

BeBop Sensors Launches Wearable Smart Fabric Technology

BeBop Sensors, Inc., the wearable sensor technology company created by musical instrument inventor Keith McMillen and KMI, announced today their first product, the BeBop Wearable Smart Fabric Sensor, the first and only ultra thin wearable smart fabric sensor that measures all aspects of physicality, including bend, location, motion, rotation, angle, and torque. Employing BeBop's patented proprietary Monolithic Fabric Sensor Technology, BeBop fabric sensors continuously provide real-time reporting on force, x/y location, bend, twist, size, stretch and motion for markets, including clothing and protective wear, shoes, healthcare devices, athletic equipment, automotive, robotics, aerospace, gaming, biometrics, prosthetics, recycling monitors and appliance markets.

Unlike other wearable sensors on the market today that only measure physiology (EKG, EMG), electrical conductivity or breathing, BeBop measures actual physicality to sense and display 3D maps of data. Fundamental, tested, and extensible with over a million sensors already in daily use through KMI's musical instrument products, BeBop's Monolithic Fabric Sensors integrate sensors, traces, and electronics into a single piece of fabric to provide greater sensitivity, resolution, range of deployment, and robustness — all with a tiny size.

Largest Cinte Techtextil China welcomes around 460 exhibitors

Asia's leading technical textiles and nonwovens trade fairs took place, covering three halls totalling 35,000 sqm, which makes it the largest event in its history.

The exhibition that took place from 24 – 26 September at the Shanghai New International Expo Centre welcomed around 460 exhibitors from 22 countries and regions displaying their innovations as part of the full range of industry product groups with 12 different application areas on display.

This year's highlights in the International Hall include pavilions from Belgium, Germany, Italy and Taiwan, as well as a European Pavilion. In the two Domestic Halls, pavilions from China Hi-Tech Group Corp, Shangtex Holding and Zhejiang Tiantai feature.

Jakob Müller presents new air-jet technology for label market

Jakob Müller has introduced its new MÜJET MBL6 air-jet label weaving machine, the systematic further development of the MBL machine series, at ITMA Asia + CITME trade fair

for textile machinery that took place in Shanghai this summer. With a speed of 950 min⁻¹ and a working width of 1,200 mm, the MBL6 facilitates the efficient production of labels, images and technical narrow fabrics with cut selvages, the company reports.

The robust and compact design of the MÜJET MBL6 1/1380 is said to be ideally suited for top production performance. It is designed to allow easy access to all the important machine components and control elements.

In comparison with its predecessor model, the working width of the MÜJET MBL6 has been increased to 1,200 mm. A significantly higher production capacity has also been achieved thanks to a reed width of 1,380 mm and a speed of 950 min⁻¹.

Shedding takes place using an electronically controlled SPE3 1536 jacquard machine with patented bottom shed read-in. The jacquard machine is mounted directly on top of the basic machine, reducing the space required to a minimum.

Additional advantages include a machine height of 3.65 m and its low weight. The new air-jet weaving machine can manufacture more labels per hour in a production area of only 2.05 m by 4.25 m and a reduced building volume.

First Edition Of Texworld Istanbul Fully Booked

Texworld Istanbul, the long-awaited apparel fabrics and accessories fair both in Turkey and surrounding regions, is celebrating its premiere at Istanbul Lütfi Kırdar International Convention and Exhibition Center on 04-06 November 2014. With this fair, Messe Frankfurt, worldwide leader in textile fairs, has expanded its fair portfolio in Turkey. The trade fair is fully booked. 10 countries are represented by 115 exhibitors from China, France, Germany, India, Indonesia, Hong Kong, Pakistan, South Korea, Taiwan and Turkey.

Texworld Istanbul includes all product groups that are part of Messe Frankfurt's apparel fabric brand events around the world. The exhibitors will present cotton, embroidery and lace, knitted fabrics, wool and wool blends, silk and silky aspects, functional fabrics, linen, prints, design offices, accessories, fibers and yarns and denim. Therefore, the exhibitors at Texworld Istanbul reflect the entire market for apparel fabrics and accessories.

The Pakistan participation will present cotton and functional fabrics whereas the Taiwanese group will showcase blended fabrics, knitted and functional fabrics for leisurewear and sportswear. India, South Korea and Indonesia will display embroidery and lace, silk and silky aspects. Additionally, Turkey, South Korea and Taiwan will offer products for the knitwear sector. In addition, Taiwan, India and Pakistan will also present fibers and yarns in a separate product group area.





World Textile News

ITMA 2015 Expands To An Eleventh Hall Due To Heavy Demand For Space, Online Nomination Of ITMA Sustainable Innovation Award 2015 Opens

Due to strong industry response, ITMA will be expanding to an additional hall in Fiera Milano Rho in November 2015, with all the current halls fully booked more than one year before the event. Mr Charles Beauduin, President of CEMATEX, the European Committee of Textile Machinery Manufacturers, which owns ITMA, explained: "The demand for space has been very strong with applications still streaming in, and we have therefore added an eleventh hall to the show which will house the Fibre and Yarn, Research & Education, Colourants and Chemicals, Software and Recycling sectors. This expansion is excellent news for exhibitors and visitors alike."

To be held from 12 to 19 November, ITMA 2015 showcases end-to-end solutions for the entire textile and garment making chain. To date, 1380 exhibitors from 47 countries have signed up to take part in the exhibition.

Ms Eileen Ng, Executive Director of MP Expositions, the organiser of ITMA 2015, stated: "We are delighted with the strong take up of space for the show, which reinforces ITMA's position as the world's leading textile and garment manufacturing technologies exhibition. This latest hall is on the second level of the venue and is centrally located near the south entrance where the ITMA conferences will be held. It has easy access via a linkway which connects to the halls on the ground level via escalators, and visitors arriving at the venue will be able to access all the exhibition halls via this linkway."

The exhibition, with a gross size of over 200,000 square metres, will be complemented by several knowledge exchange and networking platforms. Among them are the Research and Education Speakers' Platform, World Textile

Summit, Nonwovens Forum and Textile Colourants and Chemicals Leaders Forum. In addition, a new initiative has been launched - the ITMA Sustainable Innovation Award.

Dubai Int'l Textile Fair gets good response

The debut International Textile Fair (ITF) was excitedly welcomed by textile buyers, distributors and designers from the Gulf region. As many as 99 companies from around the globe showcased new trends in fashion, fabrics and clothing at the two-day event which opened at Dubai World Trade Centre. The International Textile Fair debuts in Dubai at a time when the UAE's annual textile exports crossed \$1.6 billion, representing 7.7 per cent of the global export market. The UAE is the world's third largest exporter of textiles, after the United States and the United Kingdom.

The fair has attracted a wide range of textile mills and a large print designers. Exhibitors are mainly from Europe, India, China, Indonesia, Mongolia, Japan, Korea, Turkey, Italy, France, Spain, Pakistan, Mongolia, Taiwan and Hong Kong as well as other high-end manufacturers from around the world.

The highlights of the shows are the spring and summer 2015 pre-collection and autumn and winter collection of trendy fabrics. The fair provides a platform for buyers and designers to view the showcased latest trims and accessories, from current ranges to 2015's pre-collections. The ITF is expected to give boost to the booming UAE textile industry which was valued at \$13.2 billion (Dh48.5 billion) in 2011, and is growing at 9.9 per cent annually, according to industry figures.

The Gulf countries are gradually becoming the world's leading textile manufacturing and trading centres due to a sound economic environment and fair trade practices, according to a recent international report. By 2016, the UAE will become the world's leading high-end textile and garment re-export centre.

are also able to block bacteria, fungi, and even viruses. These properties do not affect the respiration process, and respiration remains at desirable level."

Dr. Faridi explained how nanofibers had been produced through electrospinning method, and said, "In electrospinning process, the molten polymeric solution is sprayed to the opposite electrode due to the imposing of high voltage. Polymeric solution turns into nanofibers as a result of this transfer and nanofibrous felt is produced in the end."

Commander Highlights Iran's Military Power

Iran's Navy Commander underlined the Islamic Republic's military power in the world.

Rear Admiral Habibollah Sayyari said Iran's military might has turned it into a powerful country in the world. He also highlighted Iran's advances in different fields and said the country is among the leading nations in nano-technology, military fields and construction of carriers and destroyers.

Iran has in recent years made great headways in manufacturing a broad range of military equipment, including naval vessels and air defense systems that use cutting edge technologies.

Tehran has repeatedly stated that its military might is defensive in nature and poses no threat to other countries.

Iran, India Eying Improved Economic Ties

Iranian and Indian officials conferred on ways to further develop economic and trade relations and cooperation between the two countries.

Governor of the Central Bank of Iran Valiollah Seif and a number of Indian economic and trade officials on Wednesday reviewed ways of expanding mutual economic and commercial cooperation.

Seif arrived in India for talks with the country's officials on mutual commercial cooperation.

Value of Iran-India trade stood at \$41.62 billion in the first five months of the year.

Earlier, India announced plans to sign an agreement with Iran for the development of the port and New Delhi intends to lease two berths at Chabahar for 10 years.

India will float a company to develop Iran's Chabahar Port, a government statement said, as New Delhi aims to take advantage of a thaw in Tehran's relations with the world powers.

The port of Chabahar in Southeast Iran is central to India's efforts to circumvent Pakistan and open up a

route to landlocked Afghanistan where it has developed close security ties and economic interests.

The planned Indian company will invest \$85.21mln in one year to convert the berths into a container terminal and a multi-purpose cargo terminal, the statement said, adding India would consider the participation of Iranian firms if needed.

The Port of Chabahar lies on the border of the Indian Ocean and the Sea of Oman. It is the only Iranian port with direct access to ocean. The port was partially built by India in the 1990s to provide access to Afghanistan and Central Asia, bypassing Pakistan.

Iran's Chabahar port, which is located 72 kilometers West of Pakistan's Gwadar port, holds immense strategic and economic significance for India. Chabahar and Gwadar ports are located in a common coast and they are 70 kilometers away from one another.

No Permission Needed for Expansion of Iran-Turkey Ties

Turkey's new Ambassador to Tehran Reza Hakan Tekin in a meeting with Iranian Minister of Communications and Information Technology Mahmoud Vaezi underlined that his country doesn't receive any permission from foreign states for broadening its relations with Iran.

Iran in addition to being a neighbor, having long joint borders and deep age-old, cultural and political ties is a trade partner of Turkey as well, Hakan Tekin said during the meeting in Tehran.

For the expansion of relations and cooperation with Iran, Turkey will not receive permission from any country outside the region, he added.

Hakan Tekin referred to the firm determination of the Turkish government to make efforts for the expansion of its relations with Iran in the economic, trade, transportation and energy fields, and said he is determined to take steps towards removing bottlenecks which hinder promotion of relations.

Vaezi, for his part, said that relations between Iran and Turkey should not be halted due to subsidiary issues, adding that through constant meetings and direct talks measures should be taken to remove impediments.

The value of trade between Iran and Turkey in the first half of 2014 stood at \$6.5bln, according to data released by Turkish Statistical Institute.

Trade between Turkey and Iran stood at \$22bln in 2012 before dipping to \$14.5bln in the following year due to the economic sanctions imposed on Tehran by the West.



Iran Textile News

New Nanocomposites Help Elimination of Toxic Dyes

Iranian researchers from Tabriz University in association with researchers from Ataturk University in Turkey produced a composite nanocatalyst in a research project.

Results of the research have applications in various industries, including textile and pharmaceutical industries in the purification of industrial wastewater.

According to Dr. Alireza Khatayee, a member of the Scientific Board of Tabriz University, titanium dioxide nanoparticles stabilized on montmorillonite (MMT) bed were used in the production of the nanocomposite. The composite nanocatalyst has higher efficiency in the removal of contaminants than pure titanium dioxide nanoparticles.

Results of the research showed that stabilization of titanium dioxide nanoparticles on montmorillonite bed reduces the diameter of nanoparticles. Evaluations confirmed that the diameter of titanium dioxide nanoparticles has decreased from 70 to 50 nm after the stabilization on montmorillonite particles. Moreover, over 80% of the sample dye was eliminated from polluted water in only 90 minutes through sonocatalytic process in the presence of the produced nanocomposite. Generally speaking, it can be concluded that the use of nanocomposite results in a decrease in cost but it increases the rate of contaminator degradation.

"Since the raw materials are cheap and titanium dioxide/montmorillonite (TiO₂/Montmorillonite) nanocomposite is produced through a very simple method, we hope to produce it at industrial scale to be used in the purification of dying industry wastewater or in the removal of medical

contaminators," Dr. Khatayee continued.

Also in this research, it was shown that the increase in the amount of nanocatalyst and the power of ultraviolet waves modify the purification efficiency. In addition, the best pH value for the process was at neutral range.

Results of the research have been published in *Ultrasonics Sonochemistry*, vol. 22, issue 1, 2015, pp. 404-411.

Iran-Made Respiratory Nano Masks Provided to Hajj Pilgrims

According to Dr. Reza Faridi Majidi, a member of the Scientific Board of Tehran University of Medical Sciences and Managing Director of Fanavaran Nano-Meghyas Company, commercial masks adsorb only less than 50% of dust at micrometric scale and the rest of the dust pass through the masks. However, the performance of the masks can improve up to 99% by using nanotechnology and by producing respiratory masks modified with nanofibers.

After two years of studying the production of modified masks, researchers of the company obtained the technical knowledge for the production of filters, and they commercialized the production of efficient respiratory masks modified with nanofibers.

Having the potential to produce 18 million pieces of masks per year, the company produces the masks, and it has allocated 500,000 masks to the Hajj pilgrims of Mecca.

Dr. Faridi explained about the advantages of the masks, and said, "In addition to adsorbing various types of suspended particles at micrometric scale, the masks

Textile Excellence announces quadrennial mega textile technology show – ITMACH India

Following the runaway success of its regional show ITMACH – Bhiwandi, Textile Excellence has now announced its mega quadrennial event - ITMACH India – International Textile Machinery and Accessories Exhibition, India.

This year, ITMACH India is scheduled from December 10-13, 2014, in Ahmedabad.

The growing investment in technology by Indian textile and clothing industry, backed by supportive policies of India's central and state governments necessitates a large scale event in a hub that is central to this industry. Ahmedabad, as the location for ITMACH India, offers all facilities including world class infrastructure, road and air connectivity to the domestic and international cities and more importantly, it is an emerging business hub with a conducive business environment, in addition to having a rich legacy of textile and clothing manufacturing and trade.

"ITMACH India will be an event for the entire textile value chain from fiber preparation to finished goods making machinery and accessories including technical textiles. All Chapters of textile and clothing machinery, utility machinery, consumables and supporting service providers will meet the large Indian industry in a four day extravaganza. Further, the show will draw visitors from neighboring countries like Bangladesh, Myanmar, Nepal, Sri Lanka, Malaysia, Pakistan, Iran, Saudi Arabia and other Middle Eastern countries," informed the organisers.

ITMACH India will also host a series of seminars and workshops concurrent to the show, at the venue, dissipating knowledge and opportunity for networking and policy framing based on the current needs of the industry.

ITMACH India Compliments "Make In India" Campaign

ITMACH India, India's much awaited textile technology show, is a most appropriately timed event, from December 10-13, 2014, in Ahmedabad, Gujarat, as the Indian economy is finally poised to take off. GDP growth in the April-June quarter is the highest in the last nine quarters. Western markets, which account for a dominant share of India's textile and clothing exports are picking up too. The momentum is expected to continue.

ITMACH India is supported by the Govt. of Gujarat as "Principal Supporting State Govt.", Industrial Extension Bureau (iNDEXTb) of Gujarat and leading trade Associations like Confederation of Indian Textile Industry (CITI), PDEXCIL, SRTEPC as well as trade Medias.

Considering the size and response, ITMACH India is conferred by the status of pre-summit event to Vibrant Gujarat 2015 to stimulate investments in Gujarat.

The government's recently launched "Make In India" campaign, aimed at strengthening the manufacturing sector, has identified textiles and clothing as one of the focus sectors for its huge employment generation potential. At this juncture, ITMACH India exhibition will compliment the efforts under "Make in India" campaign.

To briefly summarise the targets for the next three years:

- The domestic textile and apparel industry in India is estimated to reach US\$ 100 billion by 2016-17 from US\$ 67 billion in 2013-14
- Exports of textiles and apparel from India are estimated to increase to US\$ 65 billion by 2016-17 from US\$ 40 billion in 2013-14
- Total fabric production in India is estimated to grow to 112 billion square metres by 2016-17 from 64 billion square metres in 2013-14
- India's fibre production is estimated to reach 10 million tonnes in 2016-17 from 7 million tonnes in 2013-14.
- By 2017, the country is expected to have 82 textile parks

For these targets to be achieved, the industry is currently in investment mode.



press
release



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Online nomination of ITMA Sustainable Innovation Award 2015 opens

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ITMA Sustainable Innovation Award 2015

CEMATEX is inviting entries for the award which recognises outstanding industry members and post-graduate students for their contributions to the sustainable development of the global textile and garment industry. The ITMA Sustainable Innovation Award comprises three categories: Industry Excellence Award, R&E Excellence Award – Masters and R&E Excellence Award – Doctorate. The latter two are open to post-graduate students. The winner of the Industry Excellence Award category will receive a cash prize of €10,000. For the Research & Education Excellence Award, the winner of the Doctorate and Masters categories will receive a cash prize of €5,000 and €4,000 respectively.

All finalists will receive certificates, ITMA 2015 full season admission badges, gala dinner tickets, and hotel accommodation. Nominations must be made by ITMA 2015 exhibitors online at www.itma.com by 1 March 2015.