ОНЛАЙН СПИСАНИЕ ЗА ТЕКСТИЛ, ОБЛЕКЛО, КОЖИ И ТЕХНОЛОГИИ-БЪЛГАРИЯ прави 6 години от своето създаване и стартиране онлайн на сайта www.tok-bg.org. За нашият международен редакционен екип беше година, през която се стараеме да бъдем прозорец на водещи теми за леката и кожено-кожухарска индустрия.

Чрез публикуванияте материали и дигиталните броеве Ви запознавме със състоянието и адаптирането към настъпващите промени на малки и големи компании: -Как се възстановяват и обединяват, поради и още не затихващото положение от COVID-19;
-Съществуващите трудности с енергийната и газова криза;
-Какви нови стратегии се прилагат за разработване в бъдеще, и процесите по възстановяване на доставки на световно ниво при водния транспорт;
-Бързината и мрежите на търсене и оптимизиране, връзката между бранд и потребител;
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Така и зад нашия сайт, стои един не малък екип, които вярва, че Ви е бил полезен и през тази една година!

ОНЛАЙН СПИСАНИЕ ЗА ТЕКСТИЛ, ОБЛЕКЛО, КОЖИ И ТЕХНОЛОГИИ-БЪЛГАРИЯ продължава на дигиталната сцена и през 2023 г. със страст, позитивност и по конструктивен начин за технологиите, защото за нас леката и кожено-кожухарска индустрия е привлекателна и навсякъде!!!

Изказваме на всички наши редовни и нови сътрудници, компании и партньори от изложбените центрове нашата голяма БЛАГОДАРНОСТ за доверителното и успешно сътрудничество!!!

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СЪДРЪЖАНИЕ/CONTENS

РЕДАКЦИОННО: 6 години онлайн списание за Текстил, облекло, кожи и технологии ..........171

ЕКИП ОТ СТУДЕНТИ НА ФАКУЛТЕТА ПО ПРИЛОЖНИ ИЗКУСТВА, УНИВЕРСИТЕТ БЕНИ СУЕФ, ЕГИПЕТ РЕМОНТИРАТ СТАРИ МОДЕЛИ НА ТЪКАНИ МАШИНЫ...............................................173

A TEAM OF UNDERGRADUATE STUDENTS AT THE FACULTY OF APPLIED ARTS, BENI SUEF UNIVERSITY, EGYPT, ARE REPAIRING OLD MODELS OF WEAVING MACHINES
Students of third year: Sameh Milad, Mina Ezzat, Jessica Hany, Sondos Khaled. Ibrahim Allam, Amr Saber, Abdulrahman, Khaled Mohammed .........................173

НЕТЪКАНИ ИНОВАЦИОННИ КЪРПИ ЗА ГЛОБАЛНА СИГУРНОСТ
проф. Сешадри Рамкумар......................................182
NONWOVEN WIPE INNOVATION FOR GLOBAL SECURITY
Seshadri Ramkumar..................................................182

NEW CELLIANT® WITH REPREVE® RECEIVED AN ISPO TEXTRENDS AWARD................................................184
NEW CELLIANT® С REPREVE® С НАГРАДА НА ISPO TEXTRENDS.............................................................184

ОБЯВЯВАНЕ НАГРАДИТЕ НА INDIA ITME TECHNOLOGY .................................................................186
ANNOUNCING INDIA ITME TECHNOLOGY AWARDS .................................................................186

COMING FULL CIRCLE ON SUSTAINABILITY: 100% POLYESTER CARPET SYSTEM.................................193
ИДВАЩ ПЪЛЕН ЦИКЪЛ ЗА УСТОЙЧИВОСТ: 100% ПОЛИЕСТЕРНА СИСТЕМА НА МОКЕТНИ НАСТИЛКИ
.................................................................................193

95th EDITION OF MICAM MILANO........................................195
95th EDITION OF MICAM MILANO........................................195

РЕКЛАМИ/ADVERTISING ...............180, 181, 183, 185, 191, 194, 196

ОНЛАЙН КОНТАКТИ/ONLINE CONTACTS:
spisanie@tok-bg.org, redaktor@tok-bg.org, marketing@tok-bg.org, office@tok-bg.org
**College vision:** The College seeks to be a leading educational and research institution at the local and international levels in all fields of specialization and a source of creativity in accordance with international quality standards.

**College message:** Preparing a distinguished graduate and researcher who is able to develop his creative and technological skills and provide specialized technical services and consultations that meet the needs of the local and regional labor market through various educational programs.

**College goals:** The strategic plan of the Faculty of Applied Arts, Beni Suef University is characterized by a set of objectives that cover standards of quality and accreditation in academic fields, administrative structure, and the effectiveness of financial spending through:

1- Developing the infrastructure and providing educational and learning opportunities to achieve quality and accreditation.

2- The continuous development and evaluation of educational programs and postgraduate programs in the college to keep pace with scientific development in various disciplines to meet the needs of the labor market for a distinguished graduate who is able to compete.

3- Providing an integrated system for practical research to help the economic development of society.

4- Developing human resources in a way that stimulates the capabilities of the faculty members and the administrative staff to reach the highest levels of efficiency.

5- Promoting and developing community participation and environmental service, in a way that contributes to supporting and achieving the college’s vision, mission, and strategic goals.

6- Developing the college’s own resources to support the educational and research process.

7- Providing advanced educational means to permanently raise the level of graduates who are able to compete permanently in the labor market and meet the needs of the beneficiaries scientifically, cognitively and behaviorally.

8- Support the activation of cooperation agreements in the fields of scientific research, student exchange and practical training in all areas of specialization.

9- Developing the capabilities of faculty members and administrators and stimulating competitiveness locally and regionally.

10- Developing research and advisory services and establishing advanced research bases capable of keeping up with the rapid development in various fields of specialization.

The college was established seven years ago... The university used to have a weaving machine 20 years ago.... The machine stopped operating 15 years ago... During this semester for the academic year 2022-2023 > the college administration formed a work team to NuovoPignon / SMIT. Machine repair this machine and benefit including in the educational and productive process for the benefit of students at the University of Beni Suef, Egypt.

Regarding the repair of a brand weaving machine, Nuovo-
Malfunctions due to age of battery units in weaving machine model 1998.

Prof. Dr. ELSayed ElNashar. At left, and Prof. Dr. Mohamed Madi, Dean of College, at right.

Goals: NuovoPinion/SMIT Machine Repair, improvement and machinery maintenance, repairs, maintenance and improvements of weaving looms and textile machinery.

We offer the following services:
- Maintenance of weaving machines and textile machinery.
- Improvements of weaving machines and textile machinery.
Double rapier face to face carpet weaving machine, weaving machine: NuovoPignon/SMIT Machine, Double rapier double weaving machine made for weaving with different types of weaving yarn, such as cotton, wool, viscose, silk, polyester, acrylic, technical yarn

NuovoPignon/SMIT Machine Filling Insertion:

In the area of filling insertion there are a lot of developments and implementation has been done since few years. These are discussed following. Versatility in Colour Insertion by Electronic Insertion The weft color selectors of today’s rapier weaving machine are microprocessor controlled, compact sized ones and can be available in 8 or 2 colors.

NuovoPignon/SMIT developed the Quick Step filling presenter, operates with independent module, each consisting of an electronically controlled stepper motor with presenter needle. The color and weave pattern are microprocessor or jacquard controlled. After the left gripper has taken the presented yarns, the Quick Step needle returns to an intermediary position, so the course of the filling yarn is straight and the tension of the yarn is low and remains constant.

The Quick Step filling presenter has several advantages. It is monitored by the machine microprocessor, so the timing for the presentation of the filling yarn is perfectly synchronized with the machine speed and the weave pattern. The filling presenter also provides the ideal position for rethreading. The modules of the Quick Step are interchangeable and there are no mechanical drives, so no maintenance or lubrication is required.

NuovoPignon/SMIT Machine offers the Electronic Color Selector (ECS) and the electronic filling tension device with integrated filling stop motion (EFC), is based on state-of-the-art stepping motor technology and are controlled by an external CAN-BUS. Advantages of the system are;

- It is monitored by NuovoPignon/SMIT Machine, weaving machine microprocessor so timing for presenting for filling yarn is perfectly synchronized with machine speed and weave pattern.
- The course of filling yarn is low and remains constant.
- The filling presenter also provides ideal position for rethreading.
- The modules of quickstep are interchangeable.

NuovoPignon/SMIT Machine Picking Speed In harnesses weaving up to 8 weft colors give a wide variety of patterning option. The G6500 offers a machine speed of up to 700 rpm and a maximum weft insertion rate of 1620 m/min.

NuovoPignon/SMIT Machine secure Filling Transfer

During center transfer from the left-hand to the right-hand rapier, the filling is positively controlled and thus securely transferred. The filling is released after the rapier has exited the shed in the open shed position and under absolutely control conditions. In NuovoPignon/SMIT rapier weaving machine, the highest peak yarn tension is extremely low due to the low rapier speed and positive control. Soft thread clamps with hard metal inserts and precision controlled transfer enable even coarse filament yarns of dtex with 450 filaments to be securely clamped and inserted.

Free Flight Rapier Free of NuovoPignon

Flight means that hooks no longer guide the rapier tape, so the hooks can no longer damage the yarns by diving into the warp. NuovoPignon/SMIT developed Free Flight Rapier in their rapier-weaving machine, which has been specially developed for weaving delicate fabric.

Light and Small Rapier Head The new lightweight guided gripper version enables higher speeds, and since the easier presentation into the gripper clamp requires less filling tension, the number of filling stops is reduced. The light gripper is also smaller, which results in a smoother entrance of the gripper in the shed, ensures less friction on the warp yarns. This reduces the warp breaks.

NuovoPignon /SMIT Machine Versatile and Synchronized Weft Cutter a perfectly efficient weft cutter mechanism is required for use of a wide range of yarn in rapier weaving machine. The weft cutter having direct gear drive, ensuring constancy and precision and reducing yarn wastage. The rapier head inserts any kind of weft. With the “Roto Cut” in electronically controlled weft cutter, the timing of weft cutting is optimized. The “Roto Cut” always cuts the weft at the best possible moment, irrespective of yarn type and material.

NuovoPignon / SMIT Machine Electronic Filling Tension Controller It controls the filling brake ensures a current yarn tensions at any time during insertion cycle. It can be installed for each channel between the pre-winder and entry of fixed main nozzle. It has been designed to slow down the filling at the end of insertion. It thus significantly reduces the peak tension of the pick at the end of the insertion and decrease the tendency of pick to bounce back in the shed. As a result of which the filling tip is stretched correctly with the following features;

- Lower peak tension in filling yarn.
Reduced tendency of filling to bounce back.

Insertion pick can be stretched more easily.

Adjustments are done by means of machine keyboard and display.

The settings can be adopted for each filling yarn.

Fewer filling breaks.

Fewer machine stops.


Higher productivity of machine and staff.

Weaker filling yarn can be used.

Correct setting of filling waste length and consequently less waste.

In NuovoPignon / SMIT rapier weaving machine, each prewinder is equipped with Programmable Filling Tensioner (PFT). This PFT is microprocessor controlled and ensures optimum yarn tension during the complete insertion cycle. Reducing the basic tension is an important advantage when piecing up weak yarn, while adding tension is an advantage at transfer of the yarns and avoids the formation of loops. This ensures weaving of strong or weak yarns at even higher speeds and also drastically reduces the amount of filling stops and reduces the waste length.

Prewinder Switch-off monitoring electric filling detector stops the machine in case of a filling break at prewinder. NuovoPignon / SMIT offer PSO (Prewinder Switch off) system. The machine continues weaving even in case of a filling break occur on the packages or the prewinder. The prewinder signals the filling breaks and simply switches to the single channel operation instead of two channels.

NuovoPignon / SMIT Machine Filling Detection at the End of Insertion When weaving lively yarns, FDEI (Filling Detector End of Insertion) checks the presence of filling at the end of insertion. This system detects short pick or rebounding fillings and prevents faults in the fabrics at the right hand side. NuovoPignon / SMIT developed this system.

NuovoPignon/SMIT Machine Pick Finding At the filling breaks the machine stops and only the harnesses are moved automatically to free the broken pick for removal by the weaver. The requirements that pick finding position are reached with a minimum of reed movements through the beat-up line. In, the pick finding is simply done by the Sumo motor at slow speed.

NuovoPignon/SMIT Machine Rapier Cleaning Device A special air blow system with solenoid valve control to the rapier cleaning devices that ensures cleaning of the rapier when the left hand rapier passes this every time. It produces a modulated blast of air to guarantee better cleaning and thus improve weaving performance this Rapier cleaning device. NuovoPignon / SMIT. Machine Shedding Mechanism There is several developments has been taking place in the recent time in the rapier loom like;

NuovoPignon/SMIT Machine Versatility

Rapier weaving machine can be equipped with a tappet motion with up to 12 harness; positive cams, maximum 12 harness frames.

NuovoPignon / SMIT Machine Controllable Shed Geometry

Modern rapier weaving machine offers shedding opening free from setting and optimization of the shed geometry. The shed opening is easily adjusted to suit the style in production. The symmetrical shed geometry and very small shed offer lower stress on both the warp threads and filling. Automatic shed leveling on prevents starting mark due to yarn stretch caused by a stop at open shed. In the shed opening offers optimum geometry combined with a wide range of backrest position. Small or large shed opening can be easily set to suit the article being woven.

Electronic Setting of Shed Crossing

A unique NuovoPignon / SMIT feature using AKM allows the weaver to control the aspect and hand of the fabric without even touching the drive chain. A few simple keystrokes on the display are all it takes to let reset its crossing points. The fabric quality can be checked and the setting copied to another machine within a short time.

NuovoPignon/SMIT Machine Variable Shed Geometry

The variable shed opening angles and setting options result in unprecedented precision of the shed geometry in rapier machine. The shed closure timing is easily set at the touch-screen terminals. Shortest Drive Path NuovoPignon / SMIT offers direct driven of the main shaft and the shedding motion through the main motor. This results in reduced noise levels and consumes less energy.


The electronic motor driven let-off supplies the loom with necessary wrap yarn, maintaining the yarn tension constant from full beam to empty beam. Let-off speed is automatically calculated in context with loom speed, weft density, wrap beam diameter & close loop tension control. Accurate synchronization with main motor in forward
& reverse direction in addition with remarkable latest features supports to minimize the beginning & ending marks thus, enhancing the grade & quality of the fabric. Besides this, it enables cramping/density design possible. The let-off & take up is synchronized rigidly with main motor in forward as well as reverse direction. With the take up electronic system the weft density variation doesn't need any more mechanical interruptions on the loom, it just need setting parameters on the fly of the key.

NuovoPignon / SMIT. Machine the great advantages are:
- Cramming pick finding- forward & reverse.
- Controlled synchronized movement during start, stop & running
- It boost quality & efficiency of the product
- A great value addition to the weaving machine.

NuovoPignon/SMIT Machine The accurateness in settings & functioning introduces an easy way to adjust weft density for highest fabric weight & least yarn consumption. The most remarkable thing is that it creates lots of alternatives for the weaver to manage the fabric marks & quality. In addition pc connectivity & internet options offer loom data monitoring either locally as well as from a remote place too.

NuovoPignon / SMIT. Machine The let-off motion is electronically controlled with load cell for different setting. Warp tension can be set by digital system. Warp beams with 800, 1000 and 1200 mm with following configuration can be available:
- Twin beam with differential drive.
- Twin beam with bilateral let- off.
- Double simple beam or double twin beam.


A double warp let-off for heavy fabrics ensures microprocessor controlled constant warp tension. This guarantees easy let-off of both half-beams. The reading system of the warp tension is independent for the two beams. In the warp let-off is optimized by a unique and extremely versatile backrest support ensuring significant advantages even in the case of heavy weight fabric are also equipped with a twin beam version, with independent drive system for the two beams, ensuring constant warp tension.

Let-off and take-up motions are identical in construction, simplifying handling as well as spare part inventory. Each motion utilizes a resolver as the measuring system, connected together with the sensor to a control circuit. Even when weaving with twin beams the precision of the entire system is maintained. The accuracy of setting the warp tension on the display is in the region of 1 gram and in the case of the take-up, up to 0.01 pick/cm.

Take-Up Mechanism in NuovoPignon/SMIT Machine

The take-up motion is also electronically controlled and synchronized with let-off motion. Inside the machine the cloth is wound on to a 600 mm diameter cloth beam. External cloth beam on to batching motion up to 1800 mm cloth roll diameter is also available. The required pick density can be programmed on the microprocessor keyboard or the jacquard control unit. The accuracy of the setting ensures easy to adjust of the pick density of the fabric for optimum fabric weight and minimum yarn consumption. The electronic take-up also makes it possible to weave fabric with variable pick densities.

Drive to the Reed and Rapier in NuovoPignon / SMIT. Machine

The rapier drive system is derived from positive cams, manufactured from a single piece of steel, which also incorporates the cams for the drive. High speeds are possible due to the special profile of the cams governing the movement laws of the rapier.

The profile is designed to transmit the lowest possible acceleration to the filling yarns. In Dornier rapier weaving machine, type PS, the rapier and reed are driven through gearboxes with complementary cam assemblies with exceptionally precise control. Two highprecision synchronized gearboxes, one at each side of the machine, provide the drive for the filling system and reed beat-up. The compact construction and massive drive dimensioned components create little vibration and a high degree of functionality, thus achieving a secure Centre transfer of the filling. A continuous lubrication system provides for increased performance, low maintenance, and high longevity of the new gearbox generation.

NuovoPignon / SMIT has developed the oscillating rotational motion of the rapier wheel generated by a simple, robust, three-dimensional crank system, ensuring reliability, and requiring no maintenance or adjustment. The driven by a set of complementary cams with cam followers on both sides of the machine. They run in an ion bath connected to the central lubrication system.

The reed holder is perfectly balanced and provides a powerful beat-up over the whole weaving and ensuring less vibration. When weaving heavy and densely beaten fabrics, the machines system has a strategic role.

For developed several drive units for narrow loom and three for double-width machine fixed on the main cross
bar and coupled to the connecting shafts. The optimized geometry of the kinematics, strengthening of the cam-shafts in the balancer and cam-reading shaft, centralized lubrication for the drive units all these help to guarantee big advantages in terms of stability.

**Automatic Start Mark Prevention in NuovoPignon/ SMIT Machine**

Automatic Start-mark Prevention (ASP) prevents starts mark at the source. The simple functionality of automatic start-mark prevention saves time and significantly contributes toward quality improvement. All the functions outlined in the illustration can be simply called up on the machine display and change as required.

**Electronic Control Technology in NuovoPignon/SMIT Machine**

The electronics of modern rapier weaving machine are based on multiprocessor architecture with 32-bit technology. Data transfer between the various sub units of the machine is via a CAN-BUS, permitting fast and reliable exchange of data both internally and externally. The terminal has a graphic display in which various functions of the warp let-off, cloth take-up, weft feeder, etc, can be programmed easily and clearly. The modern electronics give the following advantages:

- Ease of operation.
- High fabric quality irrespective of speed.
- Pick density alterable while the machine is in operation.
- Immediate help trouble-shooting problem.
- Self-adjusting stop position of the machine.
- Microprocessor controlled central forced lubrication system.
- Storage and monitoring of all the production data, efficiently.
- Machine function control, pattern weave, warps tension, pick density.
- Pick finding control and the elimination of stop marks by means of pro-set programs.
- Control and report of style change timing.
- Quick control of the electronic functions and monitoring of the machinery functions for protection.
- Bi-directional communication between the weaving machine and the central production computer.
- Speed set-up.
- Electronic weaving speed variation depending on the characteristic of the yarn being used.
- Control of warp let-off and fabric take-up.
- Electronic control of the filling tension.
- Transfer of setting and production parameters of a fabric style, to other machine with the help of memory cards.

In NuovoPignon / SMIT. Machine, most of the machine functions is digitally controlled. All the machine settings can be digitally stored and transferred. The electronic terminal on NuovoPignon / SMIT. Machine monitors and controls all machine functions. Its LCD screen has self-explanatory menus and enables the weaver to set the weaving parameters in a very user-friendly way. NuovoPignon / SMIT. Machine is also Internet-enabled. The NuovoPignon / SMIT. Machine terminal features wireless communication through a USB memory stick or key tag, permitting robust, flexible, handy and reliable operation. NuovoPignon / SMIT. Machine - intelligent pattern data programming. “Smart Weave” offers fabric designer intelligent support in the preparation of weaves design and picks repeats. The G6500 control interface is a user-friendly, Internet-ready touch screen terminals.

The logical structuring with self-explanatory Pictogram guides the operators to the desired function simply and with a minimum of keying. In the computer system is based on the CAN-BUS system.

This drives and controls all the main textile and mechanical function. With the CAN-BUS in mind, a new controller has been developed, called the Fulltronic. This co-ordinate all loom functions instant by instant, from the operating conditions of the various mechanisms to each individual response: heald movement, color to be selected, warp tension, density of the weft in the fabric, plus the messages describing the status of the lubrication circuit. Monitoring takes place at a frequency of more than 700 messages/sec.

The NuovoPignon / SMIT rapier-weaving machine, type PS, has control cabinet with integrated CANBUS and various modules for start, stop, warp let-off and fabric take-up as well as start mark prevention. The NuovoPignon/SMIT Customer Service Department can directly access machine displays - trouble shooting online. The Global Communication Network offers quick location and transportation of setting instructions, remote diagnostics.

**Machine Main Drive in NuovoPignon / SMIT. Machine**

The NuovoPignon / SMIT rapier-weaving machine is driven with a continuously running motor over a magnetic brake-clutch unit. Intelligent electronics monitor the acceleration time and control the exceptionally short brakes
time. This guarantees the full dynamics of reed beat-up on the first pick, thus eliminating start mark. NuovoPignon / SMIT have developed the Sumo main motor. It drives the weaving machine directly, without belt transmission or clutch and brake. The machine speed is controlled electronically, which considerably reduces the setting time. With the Sumo motor it is possible to continuously adapt the machine speed pick-by-pick to match the strength of the filling yarn. With the help of this system, it is no longer necessary to keep the machine speed continuously low if there is one weaker filling yarn in multi-channel weaving.

With the Sumo motor it is possible to continuously adapt the machine speed pick-by-pick to match the strength of the filling yarn. With the help of this system, it is no longer necessary to keep the machine speed continuously low if there is one weaker filling yarn in multi-channel weaving. The advantages of Sumo motor are:

- Saving on energy consumption of more than 10% in comparison with conventional clutch and brake configuration.
- Machine speed setting is done accurately and completely, electronically via the keyboard of microprocessor. This reduces the setting time to zero.
- Speed setting is easy to copy to other machine either with electronic set card or with production computer with bi-directional communication.
- NuovoPignon/SMIT. Machine Automatic pick finding becomes faster, which significantly reduces the down times for repairing filling and warp breakages.
- NuovoPignon/SMIT. Machine The machine can always work at optimum weaving speed in function of quality of the yarn, the number of frames, and fabric construction.

Conclusions:

Rapier weaving machine has become fast and exceptionally flexible. It offers a choice of various reed widths, shedding motions, selvedges and filling insertion colors etc. The weft color selectors of today’s rapier weaving machine are microprocessor controlled. Repair NuovoPignon/SMIT. Machine, improvement and machinery maintenance, repairs NuovoPignon/SMIT. Machine, maintenance and improvements of weaving looms and textile machinery.


- Maintenance of weaving machines and textile machinery.
- Improvements of weaving machines and textile machinery.
- Improvements of weaving machines and textile machinery.

- Key advantages:
  - Increase the level of machine automation
  - Extend life cycles of your equipment
  - Improve quality and productivity
  - Improve reliability

Repair NuovoPignon/SMIT Machine of weaving machines and textile machinery. If you have mechanical or electronically problems with your weaving machine or textile machinery then we can help you. When something is broken we can make a new part or repair NuovoPignon/SMIT. Machine it. We also Maintenance a NuovoPignon /SMIT. Machine repair textile machinery other than weaving machines. Maintenance of weaving machines and textile machinery. We have experience with all kind of weaving machinery and textile machines. Some brands of machinery we have previous worked, filling insertion system is microprocessor controlled and synchronized with other mechanisms. Shedding mechanism has become more versatile. Let-off and take-up mechanism is synchronized with other mechanisms so that minimum start-up marks produced in fabric in large diameter of take-up roll. Drive mechanism to reed and rapier provides minimum acceleration to the filling so that minimum filling breaks occur with high speed rapier machines.

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For Prof. Dr. Mansour Hassan, President of Beni Suef University, EGYPT, and Prof. Dr. Mohamed Madi, Dean of College, And Prof. Dr. Azza Halwany, Head of spinning & weaving Dept. For the permanent support of the work team in development, innovation and creativity ... in a way that encourages students and raises efficiency in accordance with the vision and mission of the college and the university.
International Istanbul Yarn Fair Will Meet Up With 
its Visitors and Exhibitors in February

Manufacturers operating in the yarn industry, which is the most important raw material of the textile industry, will come together 19th time at Tüyap Fair Convention and Congress Center. The Istanbul Yarn Fair organized by Tüyap, will show on the latest trends, innovations and technologies between the dates 16-18 February 2023.

The textile industry, which shines all over the World, gets its success from the yarn industry. The production and export capacity of Türkiye in the yarn industry, especially in cotton yarn, is increasing every year. Istanbul Yarn Fair, one of the most important exhibition in its scope, will bring together the rising Turkish textile industry and the biggest producers of the world at Tüyap Fair Convention and Congress Center.

The Fair Full of Success

2022 Istanbul Yarn Fair hosted hundreds of companies and thousands of products, 10,282 professional visitors from 86 countries in 19,000 sqm. area. Meeting the expectations of exhibitors and visitors, Istanbul Yarn Fair will add strength in 2023 as well.

The Effective Marketing Channels

The important marketing activities continue for the Istanbul Yarn Fair in Türkiye and abroad. Collaborations are made with national, international, sectoral, local broadcasting organizations and NGOs at the fair, where the effective marketing channels including conventional and digital tools, are used. The yarn industry professionals are invited to visit the fair thanks to Tuyap foreign offices from the 4 countries, and representatives network from over 80 countries.

The Large Scale of Scope Attracts Attention

Thousands of yarn types from cotton to wool, from elastan to acrylic, from silk to viscose and bobbins, spool and reels will be presented to ready-to-wear and textile industry professionals. The exhibition where those interested can see many product options at the same time, will be held on 16-18 February, 2023 as a platform where new business contacts are established.

Take Your Place For 2023 Istanbul Yarn Fair

After the successful 2022 fair, Istanbul Yarn Fair sales started with the demands from the companies. You can contact our sales team at info@iplikfuari.com e-mail address and www.iplikfuari.com website to take your place in Istanbul Yarn Fair.
FLT demonstrating the use of FiberTect to wipe away toxins from the skin of an animal

Recent work by the U. S. Army has shown that FiberTect wipe can decontaminate biological toxin spores as well.

With heightened political tensions in some regions of the world, high-tech sectors like defense, personnel protection and semiconductor are gaining due attention. Advanced textiles find applications such as decontamination wipes, body armor, medical textiles, wearables, etc.

Investment in science and technology to boost innovation and grow the economy is recognized as a high priority in the United States and United Kingdom amidst dire economic situations. The Chips Act in the United States and the recent Autumn Statement by the United Kingdom’s Chancellor of Exchequer are testimonies to the necessity.

Chantilly, USA-based First Line Technology (FLT) has been working to develop multiple applications for the nonwoven wipe, “FiberTect” that can contribute to global security. FiberTect technology evolved out my invention at Texas Tech University. FiberTect is a platform technology based on its universality to wipe away different CBRN agents, as well as with the use of different fibers such as cotton, polyester, and blends as absorbent layers, depending on the application and need.

“FiberTect was one of the first patented technologies out of Texas Tech University, and through industry partnership with First Line Technology and Hobbs Bonded Fibers, it has proven to be one of the most widely commercialized from TTU over the past two decades,” stated Cameron Smith, Director of Commercialization at TTU System.

FLT’s continued efforts are taking FiberTect to the next level making it a universal wipe for chemical, biological and radiological protection. Recent effort by the U. S. Army has shown that FiberTect is able to efficiently wipe away toxic microbes such as bacterial spores just using the dry FiberTect wipe. This method is advocated for cold weather regions of the world where liquid freezes making wet decontamination methods inefficient, such as Siachen glacier, and other high-altitude regions. This study showed FiberTect dry wipe can decontaminate *Bacillus atrophaeus var. globigii* (BG) spores up to 94.93 percent. This research proves the applicability of FiberTect nonwoven wipe.
against biological toxins in addition to its efficacy against chemical agents like mustard gas and fentanyl particles.

“FiberTect was originally developed for toxic liquid chemicals such as chemical warfare agents, but it has proven equally effective at the physical removal of fine powders like fentanyl and weaponized bio-agents,” stated Corey Collings, Director of Research and Development at FLT.

“There is a need to develop functional products that can sense and wipe away opioids and fentanyl products. These products although used in pain treatments are regulated items that need good control and hence there is a need to develop effective decontamination products such as wipes,” stated Dr. Vaclav Trojan of the International Clinical Research Center at Brno-based Masaryk University, Czech Republic. Adsorbent and absorbent wipes like FiberTect can play vital role in wiping away fine particles that contain fentanyl compounds, added Trojan.

The need for such high-tech wipes has been expressed by Dr. Jan Halamek, Director of the Institute for Forensic Science at Texas Tech University. “United States is going through unparalleled opioid crisis, where fentanyl and its analogs represent the deadliest drug threat we have ever encountered. Highly porous and absorbent wipes like FiberTect can be used as a decontamination countermeasure for fentanyl, which gives forensic scientists a tool to detect and decontaminate illicit drugs” stated Halamek.

FLT is advocating “Blot-Apply-Remove,” method that uses dry FiberTect wipe to wipe away bulk toxic agents. Small amount of reactive agent is applied followed by again wiping with FiberTect. “The highly absorptive nature of FiberTect makes it far superior to paper towels or other absorbents in this procedure,” stated Corey Collings.

Translating research from laboratory to marketplace is critical these days for national security, economic growth, and job creation. FiberTect is a good model for such an activity, that showcases public-private partnerships. Initial applied research was supported by the United States’ government and the private sector picked-up the technology after robust evaluation by a United States’ National Laboratory. “Universities are critical to the technology commercialization process, providing not only foundational research but also translational research, directly impacting the commercial market and economy with new technologies,” stated Cameron Smith.

REFERENCES:
NEW CELLIANT® WITH REPREVE® RECEIVED AN ISPO TEXTRENDS AWARD
NEW CELLIANT® C REPREVE® C НАГРАДА НА ISPO TEXTRENDS

NEW CELLIANT® WITH REPREVE®
AWARDED A SELECTION IN ISPO TEXTRENDS AWARDS

»For the Third Consecutive Year Hologenix Receives Recognition in These Prestigious Awards»

Hologenix®, creators of CELLIANT®, is pleased to announce CELLIANT® with REPREVE® — introduced with global textile solutions provider UNIFI®, makers of REPREVE® — has been awarded a Selection in the Fibers & Insulation Category of ISPO Textrends Fall/Winter 2024/25.

Twice a year, ISPO recognizes innovative fibers, fabrics and components that are used to manufacture sports apparel. Both companies are excited that this innovation, whereby CELLIANT infrared (IR) technology is embedded into REPREVE, the world’s number one brand of recycled fiber, has achieved the prestigious honor. CELLIANT with REPREVE is a performance fiber made from recycled materials that have been enhanced with IR technology to provide wellness benefits to the consumer.

CELLIANT is a natural blend of IR-generating bioceramic minerals, which, when embedded into textiles, allows them to convert body heat into infrared energy, returning it to the body and temporarily increasing local circulation and cellular oxygenation. This aids significantly in muscle recovery, increases endurance, and improves overall performance in healthy individuals, among other benefits.

REPREVE recycled performance fiber consists of high-quality fibers made from 100% recycled materials, including post-consumer plastic bottles and pre-consumer waste. It is also certified and traceable with UNIFI’s U TRUST® verification and FiberPrint™ technology, which provide assurance that the product comes from recycled materials. Compared to virgin fiber, REPREVE helps to offset the use of petroleum, conserving water and energy and emitting fewer greenhouse gasses.

This award marks the third year in a row that Hologenix has had its CELLIANT technology recognized in the Fall/Winter Textrends Awards. CELLIANT in pure white was a Top Ten Winner in last year’s awards. The prior year, CELLIANT Viscose was a Selection Winner as well.

“We’re honored to achieve recognition from ISPO Textrends for the third consecutive year,” said Seth Casden, Hologenix Co-founder and CEO. “We are optimistic that this will be the first of many accolades to come for CELLIANT with REPREVE, which helps brands and consumers create innovative products that are both better for us and better for the earth.”

About Hologenix and CELLIANT
Hologenix, LLC, headquartered in Pacific Palisades, California, is a materials science company innovating products that energize all aspects of life. Its flagship innovation, CELLIANT®, is a science-backed infrared
(IR) technology that improves health and wellness by promoting restful sleep and enhancing performance and recovery. CELLIANT’s natural blend of IR-generating minerals is embedded into fibers, yarns and fabrics, powering bio-responsive textiles. CELLIANT is a key ingredient used by world-class brands in products spanning apparel, sleepwear, bedding, upholstery, uniforms and medical supplies.

CELLIANT is rigorously tested by a Science Advisory Board composed of experts in photobiology, nanotechnology, sleep medicine, and diabetes and wound care. The Science Advisory Board has overseen nine peer-reviewed published studies that demonstrate CELLIANT’s effectiveness and the benefits of infrared energy.

About Unifi, Inc.

UNIFI, Inc. (NYSE: UFI) is a global textile solutions provider and one of the world’s leading innovators in manufacturing synthetic and recycled performance fibers. Through REPREVE®, one of UNIFI’s proprietary technologies and the global leader in branded recycled performance fibers, UNIFI has transformed more than 35 billion plastic bottles into recycled fiber for new apparel, footwear, home goods, and other consumer products. UNIFI continually innovates technologies to meet consumer needs in moisture management, thermal regulation, antimicrobial protection, UV protection, stretch, water resistance, and enhanced softness. UNIFI collaborates with many of the world’s most influential brands in the sports apparel, fashion, home, automotive and other industries. For more information about UNIFI, visit www.unifi.com

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About REPREVE®

Made by Unifi, Inc. (NYSE: UFI), REPREVE® is the global leader in recycled performance fibers. Leveraging its proprietary regeneration technology, REPREVE® has transformed more than 35 billion plastic bottles into recycled fiber that is trusted by leading brands to develop sustainable products worldwide. REPREVE® offers advanced fiber technology that delivers enhanced comfort, greater performance, superior durability, thermal regulation, and more. As the only eco-performance fiber with U TRUST® product verification to certify transparency and traceability, REPREVE® is uniquely positioned to empower brands and consumers to champion sustainability. As a catalyst for change, REPREVE® is committed to leading the global shift towards a more sustainable future by innovating today. For more information about REPREVE®, visit www.repreve.com

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Source: celliant.com
This is the idea which drives India ITME Society’s search for talented, stand out leaders, innovators and determined perseverance in their field of work. To mark 4-decade old successful journey of India ITME Society an award was initiated.

2nd edition of awards are Society’s humble attempt to recognize the exceptional & significant contributions that have influenced positive change in the textile engineering sector of our nation.

India ITME Society Awards 2022 is scheduled to be presented on 10th December 2022 at India Exposition Mart, Greater Noida, Uttar Pradesh.

With India aiming towards becoming a super technology provider to the world and having a vision of developing 100 Indian textile machinery champions, the India ITME Society has been instrumental in textile engineering and technology provider’s rise from scratch.

These awards will set the tone for the start of the biggest textile engineering show which will have the presence of international & national delegates representing ambassadors, council members, various ministries, state ministers, textile & state commissioners and global investors. The renowned textile entrepreneurs and emerging textile investors will all be a part of this event. The winners will be felicitated with cash award, trophy & certificate in the format best suitable to the category. With the wide network of the India ITME Society, the recognition of the awards will not just be limited to the delegate present at the award function but will also be circulated to the wide database & the entire press & ministry associated with the India ITME Society.

This 2nd edition of awards looks to recognize and felicitate awards in the following new categories:

Category 1 - Award for Overall Best Performer in Engineering Industry presented in 8 Specific categories (Ginning | Spinning | Weaving & weaving preparatory | Processing & Finishing | Garmenting | Printing | Accessories for Textiles | Technical Textiles);

Category 2 - Award for Best Innovative Technology for Pollution Control;

Category 3 - Women Leadership Award in Textile & Textile Engineering;
Category 4 - Award for Research Excellence Category 5 – Textile Maestro.

Society strongly believes that education is the foundation platform that has lifted this textile sector to such a glorious stage. So it has also introduced an award category specifically targeting youth, research & innovations. Mr. S Hari Shankar, Chairman, India ITME Society said, “The society & self strongly believes that the young minds of today are the colourful future of our Textiles, this is why in addition to the dedicated award category for our innovators in 2022 edition, we have always introduced knowledge programs for the learners. Our society over the years is initiating several constructive programs to recognize & empower knowledge to innovative researchers, and technical faculties as well as to act as an active connect between the knowledge hub -technical institutes & the ever-changing industry. I am sure, the success story of innovator recognized in our awards will attract more youths towards R & D in textiles”

To ensure fair practice and true unbiased nature towards the awards selection, the society has brought on board reputed textile technocrats from different sectors of textile.

Mr. Uday Gill, Group Chief Strategy Officer, Indorama Ventures Ltd., stated that “Encouragement and recognition are essential for people to innovate and grow to their full potential. While there are many prestigious awards, the India ITME Society promotes necessary niche categories and provides proper due diligence to the selection process. I am extremely proud to be on the jury panel and highly impressed by the caliber of nominations.”

Adding to this Mr. Updeep Singh, President & CEO, Sutlej Textiles and Industries Ltd stated that “Winning India ITME Awards will be an accelerator for the growth of engineering firms. The Society’s wide network will not only enhance the company’s reputation amongst the fellow industry but also among the most prestigious customer industry of the sector. Credits to Society for curating such an enormous opportunity for recognition. The award formations and the precision in the collection of information for the evaluation was perfectly poised.”

Application for the 2nd edition of award was opened in July 2022 with the intend appreciating the best in the industry. No stone was unturned, no shores left untouched by the society in its search to locate the best amongst the best, once all the gems were collected across the nation.

Stellar jury panel evaluated and selected the one’s that shone the brightest among all the stars. Selecting the winners took 2 days long deliberations where each were put through stringent litmus test.

This year Society introduced a Textile Maestro award to honor the legendary industry leaders of our Country & bestow the deserved respect & regard to the role model who inspires all. Jury Member, Mr. R Anand, Partner, Eastern Engineering Company opined “India ITME has chosen multiple avenues to remain connected with the textile industry eco system in India and overseas. The decision to recognize people in this eco system through a rigorous and independent selection process is a good initiative. India ITME underlines its position as the platform of choice for all engagements with the textile and textile engineering industries.”

Another effort to stimulate, encourage & motivate women’s leadership through recognized firm, encourage & empower women to come forward & make their mark in the highly competitive textiles, apparels, textile engineering & technology segment.

Mr. Gurudas V Aras, India consultant to the ITA group, Germany and APS GmbH & Strategic Business Advisor & Mentor for many textiles & engineering businesses stated and the jury member for both the edition commented “I have been fortunate to be a jury member for the India ITME Society awards since its inception in 2019. The award nominations for both editions have simply amazed me. Having worked in our engineering sector for decades, this technology award creation by the Society was a feeling of achievement since it will yield deserving recognition to fellow Indian machinery producers. The domain-specific categories and the keen focus on encouraging women leaders by bringing extremely talented women leader’s nominations is an inspirational work done by the Society. It will be my utmost honor to continue this journey of aiding recognition and mentor-
Mr. Sanjiv Lathia, Past Chairman of India ITME Society stated “India ITME is always presenting opportunities & platforms for the manufacturers and businessmen from the textile industry and the textile engineering industry. ITME Awards is another excellent opportunity for the awardee organization to showcase their innovation and build their reputation across the textile horizon globally taking advantage of ITME global connect. International exhibitors, Government representatives, Business visitors and buyers, foreign delegates, Embassy & Consulates will all be present at the Technology Award Function.”

Dr. Manisha Mathur, Joint Director, SASMIRA stated “India ITME Awards motive of felicitating and encouraging innovations, research in every edition is a remarkable feat knownst to all segments of textiles. They are trying to bridge the gap between academic research and industry application. With the introduction of “Research Excellence” capturing students, faculty and institutes is an encouraging work which will truly inspire more and more faculty and students to invest in finding innovative and sustainable practical solutions.”

Mr. Manohar Samuel, Advisor, R&D Reliance Retail

“An award is a brilliant tool to inspire excellence in a chosen domain, giving the visibility and pride that come with it. They truly help organizations in benchmarking their products, processes and services with peers and also in sharpening execution skills through cross learning. Being the leading representative of the Textile Engineering sector, India ITME Society has always encouraged a spirit of innovation and entrepreneurship for the sector’s growth. Conceptualizing the awards encompassing a wide spectrum - Technology, Individual and Sustainability is one such wonderful initiative. I enjoyed being amongst the elite jury and believe me, we had a tough time in drawing out winners from outstanding contributions. I wish India ITME, the award winners and all participants the very best in their journey of excellence and nation building.”

Mr. Ketan Sanghvi, Hon. Treasurer, India ITME Society

All the nominations were screened for their eligibility by Suvin – the technical coordinator for the event and then the summarized applications were presented to the jury for further scrutiny and selection of the winner. Mr. Avinash Mayekar, Managing Director of Suvin shared his experience over the last 2 years whereby he and his team has provided the technical know-how and format in these awards. “I have seen India ITME society adding value in each and every activity year by year. It was a great honor to be associated with their vibrant success stories. Of course, ITME award ceremony was also a great honor to be with leaders of industry and dynamic ITME management team. Our first edi-
tion was for associations across India and in this edition we decided to give justice to the industry in all segments from research to innovation, from corporate leaders to tribal communities, from woman empowerment to green initiatives. It was real encouraging assignment with heavy weigh jury members and a great association with ITME board members.”

Mr. S. Hari Shankar, Chairman & Members of Steering committee of India International Textile Machinery Exhibitions Society along with the Jury members takes great pride & pleasure in announcing the winners as below:

1. Category 1 – Top Performance in Textile Engineering Industry:

-Under the Spinning segment M/S Lakshmi Machine Works. Limited is accorded the award. Although other enterprises were neck to neck, the truly Indian make innovation in the product portfolio, systematic skill development program, and a detailed policy for quality and control introduced by Lakshmi Machine works impressed the jury members. They are producing the entire range of Spinning Machinery.

-Under the Weaving & Preparatory segment Rabatex Industries is accorded the award. Rabatex brand is well known for weaving preparatory machines and has excelled a lot in coming years for producing appropriate technology and giving service support to their customers for past six decades. They are offering sampling machines, sectional warping machines, rewinding machines to the textile industry.

-Under Finishing segment Texfab Engineers (India) Pvt. Ltd. is accorded the award. Texfab is one of the leading manufacturers and exporters of fabric finishing machine, fabric dyeing machine. Having strong customer service support and being a 100% Indian organization jury members have selected them as a winner in this category.

-Under printing segment ColorJet India Ltd. emerged as a winner due to innovative concept developed within India which is now gaining a lot of importance in overseas market. Colorjet digital printing machine have also adopted green concept in producing and promoting digital printing machines.

-Under the Accessories for entire textile machinery segment Lakshmi Card Clothing Manufacturing Company Private Limited is selected as a winner mainly due to their excellent service support innovative product range and stringent quality control systems for spinning industry.

2. Category 2 – Best Initiatives for Pollution Control Technology:

-Under this category S. A. Pharmachem Pvt. Ltd is accorded the award. The company has developed a supporting recycling technology system. The technology under nomination was a Size recovery and reuse system from de-size wash liquor, a Caustic purification system after mercerization wash liquor, and Indigo dye recovery and reuse. The initiative is fruitfully answering the call of industry. It is also an established product offering water saving with a strong customer base for all three products.

3. Category 3 – Special Award for Women

The nominations received under this category were truly inspiring under different domains. All the winning women have created their mark in specialized area’s and are the inspiration for many women going forward. The jury and the India ITME Society seeing the caliber of these women and their dedication declared special categories to award these talented women who have overcome the odds of society and reached new heights. The special women awarded are as follows:

Women Entrepreneur –
Under this category Ms. Deepa A Kumar is accorded the award.

Ms. Deepa A Kumar is the Founder & CEO of Yashram Lifestyle Brands

Her product’s regular & technical innerwear like period panties, incontinence innerwear for the elderly, leak proof nursing bras for breastfeeding moms, maternity hygiene panties to prevent UTI during pregnancy & more are curated to resolve the pressing matters of the women of today. Her product is also patented in India and USA as well since 2009. She is also an active socially responsible individual engrossed in many social projects, especially her work at www.HowToTellYourChild.com has been appreciated by the likes of UNESCO. Being a woman founder, she ensures that the less privileged women from our country are given a chance to earn a livelihood. So through her company’s initiatives around 40 women from a small town in Andhra Pradesh were firstly given training & later on provided employment.
Nurturing Women Empowerment—
Under this Category Ms. Neha Jhunjhunwala, Director, Sarla Performance Fibers Ltd.is accorded the award.

Ms. Neha 3rd generation in the business, began with just one objective - to upgrade the company from a successful family run company of 3 decades to an Indian MNC. From focusing on building a brand image for her organization to cater in the B2B & B2C sector she is passionate to canvass India’s brand name in performance textiles on global platforms. Neha truly believes in the power of equity and so under her leadership the company is appreciating & hiring more women at all levels. Early this year, the company hired a lady as plant head, a profile that is predominantly a male domain across the textile industry. Her actions are deserving of the title women empowerment.

Woman Master Weaver –
Under this Category Ms. Santoshi Kewat is accorded the award.

Ms. Santoshi may not have been a director of multi INR companies but have managed to thrive & shine bright with her leadership qualities. Being just 8th std pass academically she had today managed to become a certified master weaver. She also took initiative of bring many other women from her village and training them the skills and creating a source of income for the other women. Her initiative has helped in the revival of the traditional handloom art form. She is also a director of the SHG group and a master weaver of Maheshwari Creations which is a specialized handloom saree, dupatta & bedsheet enterprise.

Restoring Traditional Skills –
Under this category Ms. Kumari Raita is accorded the award.

Ms. Kumari Raita was not society-privileged economically or educationally but today is contributing towards reviving traditional textiles & inspiration for women to become self-dependent and create a name of their own. She belongs to a Particular Vulnerable Tribal Group (PVTG) belonging to the Saura Community in the Gajapati district of Odisha state. She has learned carpet making in a limited period and has created an example for other girls from her society. The traditional hand-weaved carpet which was a dying Tibetan art form that will now be kept alive, especially among the Saura PVTG’s credits to her efforts and hard work.

4. Category 4 – Research Excellence –
Under this category Dr. Rekha Ramakrishnan from SASMIRA is accorded the award.

The nominations for this category amazed the jury members. The research result, future impact, practical application, cost effectiveness, were the main criteria for selecting the winner. Depth of research was also thoroughly examined. The relevance of research conducted by the institutes was truly commended by the jury members. The jury members quoted “The young R& D wing of India is in a great shape”. The winner of this category was “Dr. Rekha Ramakrishnan, from SASMIRA Institute for her research topic - Supercritical Carbon-dioxide based waterless Pre-treatment Technology for Cotton. The topic being innovative, sustainable solution and leading to saving of water utility raked higher above the other categories.

5. Category 5 - Textile Maestro –
Under this category Mr. S P Oswal, Chairman & Managing Director, Vardhman Group of Companies is accorded the award.
There will not be a single person in the industry unfamiliar with the marvelous work done by the maestro. The word Maestro perfectly sync’s with the legend. Being honored with the most prestigious award Padma Bhushan by the government of India in 2010 for his services to the fields of trade and industry, Enlisted among India’s Best CEOs (2017), Udyog Ratna by Ph.D. Chamber of Commerce & Industries in 2005 and Lakshya Business Visionary Award by the National Institute of Industrial Engineering in 2019, the India ITME Society being an active driver for the society would like to humbly recognize the stalwart with a small token of our appreciation. He is a true industrialist for our textile industry. A gold medalist from his university, he has provided guidance and vision that has seen the empire of textiles rise in India. It was his contribution that has strengthen the spinning industry of India. He is also regarded as the force behind the establishment of the Ludhiana Stock Exchange in 1983. Apart from leading the Vardhaman Group into a position of prominence in the Indian business milieu, his tremendous dedication to social initiatives has helped in the upliftment of society. Village adoption programs in the state of Punjab, Sri Aurobindo College of commerce and management are a few of his social programs that have levitated the society economically and developed skilled knowledgeable youths for generations.

The awards will be presented on 10th December 2022 at India Exposition Mart at the highly prestigious CEO Conclave —“Empowering Textiles through Technology”. CEO conclave is an interactive closed-loop forum conceptualized to bring together high-level decision-makers from Government & eminent industry leaders from India and key stake holders from across the globe. The conclave will have representation from Overseas Delegates, Government Officials, and CEO & Managing Directors of top-notch Indian & International Textile & Textile Machinery companies.

India ITME Society in order to create deserved recognition of the achievements for all its winners will be presenting the awards in the presence of the very best from all the stake holders of the textile industry. In order to give due credits to the winner, the society will be presenting them with a token of appreciation in the form of a trophy and certificate along with Cash price to appreciate the efforts of the awardee’s work.

Mr. Hari Shankar, Chairman, India ITME Society

“Every edition of India ITME Society awards will try to do justice and grow bigger, better & bolder by introducing strategic categories and reaching a wider audience. The credit for the growth of the awards goes to none other than the fellow participants themselves. It is their dedication and hard work that add value to the award categories. We are grateful for all the applications received which were exceptional in their domain. We also thank every applicant for their belief in the society and urge all the other fellow companies to participate in the next edition and help us build a bigger and bolder award ceremony during the next editions. Sincere appreciation goes to the elite jury panel who took time out of their busy schedule to help us ensure smooth and unbiased decision making,”

India ITME Society through this prestigious awards has again remained true to its industry label of being a torch bearer for the engineering sector in textiles. Today once again when our industry is coming back on track post the unseen pandemic effects, society is making the much-needed effort to recognize the vastly evolving textile engineering sector, the innovative researcher & the women power of 2022.

Visit India ITME 2022 from 8th – 13th December 2022 at India Exposition Mart Limited, Greater Noida, U.P.

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Automotive carpets are typically multi-layered systems that can be challenging to recycle. By introducing a carpet made of 100% polyester, Autoneum now opens up new opportunities for vehicle manufacturers to meet their ambitious sustainability targets. The innovative carpet systems are fully recyclable, thus paving the way for an improved and more sustainable end-of-life recycling of electric vehicles. In addition, the high content of recycled PET as well as the zero waste and less energy-intensive production process further improve the carbon footprint of Autoneum’s new monomaterial needlepunch and tufted carpets.

In light of ever more stringent emissions regulations towards a greener and electrified mobility, vehicle manufacturers are placing increasing importance on the sustainability performance of individual components across the entire product life cycle. Autoneum’s new environmentally friendly carpet systems made of 100% polyester feature a high content of recycled raw materials. Their zero waste and latex-free manufacturing process also significantly reduces CO2 emissions as well as water and energy consumption. Additionally, by offering a fully recyclable carpet system, Autoneum is already supporting customers in an area whose importance for an improved sustainability performance of cars will increase even further in future: the end-of-life recycling of electric vehicles.

While the interior of cars with combustion engines is usually shredded together with other parts – mainly the vehicle body –, thus making the reclaiming of textile products such as carpets practically impossible, e-cars open up new perspectives for end-of-life recycling. Since the battery has to be removed at the end of vehicle life in order to be recycled or disposed of properly, the demand for easy-to-dismantle products, especially carpets, for the interior of electric vehicles is increasing. However, such easily removable components not only facilitate access to the battery, but they can also be individually recycled at the end of product life, enabling car manufacturers to tap into previously unexploited sustainability potential. With its sustainable 100% polyester carpet systems, Autoneum is at the forefront of this development, offering customers today the fully recyclable components they need to achieve their sustainability goals tomorrow.

Autoneum’s fully recyclable carpet systems ensure a closed material loop and are thus tangible proof of the Company’s long-term commitment to improving the sustainability performance of its products and manufacturing processes. The 100% polyester carpets build on the existing lightweight and particularly sustainable Autoneum Pure technologies: the carpet surface, for example, is made of Di-Light or Relive-1, while Hybrid-Acoustics PET is used for the decoupler. Thanks to Autoneum’s innovative alternative backcoating (ABC) process, which uses a thermoplastic adhesive instead of latex, the production of the new monomaterial needlepunch and tufted carpets also requires significantly less energy and no water at all.

Autoneum’s sustainable tufted carpet system made of 100% polyester is already in development for an electric model of a German vehicle manufacturer that will be available in Europe and Asia.

Source: www.autoneum.com
INTERNATIONAL FAIR
OF TEXTILE, APPAREL, LEATHER & EQUIPMENT

19-20-21 DEC . 2022
C.I.C OF ALGIERS
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Under the Patronage of the Minister of Industry, CGCOM EVENT organizes the 5th edition of TexStyle Expo, the International Exhibition of Textile, Clothing, Leather and Equipment from December 19 to 21, 2022 at the C.I.C of Algiers, Algeria.

This 5th edition promises to be dense and full of potential, thanks to the increased and expected participation of many countries, including Algeria, Turkey, China, Tunisia, Russia, India, Pakistan, Bangladesh and others in progress, hence the reservation of more than 60% of the surfaces has already been confirmed.

All the subsidiaries and the major professions intended for the development of the textile and leather sector meet at the TexStyle Expo; from raw materials, semi-finished products, machines, equipment, design, processes and services to ready-to-wear, shoes, leather goods, linens and accessories. B2B meetings will be organized by an exhaustive cycle of professional conferences, the program of which will be released shortly.

To exhibit at this event please register at the link below or contact us - https://textyle-expo.com/en/comment-exposer.php?utm_source=newsletter&utm_medium=email&utm_campaign=TexStyle%2bExpo

Website event: www.textyle-expo.com

The tour starts in Berlin for presentation of the 95th edition of MICAM Milano

Three events are scheduled, in Berlin, Seoul and Brussels. Markets of great interest for footwear exports, all growing in value in the first half of the year:
* Germany +22.4%
* Korea +20.8% and the Benelux countries +29.9%

MICAM Milano is still the focus of attention of the footwear industry around the world.

To inform buyers about the event and allow them to discover all the opportunities it offers, three teaser events will be held in December 2022 presenting some of the new features of the upcoming edition scheduled for 19 through 22 February 2023 at Fieramilano - Rho.

The tour starts on 1 December, in Berlin, at the Soho House Polit Bureau, where an exhibition of footwear by Emerging Designers will also be set up. On 5 December, the event will fly to High Street Italia in Seoul, Korea, and will come to a close on 14 December in Brussels, at the Bruxelles Tour & Taxis Orangerie. The three teaser events have been organised in conjunction with the Italian Trade Agency.

The three events offer an opportunity to present the new trends for next season, anticipating the mood of the F/W 2023/2024 collections thanks to the experience of the platforms MICAM relies on each season. In Berlin and Brussels MICAM will showcase Livetrend, while the Seoul event will focus on trends identified by WGSN.

“MICAM has always offered dealers all over the world a privileged opportunity to keep up with the latest trends and new developments in footwear,” explains MICAM and Assocalzaturifici Chair Giovanna Ceolini. “Italy has once again confirmed its position as the EU’s biggest footwear manufacturer by far, producing 148.8 million pairs of shoes, making the country the thirteenth biggest producer world-wide. When it comes to exports, Italy ranks eighth in the world, but third in terms of value. Italy has always held a position of unrivalled leadership in production of high-end and luxury footwear with a high fashion content. And in fact the average price of Italian exports is the highest among the world’s top 15 footwear exporters by value. Exports grew 24% in terms of value and 13.5% in terms of quantity in the first half of the year as compared to the same period in 2021.

Germany grew in the first half of 2022 in terms of both value (+22.4%) and volume (+20.6%), ranking fourth in the ranking of destinations for Italian exports by value and second in terms of volume.

While Korea registered a growth rate of +21.1% in terms of quantity and +20.8% in terms of value, ranking ninth and seventeenth in the ranking of destination countries by quantity and by value, respectively. Lastly, the Benelux area reports 25.7% growth in quantity and +29.9% growth in terms of value. Exports are of fundamental importance in our industry, and introducing an even broader selection of international buyers to MICAM means multiplying opportunities for trade. In this regard, I wish to thank ITA for its valuable work promoting our companies and their international growth around the world”.

We look forward to seeing you from the 19th to the 22nd of February, 2023!

In the meantime, keep following us on our social channels.
#micam #micamtales

Source: www.themicam.com
5th International Dyestuff, Pigments, Textile Chemicals, Digital Textile Printing, Dye and Technologies Exhibition

24 - 26 November 2022
Istanbul Expo Center

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