

GOLDWIN / Spiber 2023 FW Collection, Made with Brewed Protein™ Fiber
The First Mass Production of its Kind Now Realized
Global Sales to Begin This Fall

Key Points:

- 1) Five of GOLDWIN's brands simultaneously announced collections using Brewed Protein™ fiber.
- 2) Eight years after GOLDWIN began joint development with Spiber, the protein material company has now achieved sales expansion under a mass production system.
- 3) Products using Brewed Protein™ fiber, a novel new next-generation material originating in Japan that is expected to provide a new solution to various environmental issues, will be available globally this fall.



GOLDWIN INC. (Headquarters: Shibuya-ku, Tokyo; President & CEO: Takao Watanabe; hereafter "GOLDWIN") announces the launch of its Fall/Winter 2023 collection of five brands simultaneously using the structural protein material Brewed Protein™ fiber, which GOLDWIN has been jointly developing with Spiber Inc. (Headquarters: Tsuruoka City, Yamagata Prefecture; Director and Representative Executive Officer: Kazuhide Sekiyama; hereafter "Spiber") since 2015.

Available globally starting this fall, this collection represents the first sale of Spiber's mass-produced Brewed Protein™ materials.

Aiming to address various environmental issues surrounding the apparel industry, GOLDWIN have been working with Spiber since 2015 on the joint development of structural protein materials for deployment in apparel products.

The first product developed using Brewed Protein™ fiber was the Planetary Equilibrium Tee, a T-shirt released by The North Face in August 2019. This was followed in November 2020 by the launch of the knitwear The Sweater from our original brand, Goldwin. Fall 2022 saw the release of a shell jacket and fleece from Goldwin 0, follow by the launch of a denim jacket and pants in March this year.

Until now, all products were sold in limited quantities by lottery due to the limited production of Brewed Protein™ fiber. With mass production of Brewed Protein™ polymer at Spiber's Thailand plant beginning in early 2022—8 years after the start of the joint development initiative between GOLDWIN and Spiber—we have now achieved the first-ever mass production of Brewed Protein™ fiber. After many years of joint development, five brands—The North Face, Goldwin, nanamica, The North Face Purple Label, and Woolrich—have all launched products featuring Brewed Protein™ fibers at the same time.

The North Face offers the Nuptse Jacket, which celebrated its 30th anniversary last year, and Purple Label 's Sierra Parka, a modern update of the original outdoor down parka. Woolrich presented the brand's iconic Future Arctic Parka, which debuted in 1972, and nanamica presented the Balmacaan Coat, which combines classic tailoring and detailing with functionality. While leveraging the perfected designs of the iconic staples of each of the five brands, the brands aim to create new value and possibilities by adopting Brewed Protein™ materials.

Goldwin and nanamica, which are expanding outside Japan, are also sold at directly managed overseas stores. In addition, for The North Face and Woolrich brands, GOLDWIN plan to collaborate with overseas operators for global sales, and we will update information on our product lineup as necessary for the product launch this fall.

In Japan, a pop-up store selling all products using Brewed Protein™ fiber is scheduled to open in the Marunouchi Building in September 2023.

GOLDWIN has set an activity goal of shifting 10% of our newly developed products to those using Brewed Protein™ by 2030. Through this joint development, we will rethink the relationship between nature and humans, and continue to consider a completely new way of using materials, products, and economics that combines high degrees of functionality and environmental friendliness. We believe that by designing and proposing sports apparel that will accompany future lifestyles in harmony with nature, we can make a significant contribution to the sustainable development of society, and to this end we intend to continue pursuing research and development in partnership with Spiber.

Official website: <https://spiber.goldwin.co.jp/>

Main products with Brewed Protein™ fiber

THE NORTH FACE

Nuptse Jacket

Size: S, M, L, XL

Color: Natural (NA), Black (K), Olive (OL)

Material:

Outer (surface layer): 60% Brewed Protein™ fiber, 25% wool, 15% nylon

Outer (reverse layer): PTFE (waterproof/breathable laminate)

Inner padding: 80% down, 20% feathers

Lining: 100% nylon



Goldwin

Cross-Field 3L Jacket

Size: 1, 2, 3, 4, 5

Color: Natural (NA), Black (K), Olive (OL)

Material:

Outer (surface layer): 60% Brewed Protein™ fiber, 25% wool, 15% nylon

Outer (middle layer): PTFE (waterproof/breathable laminate)

Outer (reverse layer): 100% polyester



nanamica

Balmacaan Coat

Size: XS, S, M, L, XL

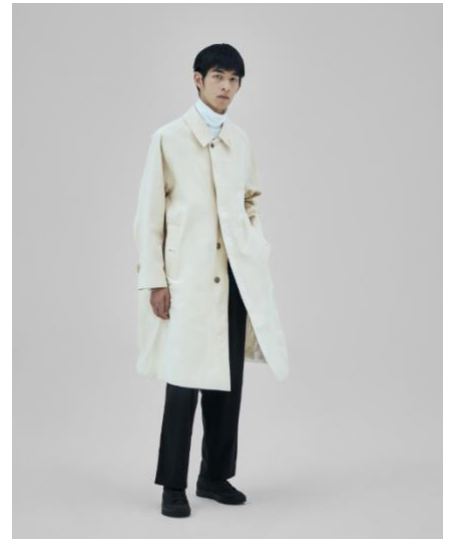
Color: Natural (NA), Black (K)

Material:

Outer (surface layer): 60% Brewed Protein™ fiber, 25% wool, 15% nylon

Outer (middle layer): PTFE (waterproof/breathable laminate)

Outer (reverse layer): 100% nylon



The North Face Purple Label

Sierra Parka

Size: S, M, L, XL

Color: Natural (NA), Black (K)

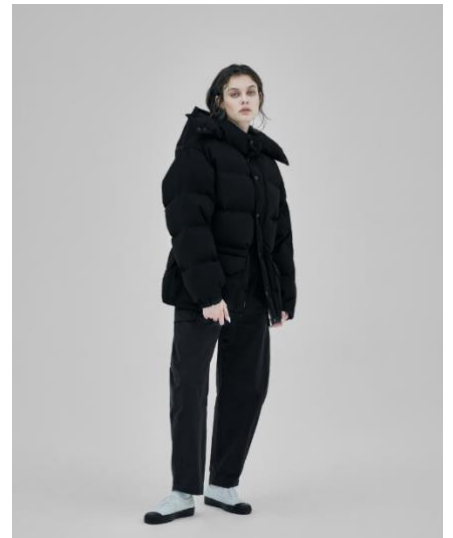
Material:

Outer (surface layer): 60% Brewed Protein™ fiber, 25% wool, 15% nylon

Outer (reverse layer): PTFE (waterproof/breathable laminate)

Inner padding: 72% down, 20% rayon, 8% feathers

Lining: 100% nylon



Woolrich

Future Arctic Parka

Size: S, M, L, XL, XXL, XXXL

Color: Black (K), Olive (OL)

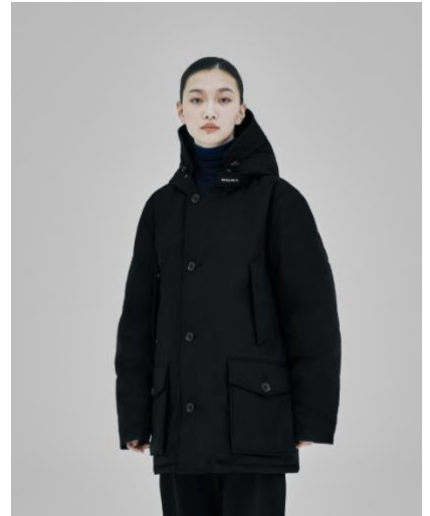
Material:

Outer (surface layer): 60% Brewed Protein™ fiber, 25% wool, 15% nylon

Outer (reverse layer): PTFE (waterproof/breathable laminate)

Inner padding: 80% down, 20% feathers

Lining: 100% nylon



Sales Countries

The North Face

Japan, U.S.A., U.K., France, Germany, China, Hong Kong

Including online stores in each country

Goldwin

Japan, U.S.A., Canada, the United Kingdom, and EU member states, China

nanamica

Japan, U.S.A.

The North Face Purple Label

Japan, U.S.A., Germany, China

Woolrich

Japan (directly managed stores, EC), U.S.A. (directly managed stores in NY, EC), EU member countries (directly managed stores in Italy, Germany, Netherlands, EC in Europe)

Spiber's structural protein materials, Brewed Protein™ fiber

Brewed Protein materials are fibers, films, and other types of materials that are manufactured through fermentation (brewing) of plant-based ingredients.

This new class of material is created using Spiber's proprietary technology platform that enables customized design and molecular engineering of nature-inspired protein polymers.

These materials can offer alternative solutions to a wide range of conventional animal-based, plant-based and synthetic materials for various purposes, including textiles applications for the apparel industry.

Spiber and Goldwin's joint development background

Most sports apparel is made from synthetic molecular materials (polyester, nylon, etc.) manufactured from petroleum, and the impact of the final product on the natural environment due to microplastic emissions has become an issue. As a countermeasure to environmental issues, and in light of concerns about the depletion of petroleum, it is a great responsibility for us in today's society to switch to sustainable resources.

To address these global-scale environmental issues, GOLDWIN began researching "structural protein materials" in collaboration with Spiber in 2015 and in the fall of 2015 announced a prototype outdoor jacket made of a structural protein material. In 2019, The North Face will release T-shirts and outdoor jackets exclusively in Japan using Brewed Protein™ fiber, a structural protein material newly developed by Spiber in response to challenges and product quality requirements. Since then, a variety of apparel products such as knitwear and fleece have also been launched.

About Spiber Inc.

Spiber is a biotechnology venture established in Tsuruoka City, Yamagata Prefecture in 2007 that develops structural Brewed Protein™ materials by using plant-derived feedstocks as primary raw materials and is engaged in the development and production of next-generation new materials via microbial fermentation production technology. Spiber recently began production of Brewed Protein™ polymers at its first mass production plant in Thailand and is now building a new mass production facility in the U.S. in collaboration with ADM.

Spiber website: <https://spiber.inc/>

Brand Introduction

The North Face

The North Face, founded in San Francisco in 1966, was initially a small manufacturer, but soon gained a reputation for reliability with the introduction of its sleeping bags. The company's "minimum temperature standard" label, which clearly stated the minimum temperature at which the sleeping bag could be used comfortably, was a big hit. This was at a time when the Vietnam War was still raging, and the counterculture against existing values and a society centered on material

civilization was flourishing. Young people with keen senses left the city and returned to nature. Their energy resonated with The North Face's out-of-the-box style, and eventually, a backpacking boom was born. We are not trying to imitate nature but to create a new way of life for people.

Not to imitate nature, but to coordinate the interplay of multiple principles and sensations present in nature to bring out new functions that have never been seen before. The North Face's mission is to pass down to future generations a better way to interact with nature, people, and things.

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*Official website: <https://www.goldwin.co.jp/tnf/>

Goldwin

Founded in 1951, GOLDWIN Inc.'s original brand Goldwin proposes products that combine minimalist design with rationality, comfort, and convenience, derived from its experience with skiing and the outdoors, as well as Japanese aesthetics.

Since 2018, Goldwin has opened directly managed stores in Tokyo (Marunouchi and Harajuku), the United States (San Francisco), Germany (Munich), and China (Beijing), and is actively building a global base.

*Official website: <https://www.goldwin.co.jp/goldwin/>

nanamica

With the keywords "UTILITY" and "SPORTS", nanamica mixes fashion and functionality at a high level and proposes "timeless standard wear" with a neutral design that transcends genres, ages, and gender. We are a little distant from trends that will soon be over and will create good products that can be used in daily life for as long as possible. The name "nanamica" means "house of the seven seas," and while valuing the free and relaxed image of the sea, we will create products with people from all over the world without being bound by national borders or ideologies, and disseminate information about nanamica's creations to the world.

*Official website: <https://www.nanamica.com/>

The North Face Purple Label

The North Face Purple Label is a line developed by nanamica and GOLDWIN in collaboration with The North Face in Japan.

The line is based on The North Face's outdoor gear and replaced with highly fashionable materials, or based on traditional materials, it retains the outdoor style taste of its roots in California while updating the size to fit the times. We propose outdoor casual wear that mixes the values of The North Face with the spirit of the times.

*Official website: <https://www.nanamica.com/>

Woolrich

Founded in 1830, Woolrich is America's oldest outdoor brand with over 190 years of history. Simple, functional designs inherited from the archives of the past, contrasting sophistication with rugged detailing, run through all their products. The Main Collection is as broad as it is premium, yet exudes a somehow simple charm, allowing for mature, elegant styling. The Outdoor collection is based on archival designs and uses technical materials while retaining understated elegance and a hint of classicism, offering intelligent, relaxed outdoor style and chic sports style for everyday situations.

*Official website: <https://www.goldwin.co.jp/woolrich/>

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For press releases and interviews, etc., please contact the Corporate Communications Office at 03-3481-7250.