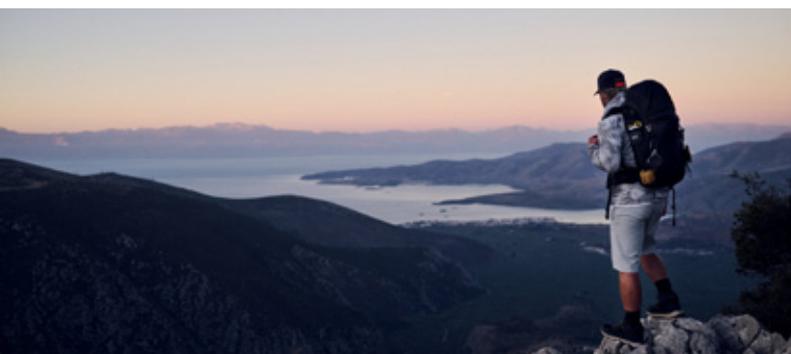




Jack Wolfskin's New 3D-Printed Aerorise Carry System Elevates Backpack Design with Zonal Body Mapping Technology

IDSTEIN (January 2023) - Backpack design takes a futuristic leap forward through Jack Wolfskin's new 3D-printed carry system featured in its latest series of Aerorise hiking backpacks. For decades, hikers and outdoor enthusiasts have been faced with a choice when choosing backpacks: durability or lightness, comfort or ventilation. Jack Wolfskin's new Aerorise carry system offers the perfect solution by placing four independent 3D-printed panels on the shoulders and lumbar areas to provide a lightweight, multi-zone body fit. The panels' open cell structures with thousands of individual struts enhance ventilation, maintain comfort, and improve load control even with heavier loads.

The technology, already in use by the sporting goods industry for high performance running shoes, is provided by polymer solutions provider Oechsler, an additive manufacturer in Germany, and Carbon, a pioneer in 3D printing. It enables a combination of lattice structure patterns that provide different degrees of vertical and horizontal firmness – soft where comfort is key and firm where more structure is necessary. The design is highly breathable and capable of reducing back temperatures by up to 5°C (9°F). In line with Jack Wolfskin's commitment to providing high performing sustainable equipment, there is less waste within the production of the 3D printed designs compared to conventional production. Due to the customizable nature and control over structural attributes of the 3D cushioning, only as much material is used as is ultimately needed. Additional gluing steps or assemblies are not required unlike traditional carry systems.





Mix of durable, 100% recycled
70D - as well as
210D - polyamide textile

Adjustable drawcords
allow individual compression
and make it easy to attach
additional gear to the exterior

Open cell structure with
thousands of individual struts

Waterproof main
compartment and a
spacious lid compartment

Zonal cushioning:
Varying degrees of
hardness in three
dimensions

Trekking pole
fixation

Padded hip belt

Absorbs and returns
energy more efficiently
than traditional foam

PFC-free;
bluesign® certified

40 liters capacity

The entire Aerorise series consisting of a 20, 30 as well as 40 liter version
and will be available in summer 2023.

