



Press release
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High-tech on and off the slopes: X-BIONIC is revolutionising winter sports once again

Icy temperatures and high speeds while skiing and snowboarding take quite a toll on ambitious winter sports athletes. With the multi-award-winning Decision Layer by APANI and the unique Energy Accumulator functional wear, X-BIONIC has once again created ideal basic equipment for performance-oriented winter sports up in the mountains.

As skiers and snowboarders glide through the snow, precision and skills are key. To ensure that athletes can fully focus on their performance, they must be able to completely rely on their equipment. For 20 years, the experts at X-Technology have been developing the award-winning Decision Layer for the APANI and X-BIONIC winter sports collection to allow all athletes to achieve top performances on the slopes.

“The X-BIONIC technologies have already made it onto the podium more than 800 times with top winter sports athletes. Especially in winter, due to extreme outside temperatures, heat-regulating material represents the key factor that ultimately leads to an athlete’s success”, Prof Dr Bodo Lambertz, founder of the internationally renowned brands X-BIONIC, APANI, and X-SOCKS, explains.

Heat-regulating technologies: Air-conditioning Channel and 3D Bionic Sphere

The collection featuring the Energy Accumulator technology, consisting of a top and pants, regulates skiers’ and boarders’ body climate as they give their all on the slopes: the **3D Bionic Sphere System** in the Energy Accumulator pants leaves residual moisture on the skin which the body does not perceive as wetness. **Sweat traps** absorb the wetness before it becomes noticeable, let it evaporate, and remove it through circulating warmth. All that remains on the skin is a non-perceptible film of moisture that ensures an optimal body temperature.



The tops in collection stand out with their **Air-conditioning Channel** as part of the extensive air-conditioning channel system. With this channel design, the fresh air exchange regulates the body temperature over the chest area. Through the permanent air movement along the air-conditioning channel, moisture is effectively drawn and transported out of the sweat zones.

In balance with APANI Merino

On and off the slopes, garment blended with APANI merino wool ensure efficient sweat management, the highest comfort, and optimal fit. The fast-flow technology combines the natural fibre with innovative technology approaches and creates the complex, highly functional materials design: the extremely light wool, paired with the **3D Bionic Sphere, sweat traps**, and the incorporated **Aircomplex zone** create unprecedented sports material. Information that influences our entire well-being flows past the solar plexus. The top with its **Aircomplex zone** protects this sensitive zone through special channels. Trapped warm air provides optimal insulation in the cold. During physical exertion, the structure processes excess sweat and ensures a pleasant feeling around the stomach.

About X-BIONIC® and X-SOCKS®

Since 1998, X-Technology Swiss, the innovator for highly functional clothing, has united Swiss precision and Italian craftsmanship in its products for the brands X-BIONIC®, X-SOCKS®, and Apiani®. Within just a few years, X-BIONIC® and X-SOCKS® redefined the world of functional clothing. As the brand name X-BIONIC® indicates, the developers of X-Technology® transfer bionic findings from nature to clothing with the goal of improving athletes' performance and well-being. They use pioneering technologies to do so. Protected by more than 800 patent registrations worldwide, these aim to release the body's own energy reserves through thermoregulation, for example. More than 600 international distinctions and test wins for innovation, product quality, functionality, and material quality are no mere coincidence.

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