

UYN BRINGS THE BIOTECH REVOLUTION TO ISPO 2022

The Italian brand ushers in a new era at the Munich trade fair from 28 to 30 November. High-performance collections made exclusively from naturally derived materials and innovative biotechnologies. The revolutionary meeting of sustainability and functionality.



The new UYN Evolutyon Biotech

Nature, biotechnology and science are the values that have inspired the '**Biotech**' revolution, the new functional apparel concept that **UYN - Unleash Your Nature** unveils at the **ISPO** trade fair in **Munich (28-30 November, Hall B1 - Stand 502)**. "Biotech" marks the end of fossil fuel-derived synthetics and the beginning of a new era in sportswear. Together with its research and development centre **AREAS (Academy for Research and Engineering in Apparel and Sport)**, UYN has developed new materials derived from nature and empowered via biotechnology to

achieve superior performance in strength, drying speed, breathability. The result is the perfect combination of nature and technology, sustainability and functionality.

HIGH-PERFORMANCE BIOMATERIALS: FROM KAPOK, THE VEGETABLE WOOL, TO FLEXICORN, THE ELASTIC FIBRE FROM CORN SEEDS

UYN has introduced kapok, the world's lightest natural fibre, into sportswear for the first time. Derived from the fruit of the **Ceiba Pentandra** plant, kapok fibre has a hollow structure and is composed of **80%** air. Thanks to this structure, **Kapok** has a high insulating power and extraordinary softness, which is why it is also known as 'vegetable wool'. Commonly used for padding, UYN has transformed this fine fibre into yarn to make ultra-functional fabrics.

In order to guarantee elasticity and durability of the garments, instead of traditional elastane, UYN has developed **Flexicorn**, an eco-sustainable fibre derived from corn seeds. **Flexicorn** features a zig-zag molecular structure that allows it to stretch and bounces back to its original shape without breaking. Other biomaterials selected by UYN technicians include **Biolight**, a fibre obtained from beech wood that stands out for its softness and breathability, and **Ecolypt**, a yarn derived from the Eucalyptus plant that naturally neutralises odours and effectively wicks away moisture.



Kapok



Flexicorn



Ecolypt



Biolight

UYN BIOTECH UNDERWEAR, NATURE EMPOWERED BY TECHNOLOGY

UYN's natural ingredients and distinctive technologies meet in the new **ENERGYON BIOTECH**, **EVOLUTYON BIOTECH** and **FUSYON BIOTECH** lines - the reinvention of technical underwear. The Biotech collections are characterised by high performance and an extraordinary sensation of natural comfort on the skin, which cannot be matched by conventional synthetic fibres.

ENERGYON BIOTECH underwear is ideal for high-exertion activities at medium temperatures. Made with **Natex** biofibre from castor oil seeds, **25% lighter and 50% faster drying** than conventional nylon, and with the new **Ecolypt** yarn from Eucalyptus wood, ENERGYON BIOTECH keeps the body cool and dry. The cooling power is enhanced by **Flowtunnels** ventilation technology, featuring micro-holes and three-dimensional channels integrated into the fabric.

EVOLUTYON BIOTECH is the line designed for sports activities in medium to cold temperatures. Thanks to the ultra-lightweight kapok fibre, EVOLUTYON BIOTECH effectively regulates body temperature by cooling the athlete during activity and warming in the breaks. The **Biolight** yarn from the beech tree contributes to the high level of breathability, **Flexicorn** guarantees a close-to-the-body and extremely comfortable fit. EVOLUTYON BIOTECH features **Coolvent** technology with **Natex** bio-fibre at the chest and back to quickly transport sweat away from the skin. The **Heatmemory** system instead stores body heat and prevents sudden chills.



UYN Fusyon Biotech



UYN Evolutyon Biotech

FUSYON BIOTECH is made from an innovative combination of extra-fine **Merino wool**, **Ecolypt**, **Natex** and **Flexicorn** for high thermal power. Ideal for activities in low temperatures, FUSYON BIOTECH wraps the body with a unique feeling of natural comfort and adapts to every movement thanks to the **Hypermotion** construction of the shoulders, completely without seams.

UYN BIOWINTER, NATURAL FEELING AND PERFORMANCE FOR WINTER ACTIVITIES

In winter wear, UYN presents its **Biowinter** line made of **100% naturally derived materials**. The Biowinter mid layers, in hooded and hoodless versions, win you over from the very first moment with their softness and natural feeling against the skin. This is the result of the sophisticated combination of bio-fibres **kapok**, **Biolight** and **Flexicorn**.

Extraordinarily temperature-regulating and breathable, the UYN mid-layers are the perfect companions for sports activities in the mountains, but also for urban living.

UYN BIORUN, THE FIRST BIOTECH RUNNING LINE

Running enters the future with UYN and becomes bio-running. **Biorun** is the first high-performance apparel line made from kapok fibre, naturally derived materials and UYN's cutting-edge biotechnology. The result is a superior level of comfort and breathability. The garments provide a unique feeling on the skin, plus they regulate body temperature extraordinarily effectively thanks to the insulating kapok fibre. The biodegradable **Ecolypt** yarn from the Eucalyptus tree increases breathability and keeps the garments free of odours.

The Biorun line for winter running includes long-sleeved shirts, with and without zip, the tight-fitting pants and the 2-in-1 pants featuring leggings integrated with shorts, for runners who prefer the support of leggings and the coverage of traditional shorts. Functional details such as reflective logos and a back pocket with waterproof lining complete a line perfect for intense activity in medium to cold temperatures.

UYN BIORIDE, THE EVOLUTION OF CYCLING APPAREL

With the **Bioride** line, UYN sets new standards of sustainability and performance in cycling wear. The Bioride bibtights are made from **85 per cent naturally derived materials**, ensuring optimal thermoregulation and extremely high ventilation. The main structure of the bibshorts is a three-dimensional knitted fabric with insulating kapok fibre, the breathable **Biolight** yarn from beech wood, and the elastic **Flexicorn** from corn seeds. The panel on the back that connects the two braces is made using **Ecolypt** to quickly transport sweat outside and ensure maximum thermal comfort. In the seat area, UYN has introduced an abrasion-resistant recycled fabric with eco-friendly, fluorine-free water repellent treatment. The Bioride bibshorts feature the **HP4D pad**, anatomically structured with four density levels for absolute protection during longer rides (over seven hours).

The Bioride long-sleeved shirt combines the performance of UYN biomaterials (kapok, Biolight and Flexicorn) with an ergonomic design specifically for road and gravel rides. The **Ergomotion®**

construction of the shoulders, which follows the shoulder blade profile, offers a perfect fit and unlimited freedom of movement.

For the second layers, UYN presents **Shifter**, the reversible vest that combines natural comfort and strategic protection. The main structure of the garment is made of a three-dimensional knitted fabric consisting of **Merino wool, Biolight and Flexicorn**. This combination of fibres, enhanced by UYN's **4-Ways Ventilation** technology (integrated micro-ribs create spacing that allows air to circulate) helps to keep the body dry and at the ideal temperature. The front and shoulders feature a pioneering three-layer barrier with the patented **Membrain115** to protect the most sensitive parts from rain (**water column 20,000 mm**) and wind.

THE UYN SOCK WITH FINGERS: COMFORT AND PERFORMANCE MULTIPLIED BY FIVE

UYN continues to innovate in the sock industry. After creating the first sports sock without cuff to promote blood circulation and increase performance, the Italian brand presents the hyper-technical sock with five fingers. The models **Trekking Five**, for long hikes, and **Runner's Five**, for high-performance running, feature UYN's distinctive technologies for targeted compression (**Target Compression Bandage**), ventilation (**Cool Air Flow**) and strategic protection (**Preshock Shield and Anti-Impactor**), plus they feature an innovative toe design that adapts to the anatomy of the five fingers without seams.

This solution provides decisive advantages during activity: reduction of the risk of blisters between the fingers; greater grip of the sock, which does not slip, create creases or fabric build-up; a more stable and natural posture thanks to the independent movement of the fingers; extraordinary ventilation thanks to the micro-holes in the toes.

UYN SHOES, BORN IN THE ITALIAN MOUNTAINS

The UYN collection is also expanded in footwear with four new **Urban Trail models**. This category identifies **UYN** shoes that are ideal for outdoor trails and city streets. The Urban Trail shoes feature a **Mega-Cushioning** sole and a **two-density rubber tread**, inspired at the front by the ibex's hoof and at the back by the horse's hoof. This combination offers optimal grip even on wet surfaces and very high shock absorbing capacity for safe and comfortable walking. Among the new models, **BUCEFALO**, **MARENGO** and **PAOLOMO** feature a **Merino wool** upper without seams, derived from socks for total comfort. Waterproof in strategic areas thanks to patented **Membrain115** membrane and ultra-breathable to keep the foot dry and odour-free. The **FLEECY MERINO** model is made of fine Merino wool inside and out, with an eye-catching designed terry pattern that makes this shoe a new metropolitan style icon.



UYN URBAN trail Bucefalo

DYNAMITE AND TRIGGER, THE NEW RUNNING AND TRAIL RUNNING SHOES FROM UYN

Finally, **ISPO 2022** is the showcase for two revolutionary shoe projects: **UYN DYNAMITE** the first running shoes engineered from the sock, and **UYN TRIGGER**, UYN's shoes for running in the mountains. Comfort and reactivity are the watchwords of the DYNAMITE shoes, made with a single-layer, ultra-light, breathable and adaptive seamless upper and a dual-density **EVA** sole for cushioning and energy return. The **Power Chassis** platform within the midsole provides forward propulsion while the **H.A.L.O. (Heel Active Ligament Outerframe)** stabilises the heel and midfoot. The rigidity of the Power Chassis platform determines the shoes performance. In the **DYNAMITE PROPULSION** model, the Power Chassis provides three times more energy return than the **DYNAMITE SUPPORT** model and is recommended for racing performance. The DYNAMITE SUPPORT shoes are perfect for the runner who prefers comfort and cushioning.

UYN TRIGGER shoes are designed for trail running on difficult and uneven terrain. The two-layer, completely seams-free knit upper is combined with an ultra-technical sole: the heel part with **FREEBOUND** technology absorbs shock and provides grip when descending and braking. The front part delivers traction during push-off and lateral movements. The **H.A.L.O.** structure increases the torsional stability of the shoe, while the **Ergoframe** lacing system stabilises the foot without constricting. UYN TRIGGER shoes are made using highly heat-insulating **Merino wool** for the cold season or bio-based **Natex** yarn, derived from plant cellulose, for hot months.

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