New Kistler Aerogel Jacket, Inspired by NASA, Provides Extremely Lightweight Warmth

Supield Inc. has pioneered an aerogel single-layer composite, which enables the application of aerogel within clothes production much more efficiently

SAN JOSE, Calif. (PRWEB) December 13, 2018 -- Supield Inc. introduces a better way to insulate winter jackets — with NASA inspired aerogel technology. Today, Supield Inc. launched a Kickstarter campaign introducing Kistler Aerogel Jacket, the warmest and thinnest jacket on earth, promising to keep people warm in temperatures as low as -320°F (-196°C). The company hopes to raise $25,000 to help bring a new level of warmth to people worldwide.

Aerogel was created by Samuel Stephens Kistler in 1931. It is the lightest solid in the world with the lowest thermal conductivity, which makes it perfect for use in NASA spacesuits. However, outerwear companies struggled to incorporate aerogel into clothing — they could not find the perfect balance of warmth, lightweight and thickness. The Supield team spent three years researching and developing to make a breakthrough in innovative aerogel technology. They advanced the insulative component to produce materials perfect for an easily-wearable winter jacket. Supield’s jacket line is named in honor of Dr. Kistler’s impactful discovery.

“We believe that if aerogel is good enough for NASA, it’s good enough for you,” said Jie Yan, founder and CEO of Supield Inc. “Kistler Aerogel Jacket is perfect for outdoor enthusiasts, such as skiers, snowboarders, hikers, rock climbers, or fans of winter sports. People who live in colder climates, or travel the globe to colder countries, can take advantage of how thin and lightweight the Kistler Aerogel Jacket is. It’s easy to pack in a suitcase or store in off-season storage.”

Kistler Jackets have an ultra-thin 3D mesh composite of aerogel that is placed between the outer layer and the inner lining of the jacket to provide the perfect amount of heat insulation. The jackets are offered in various styles to meet consumers needs. The lightest and thinnest jacket, Kistler Series 3, resists temperatures as low as 14°F, is only 0.5 mm in thickness and weighs less than one pound. The warmest, thickest version of the jacket, the Kistler Series 7, has a 3mm aerogel insulation layer, which is only about 1.5kg in weight — 50 percent lighter than the leading aerogel jacket on the market. The Kistler Series 5 is the best option for those looking for a warm, hooded jacket. The Kistler Series R used the first single-layer aerogel composite, which is a revolutionary way to incorporate aerogel into clothing production.

The Kistler Aerogel Jacket adopts a customer-centric design, with a super sleek exterior, the jacket has a NASA-inspired shiny, silver, detailed interior. Each jacket has a thermometer that constantly monitors body temperature and ventilation zippers below the armpits to help the wearer survive harsh weather without overheating. The zippers on the opening of the jacket and all four pockets — two exterior and two interior — have been heat sealed to keep persons and belongings safe from the elements. Equipped with an elastic band around the waist that snaps together like a belt, the jacket prevents snow from entering through the bottom. For wearers looking to listen to music or communicate via headphones, an elastic loop on the interior of the jacket lets people thread a pair of headphones. The outer layer has nano-waterproof fabric that prevents the coat from freezing in extremely cold environments. Additionally, the Kistler Series 7 includes RECCO reflector, which can provide location information of the wearer in the incident of an extreme search.

Kistler Aerogel Jacket is currently available for pre-order on Kickstarter for $199 USD, which includes one
Kistler Series 3 jacket for 20% off the retail price. For more information about the campaign, or to place an order, visit pr.go2.fund/kistler.

About Supield Inc.
Aerogel technology was initially used in industry insulators, but was not ideal for daily clothing due to various challenges such as stiffness and powder leakage. In early 2018, the Supield team created a light, thin and soft aerogel fabric that does not compromise warmth. By introducing the first aerogel fabrics that are available in different thickness, and by pioneering the aerogel single-layer composite, the team brings a new level of warmth to people worldwide. The company is headquartered in Shanghai, China with an additional office in California, United States.
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