

Japanese bio-venture Spiber Inc. announces strategic partnerships with Italian premium spinner Zegna Baruffa Lane Borgosesia S.p.A.

Yamagata, Japan — Spiber Inc., a pioneering Japanese bio-venture known for its revolutionary Brewed Protein™ fiber produced using cutting-edge fermentation technology, proudly announces its successful partnership with Zegna Baruffa Lane Borgosesia (ZBLB), a prestigious Italian premium mill renowned for its expertise in wool spinning.

Since beginning their collaboration in 2023, Spiber and ZBLB have been working to unlock the full potential of Brewed Protein™ fiber. By experimenting with a wide range of spinning techniques, the two companies have been able to bring out the fiber's unique qualities through meticulous trials and innovations.

"We are enthusiastic to start this journey into innovation and circularity together with Spiber. I believe that both companies share a common mission: all the intense R&D work done together during last year proved our strong capability to innovate and offer new answers to the high-end segment of the knitwear market. The first results of this partnership are yarns with a strong potential in terms of quality and performance, thanks to the winning mix of two environmentally friendly, circular components: 100% traceable merino wool and innovative Brewed Protein™ fiber."

- **Lorenzo Piacentini**, CEO of Zegna Baruffa Lane Borgosesia S.p.A.

The result of this collaboration is newly developed yarn blends, comprising 30% Brewed Protein™ fiber and 70% RWS merino wool that can be tailored for both knitting and weaving, and are now available for sale. The yarns offer an exceptional hand feel, combining the advanced properties of Brewed Protein™ fiber with ZBLB's expertise in merino wool spinning and finishing techniques. Its versatility makes it ideal for premium applications such as jersey knitwear and woven coats.

Both Spiber and ZBLB are excited to continue their partnership, expanding their product range to include blended and 100% Brewed Protein™ fiber yarns. Together, they aim to offer more socially and environmentally responsible textile solutions, paving the way for groundbreaking advancements in biomaterials.



Zegna Baruffa Lane Borgosesia S.p.A.
SPINNING TRENDS - SINCE 1850



Product line

Wool blended worsted yarn

Composition: 70% RWS merino wool, 30% Brewed Protein™ fiber

Count: 2/60 N/m

Wool blended worsted yarn

Composition: 70% RWS merino wool, 30% Brewed Protein™ fiber

Count: 1/60 NM

Spiber Inc.

Established in 2007, Spiber is a biotech venture company based in Yamagata, Japan. Dedicated to creating innovative solutions that contribute to sustainable well-being, Spiber has developed a new material solution inspired by nature's diversity and circularity, the "Brewed Protein™" material platform. By harnessing the power of precision fermentation, Spiber engineers proteins at the molecular level, resulting in versatile materials that can be tailored to specific needs. This innovative solution opens up new possibilities for sustainable and high-performance materials in various industries, including apparel, food, automotives, and more. Alongside our partners, Spiber is constantly exploring diverse new applications for Brewed Protein™ materials in order to help pave the way for a brighter future. Our passion lies in fostering a circular economy, minimizing our environmental impact, and working together to build a world that is inclusive, fair, and regenerative.

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

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Brewed Protein™ is a trademark or a registered trademark of Spiber Inc. in Japan and other countries.

Brewed Protein™ fiber

A premium, plant-based material produced using Spiber's fermentation (brewing) technology, providing a circular solution and pioneering a new category of protein fibers. Brewed Protein™ fibers can be tailored to offer a silk-like sheen and delicacy, a luxurious smooth feel akin to cashmere, or the loftiness of high-quality wool. Due to its plant-based ingredients and precision fermentation process, Brewed Protein™ fiber has the potential to significantly reduce environmental and animal welfare impacts compared to traditional materials.

Zegna Baruffa Lane Borgosesia S.p.A.

Since 1850, Zegna Baruffa Lane Borgosesia S.p.A. has been a leading company in manufacturing worsted and woollen yarns in premium merino wool, with a strong reputation all over the world due to its top quality products, tailor-made offerings in terms of colours and service, and deep respect for its territory and people. The company's mission is to support high fashion brands and premium knitters with innovative and performing yarns, in line with emerging fashion trends, from the heart of Italian textile to the world.