

## **Textile Innovation on show at Milano Unica, 6-7 July 2021**

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 2021 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 "Textile Materials for Activewear and Outdoor Clothing", intends to offer an overview of innovative materials capable of offering performances of extraordinary excellence in maintaining the well-being of body in terms of versatility and comfort, thus performing three essential functions: breathability, insulation, protection.

Companies exhibiting in the Innovation Area:

### **CENTROCOT**

[www.centrocot.it](http://www.centrocot.it) - Booth n. 12.INNOV.09

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.

### **CHARGEURS INTERFODERE ITALIA**

[www.chargeurs.fr](http://www.chargeurs.fr) - Booth n. 12.INNOV.04

Chargeurs\*PCC is part of a French Multinational Group with a 150-year-old history of industrial and commercial activities. During the decades, we have developed a comprehensive interlining range for the most sophisticated needs of the garment industry in menswear, ladieswear and shirts, with a particular focus on sustainability and on high-performing materials.

In this regard, Chargeurs has developed **S360** range, manufactured in the factory in France for a still more dramatic reduction of the "carbon footprint", which includes and expands its previous range of products based on recycled yarns and bio-sourced raw materials.

## **CITTADINI**

[www.cittadini.it](http://www.cittadini.it) - Booth n. 12.INNOV.10

Cittadini spa has been successfully operating for over 89 years in the textile niche of net and yarn manufacturing. In the current plant of Paderno Franciacorta, the production, vertically integrated with technologically advanced systems based on Industry 4.0, includes all knotted, knotless and spaced 3D nets, made with the latest generation of synthetic fibres for the industrial, fashion, automotive, furnishing and aquaculture sectors; industrial sewing threads and braids for clothing, leather goods and footwear; technical yarns for weaving and ribbon factories, furnishing fabrics and industrial uses; braids and ropes.

Coherent in the implementation of a "green philosophy" in its production processes, with a view to total sustainability and circular economy, Cittadini has strongly invested in Research and Development of process and product technologies with an increasingly reduced environmental impact, with self-production of electricity from renewable sources. In this context, it has obtained **ISO 14.001 Environmental Certification**. Today Cittadini proudly presents its most innovative products made with recycled and **GRS 4.0 (Global Recycle Standard)** certified fibres, which maintain high performance technical characteristics.

Among these, the Green Fashion Nets are of particular interest. They are woven with recycled yarn, which guarantee excellent performance. Proposed in different finishing, like all Fashion Nets, dyed in trendy or custom colours, or with special treatment, they are enjoying extraordinary success also in their recycled version among all the most famous international stylists, for sophisticated applications in clothes and accessories. Thanks to this policy of total quality, continuous innovation and social and environmental sustainability, Cittadini has conquered the main world markets in its sectors, where it exports over 65% of its turnover.

## **COATYARN**

[www.coatyarn.com](http://www.coatyarn.com) – Booth n. 12.INNOV.06

Production of polyurethane coated yarns TPU Evolution® : the 100% made in Italy polyurethane yarn, antimicrobial, with very high resistance to abrasion, hydrolysis, oils, fats and solvents. Produced in over 30 colors TPU Evolution® is solvent free, water free and has a zero waste production process, in conformity with our green policy.

Its exceptional versatility of use and application has granted TPU Evolution® a great success. TPU Evolution®, alone or in combination with other yarns, allows for surprising results: peach hand, lamination and strong lamination, all in glossy or opaque version, are the effects that can be achieved after the simple heat activation of TPU Evolution® .

TPU Evolution® is suitable for the production of man- and womenswear, accessories, technical fabrics, work-wear, just to mention some sectors of application in the rectilinear and circular knitwear world. One of the latest news is the Extra Glossy finishing for even more captivating results and solutions for outdoor furniture.

## **IMBOTEX**

[www.imbotex.it](http://www.imbotex.it) - Stand n. 12.INNOV.03

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](mailto:info@ittechsrl.it) - Stand n. 12.INNOV.08

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.

## **POZZI ELECTA SPA**

[www.pozzielecta.it](http://www.pozzielecta.it) - Booth n. 12.INNOV.07

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 our [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**.

## **RADICIGROUP**

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

With approximately 3,000 employees, sales revenue of EUR 1,019 million in 2020 and a network of production and sales sites located throughout Europe, North America, South America and Asia, RadiciGroup is one of the world's leading producers of a wide range of chemical intermediates, polyamide polymers, high performance engineering polymers and advanced textile solutions, including nylon and polyester yarns, nonwovens and personal protective equipment for the healthcare field.

Among RadiciGroup's low-impact products for the textile industry:

- **Renycle®**, made from recovered and recycled Nylon 6. It maintains excellent technical characteristics of strength, dyeing, softness and versatility.
- **Repetable®**, polyester yarn obtained from post-consumer recycling of PET bottles. It is environmentally friendly, especially in its raw and solution-dyed versions. It comprises a wide range of versatile and sustainable high-performance fibres, with a great selection of additives and colours.
- **Biofeel**, the range of bio-based products, includes: Biofeel PA 6.10, with similar characteristics to fossil-source polyamides but 64% derived from castor beans; Biofeel PET, 30% derived from **sugar cane** and cellulosic waste; Biofeel PLA, derived from agricultural waste, is 100% bio-sourced and 100% biodegradable.

These products are the result of the Group's outstanding chemical expertise and vertically integrated polyamide production chain and have been developed for use in a variety of industrial sectors, such as: automotive – electrical and electronics – consumer goods – apparel – furnishings – construction – household appliances – sports. The basis of the Group's strategy is a strong focus on innovation, quality, customer satisfaction and social and environmental

sustainability. With its business areas – Specialty Chemicals, High Performance Polymers and Advanced Textile Solutions –, RadiciGroup is capable to fully control the entire production chain, including recycling phase. RadiciGroup is part of a larger industrial group that also includes textile machinery (ITEMA), energy (GEOGREEN) and hotel (SAN MARCO) businesses

## **SITIP**

[www.sitip.it](http://www.sitip.it) - Stand n. 12.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.

## **WINDTEX VAGOTEX SPA**

[www.vagotex.it](http://www.vagotex.it) - Stand n. 12.INNOV.05

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**.