

Mycotech Pte. Ltd

Mycotech Pte MycoTechnology is a food ingredient company from Singapore focused on moving food forward by harnessing the power of mushrooms to solve some of the most pervasive challenges in the food and beverage industry. It develops an environmentally friendly leather substitution derived from fungal mycelium made from agricultural wastes containing cellulose, fungal seed, and growth medium. The product is used for fashion, accessories, household appliances, and other furniture industries.

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Modern Synthesis

Modern Synthesis is a London-based biotech company crafting the next generation of material with biology. The company's microbial textile platform combines a natural yarn scaffold with microbial cellulose to create lightweight composite materials. The initial products are alternative leather-like materials for the fashion industry—initially high-end sportswear.

Core technologies: • 2D yarn scaffold creation • “Biofabrication” of a bacterial cellulose film around this scaffold • Processing and finishing this product into a performance textile. The product is TRL4.

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Rifo Srl

Rifo is an Italian company that has developed a unique solution of sustainable packaging, entirely made of textile leftovers. Through a mechanical, process textile leftover materials are transformed into a felt bag. The prototype of their special packaging is ready to be tested on the market.

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Curetex Corporation

Curetex Corporation is a Japanese company that manufactures CURETEX®, using Washi (Japanese rice paper) as raw material to produce yarns, textiles, and cloths, which are biodegradable. Washi is made of Abaca, one of the perennial plants. CURETEX®'s purpose is to activate the microorganisms in soils. Therefore, it helps to assist organic farming in producing highly nutritious vegetables.

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Toqapu Studio

Toqapu Studio is a Swiss-based consultancy studio devoted to supporting intangible cultural heritage through design. They connect artisan communities in rural areas with the growing demand for authentic, high-quality and sustainable products in urban cities across the world, through close cooperation with artisans, designers, and specialists preserving invaluable cultural traditions while traditions, while also spurring innovation and trade.

[This innovation is available in the WIPO Green database.](#)

Organic Lace by Modespitze

Organic Lace by Modespitze is a German-based company manufacturing embroidery and fine lace for four generations. We use embroidery and lace-making technologies that were mainly developed from 1880 and on and are shifting towards organic textile standards.

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Säntis Textiles Pte Ltd

Säntis Textiles Pte Ltd developed the RCO100, which is a fabric made 100% of pure recycled Cotton. RCO100 uses pre-and post- consumer cotton, textile waste, and leftovers from fabric production. The unique factor of RCO100 is the mecha recycled spinning process; creating 100% recycled cotton yarn without using any blends. The process uses no bleaching, no regenerating, and no chemicals. RCO100 comes as finished fabrics or can be sold directly as yarns. RCO100 originates from nothing but waste. The company uses pre-consumer cotton waste from apparel, home furnishing, and bed-linen industries. Today the company's technology allows Säntis to gradually blend in post-consumer waste, which helps save and reuse what would otherwise be discarded to be burned or dumped in landfills.

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