

Textile Innovation on show at Milano Unica, 12 – 14 July 2022

In recent decades, technological innovation has also acquired a priority role in the textile and accessories sector for fashion clothing, increasingly involving operators all along the supply chain. With particular attention to this evolution, with the July 2022 edition, Milano Unica presents the new Innovation Area, responding to the growing need for product, process and service innovation, now absolutely essential for any manufacturing company.

Product innovation, however, could be more relevant if resulting not of a single production phase, but of an innovative approach spread throughout the supply chain, from raw materials to the finished product. In the Innovation Area of Milano Unica, organized by **TexClubTec** - the Technical and Innovative Textiles section of Sistema Moda Italia - there will therefore be companies representing the entire production chain and cutting-edge products will be presented, characterized by the ability to offer performance specific or made with innovative processes, thus offering a rich and diversified overview of the main companies in the sector.

In addition, the setting up of an exhibition Forum focused, in this edition of Milano Unica, on **"Textiles for clothing: Functionality and technology transfer from advanced application sectors"** intends to offer an overview of innovative and performing materials able to offer performance of extraordinary excellence while maintaining the well-being of the body in terms of versatility and comfort.

Profile of the Companies exhibiting in the Innovation Area:

CENTROCOT

www.centrocot.it - Hall 8, Stand n. INNOV.08

Centrocot is a certification and research center for companies throughout the textile, apparel and fashion production chain by providing specialized services such as laboratory testing, research, technical support, experimentation, training and certification.

Founded in Busto Arsizio (Varese, Italy) in 1987, Centrocot today employs over 100 people and is recognized as an excellence in the industry. With more than 500 ACCREDIA accredited tests and a highly qualified staff, it is one of the most authoritative references in Italy for sustainability, quality, chemical safety, innovation, certification and circular economy. Centrocot is also a Notified Body of the European Commission for the control of protective clothing and gloves for CE certification (notification 0624).

Centrocot is the only Italian body authorized to issue OEKO-TEX® certifications.

EXTREME SRL

www.extreme-net.com - Hall 8, Stand n. INNOV.07

Founded in 1994, Extreme Srl is a consolidated reality in the most technical textile sector, which offers its own "REFLECTIVE SOLUTIONS®" range, as fabrics, thermoadhesive labels made from the REFLECTIVE materials.

For years, we have developed other product lines, such as graphic transfers and injection molded and high frequency accessories. All the design phases, both graphic and technical, are developed by internal qualified staff.

As the latest novelty, Extreme offers rubberizing processes performed on ribbons and coulisses, the "GUMMY" effect of the company. Extreme's products or raw materials used meet the strict regulatory standards and are monitored with independent tests.

Extreme's ability in Research & Development, guarantees any type of customized solution, from the choice of materials to the finished product.

IMBOTEX

www.imbotex.it - Hall 8, Stand n. INNOV.05

Founded in 1955 and based in Cittadella, Imbotex Srl is an Italian leading manufacturer of natural, recycled and technological textile PADDINGS. The company is organized into two divisions: paddings for Bedding and Furnishings and paddings/high performance insulations for Fashion, Sportswear and Workwear. These two sectors operate in synergy with each other, thanks to an ongoing exchange of manufacturing technologies and know-how.

The company maintains a strong grip on its roots, operating in an area characterized by a lengthy tradition of manufacturing excellence and entrepreneurial spirit, while remaining open to ongoing dialogue with other international businesses and markets, partners, customers and suppliers

The entirely female entrepreneurial dynamism has in recent years directed the company strategy to the production of entirely Made in Italy textile products, enhancing the potential of natural materials thanks to a continuous search for new technologies.

The company philosophy is today based on the concept of Upcycling, a process according to which the materials destined to be discarded are used to create new products of greater value, both from the point of view of thermal insulation and sustainability.

In 2019 was founded Imbotex Lab. The new branch combines advanced insulations functionality with Circular Economy and sustainability contents.

Imbotex Lab has patented a process based on innovative technologies, divided into three steps: the first step consists in the collection of discarded virgin material scraps and in the sorting for different colors, in the second step the materials are transformed through an entirely mechanical process into very fine fibers, finally the process ends with the mixing of other fibers such as recycled polyester (or PLA for a natural and sustainable alternative) and finally the creation of the padding.

IT.TECH

info@ittechsrl.it – Hall 8, Stand n. INNOV.06

Production of technical fabrics for the fashion, sportswear, footwear, military and workwear markets. The production, intended both as weaving and knitted fabrics, makes use of synthetic fibers (polypropylene, polyamide, high tenacity polyamide, polyester, also in the stretch versions), natural (cotton, linen), artificial (viscose) as well as the more technical ones used for personal protective equipment (aramid, also mixed with Flame Retardant viscose, modacrylic-cotton).

The fabrics produced are also subjected to special finishing processes designed according to the final use of the product such as: laminations with polyurethane and PTFE membranes, polyurethane-based resin finishes, fireproof, hydro, oil and blood-repellent finishes, various types of bonding .

The production process is in accordance with the requirements of Standard 100 by Oeko-Tex®, Class II for items in direct contact with the skin and the company has a regular license to use the brand.

PENN ITALIA SRL / PENN TEXTILE SOLUTIONS GMBH

www.penn-ts.com - Hall 8, Stand N. INNOV.02

Penn Italia (PI) was founded in 1987 and is a partner company to Penn Textile Solutions GmbH (PTS).

Penn Italia oversees the creativity, development and marketing aspects of the group, under the ethos of "Created in Italy and Engineered in Germany".

Penn Italia's own product offer is driven by offering maximum flexibility to its customers, tailored to market and customer needs.

This offer includes:

- Atelier del Tulle – a wide range of net and powermesh fabrics with extensive colour ranges available from stock
- Molding: six molding machines in all cup sizes
- Print and flock collections
- Collaboration with a local dyer to create smaller dye lots
- Basici – a collection of competitively sourced classic fabrics, for example cotton Lycra.

POZZI ELECTA SPA

www.pozzielecta.it – Hall 8, Stand n. INNOV.04

Pozzi Electa has been expressing the excellence of Made in Italy in ring cotton spinning for 5 generations, through a zero-impact, rigorous and highly specialized production process, carried out entirely in Italy, Val Seriana.

The self-production of electricity from renewable sources grants a low environmental impact of the entire production line.

Our attention to the environment also involves the selection of raw materials, both noble and recycled. We choose suppliers of global significance, with trackable productions aimed at ensuring their non-involvement in labor and environmental exploitation.

The Pozzi Electa Collection includes a range of ring "Ecoyarns" produced with sustainable, recycled or natural raw materials: in particular NYLON BIO yarn, made with staple Nylon 6.6 characterized by a rapid biodegradation process; CRABYON yarn produced with chitin-chitosan deriving from recycling of the shellfish carapace, which confer antibacterial properties, the brand new yarns containing cellulose fiber obtained from orange ORANGE FIBER and other proposals available on its website.

In addition, we have recently obtained the GRS Certification (Global Recycle Standard), with which we guarantee our company's adherence to a sustainable production and consumption model. Our fibers currently involved in the GRS Certification are Cupro, Silk, Polyester, Cotton and Nylon, available as yarn as well as rovings and slivers.

SITIP SPA

www.sitip.it – Hall 8, Stand n. INNOV.01

Sitip is an Italian company specialized in the production of synthetic warp knitted fabrics for technical end uses, and stretch and circular knitted fabrics for apparel. In particular, the last ones are intended for sportswear and urbanwear and are able to combine technical performance and intrinsic quality of production and sustainability, thanks to the concrete commitment to innovative and sustainable production processes, as well as to research and development.

Sitip has further reinforced its ties to cycling and the expertise of over 60 years in the production of highly technical fabrics, becoming Official Supplier of the Giro d'Italia since 2014, with the supply of fabrics for the Maglia Rosa.

Over time, technical fabrics have been used not only in the world of sports but also in fashion and "athleisure" collections, where sports and leisure meet.

At Milano Unica, Sitip presents COSMOPOLITAN Fashion tech, a line of fabrics dedicated to contemporary urbanwear style and which perfectly meets the new performance and design needs. For men, Sitip presents COSMOPOLITAN Fashion-tech fabrics for the creation of men's suits, jacket + trousers and shirt in warp-knit fabric; for women, on the other hand, COSMOPOLITAN Fashion-tech fabrics are dedicated to athleisure, specifically for the creation of leggings and knitwear.

Some items in the collection are NATIVE Sustainable Textiles, i.e. fabrics produced with recycled yarns and chemicals with low environmental impact with a lower consumption of natural resources.

Sustainable development is a fundamental objective for ever greater environmental quality and social equity. To achieve this, Sitip operates in line with international certifications such as OEKO-TEX®, BLUESIGN®, GRS and joins the ZDHC gateway, adding to these an ISO 14001 environmental management system.

SITIP exports throughout Europe, Central and North America, Asia.

TRICK

www.trick-project.eu – Hall 8, Stand n. INNOV.09

The 1st of May 2021 TRICK officially started, a research and innovation project with a total duration of 42 months, approved by the European Commission in the Horizon 2020 funding framework program, with No. 958352 (anche per la versione in italiano meglio aggiungere il number's agreement).

The project has the ambition to develop a blockchain technology for small and medium-sized enterprises, starting from the collection of data related to production and the product in the context of traceability and ethical and environmental impact in a safe way, to make them known to the consumer. and to stakeholders, thus providing a more informed purchasing choice.

Goals of the project:

1. Circular economy roadmap - Define the needs of stakeholders in the area of ethical environmental impact and traceability along the supply chain, taking into consideration the regulatory frameworks in force and selecting the most significant certifications. Select communications and semantic standards, ontologies and official nomenclature for data collection and protocols for data sharing.
2. Standardized commercial services for traceability and transparency - Define the set of services necessary for stakeholders to implement and measure their traceability and transparency objectives. Set up a commercial offer of services including the guidelines necessary for the development of the TRICK platform.
3. Data collection for the architecture of Blockchain technology - Designing a scalable and modular Blockchain architecture for the traceability of data collection by enabling the interaction between different types of Blockchains. Provide semantic standards, ontologies and standardized logistic / commercial documents. Use the confidential data protection services of the companies and players involved and control their access.
4. Market place with certified solutions (platform at the service of companies for the use of blockchain technology) - Extend the services of the marketplace platform through a series of add-ons, enabling, developing and marketing add-ons. Provide data analysis

services based on artificial intelligence to facilitate decision making. Facilitate the use of all types of data from the company system.

The project proposal was presented by a consortium of 29 actors from 11 different countries, 8 of which from Europe. Piacenza Spa is the coordinator of the initiative. In addition to Sistema Moda Italia, two associated companies Marchi and Fildi Spa and Alfredo Grassi Spa are present among the partners.

The partnership is made up of 6 universities, 6 national agencies, 8 digital suppliers and 8 end users, i.e. companies that will test the developed solution. Sistema Moda Italia will have the task of disseminating the best practices developed during the project to its associates on a national scale, highlighting the main indicators for the circular economy along the textile and clothing supply chain, particularly addressing small and medium-sized enterprises to use blockchain technology.

WINDTEX VAGOTEX SPA

www.vagotex.it – Hall, 8, Stand n. INNOV.03

Windtex Vagotex is an historical company in the lamination and coupling sector and production of waterproof membranes. During the nineties developed an elastic membrane: Windtex®, followed later by other equal innovative materials, among which, the best known is Storm Shield®.

Over time, it has developed new membranes with increasingly extreme performances such as Windtex Pro for outdoor sports, Windtex Color combining technical and aesthetic features and above all a new line of sustainable membranes: Windtex biobased and LS BIO from renewable sources, Windtex ECO and LS ECO produced without solvents and Windtex recycled from industrial waste, as well as compostable solutions developed by our R&D laboratory.

In addition to the products just mentioned, Windtex Vagotex has a wide range of coupled products certified by Global Recycled Standard.