skillfully restored, is now in the Victoria and Albert Museum in London; the other, reduced in size, is in the Los Angeles County Museum of Art.

These carpets, in the opinion of many, represent the supreme achievement in the whole field of carpet design. Nonetheless, other royal workshops were also producing many beautiful rugs. Particularly costly silk carpets with figure motifs (such as the silk hunting carpet in Vienna's Austrian Museum of Applied Art) were probably woven in Kashan, Persia's silk center. Smaller silk medallion carpets were also made there during the latter 16th century, their designs mostly variations of the original medallion system. The court manufacture of Kashan also produced silk carpets with a decidedly royal style.

The distinctive rugs called vase carpets (because of the flower vases in their designs) are generally thought to be from Kerman. The pattern usually consists of several lattice systems with profuse blossoms and foliage.

Later in the 17th century, increasing luxury and wealth demanded the production of so many gold- and silver-threaded carpets that soon they were available in bazaars and export-

ed to Europe, where more than 200 have been found. Some were made in Kashan, but many of the finest came from Isfahan. With their high-keyed fresh colors and opulence, they have affinities with European Renaissance and Baroque idioms.

At the end of the 17th century, nomads and town dwellers were still making carpets using dyes developed over centuries, each group maintaining an authentic tradition. Not made for an impatient Western market, these humbler rugs of the "low school" are frequently beautifully designed and are of good material and technique.

Sheep wool is one of the essential ingredients of the traditional carpets in Iran. Sheep are grazing high up on the mountain pastures and shorn only once a year produce a thick, long wool ideal for the tough thread used in carpet making.

Persian carpets are sought after internationally with the medallion pattern being arguably the most characteristic feature of them all. However, there is tremendous variation in the shapes and sizes of the medallions as well as the way they are used in various rugs. It's not wrong to say that no two rugs will have the same medallion layout.

Over 5,397,000 tons of Iranian carpets, worth \$424.451 million, were exported to over 70 countries with the U.S. standing on top of the importers' list, during the Iranian calendar year 1397 (ended March 20, 2019). Germany, the UK, Italy, France, Spain, Switzerland, Austria, Russia, Portugal, Denmark, Sweden, and Norway as well as Hungary, Romania, Poland, and Ireland were major importers of Iranian carpet.





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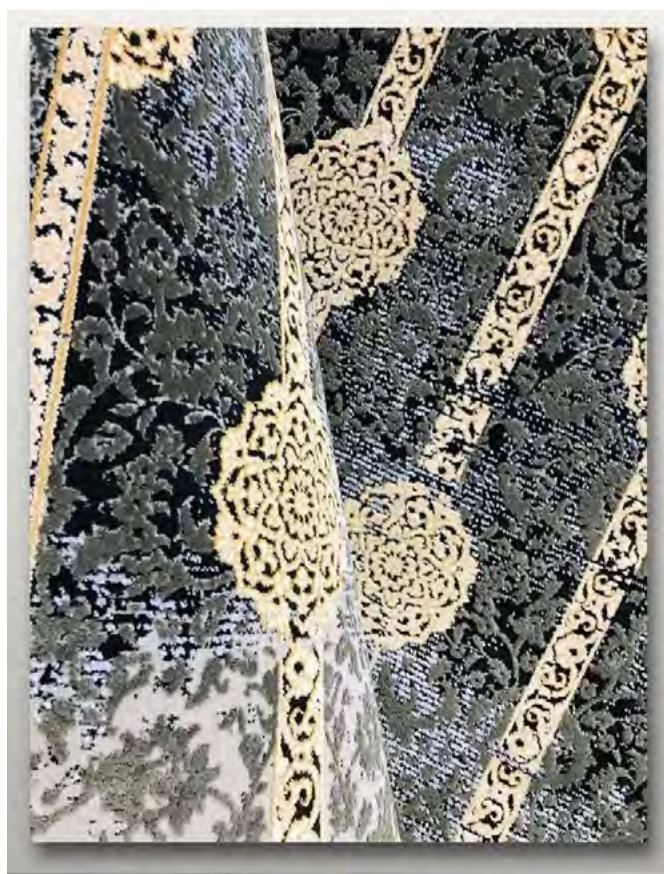
Collection : Black Swan - 219  
 Design : Vintage  
 Carpet Yarn: Acrylic  
 Reeds: 700  
 Density/Sqm : 2100



Collection : Black Swan - 209  
 Design : Vintage  
 Carpet Yarn: Acrylic  
 Reeds: 700  
 Density/Sqm : 2100



Collection : Black Swan - 216  
 Design : Vintage  
 Carpet Yarn: Acrylic  
 Reeds: 700  
 Density/Sqm : 2100



Collection : Black Swan - 213  
 Design : Vintage  
 Carpet Yarn: Acrylic  
 Reeds: 700  
 Density/Sqm : 2100



Collection : Black Swan - 217  
 Design : Vintage  
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Collection : Black Swan - 212  
 Design : Vintage  
 Carpet Yarn: Acrylic  
 Reeds: 700  
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Collection : Black Swan - 201  
 Design : Vintage  
 Carpet Yarn: Acrylic  
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