



SPINNOVA®

Sampo Immonen

Teknologiajohtaja, Spinnova

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ELINVOIMAA KIERTOTALOUESTA

Jyväskylän Paviljonki · 7.10.2026

WWW.SPINNOVA.COM



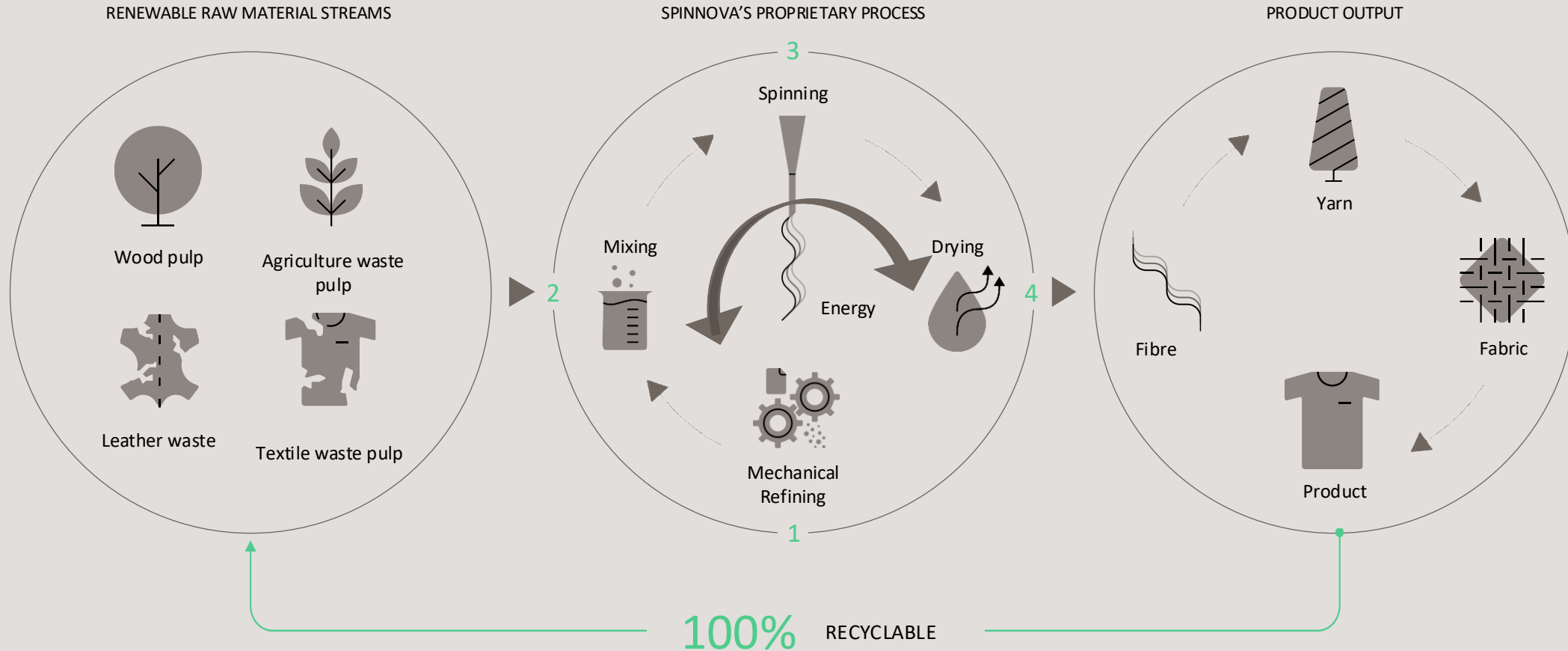
Spinnova technology transforms the way textiles are manufactured globally.

Based in Finland, Spinnova has developed breakthrough patented technology for making textile fibre from wood pulp or waste, such as leather, textile or agricultural cropping waste, without harmful chemicals or dissolving.



SPINNOVA

Spinnova technology is a globally unique way to produce textile fibre with reduced impacts on climate and nature.



Spinnova's process is versatile with raw material feedstock.

SPINNOVA® fibre can be produced using the **same process** from a variety of raw materials. Most cellulosic materials have the potential to be transformed into SPINNOVA® fibre.

In addition to wood pulp, we have successfully used textile waste pulp (Circulose®), food industry waste, leather waste and agricultural residues as raw material.



SPINNOVA® process reduces impacts on climate and nature

- SPINNOVA® fibre is made from certified and traceable raw materials, without harmful chemicals or dissolving
- SPINNOVA® fibres can be recycled in our process without losing quality or needing to add virgin fibres
- At the end of its life, SPINNOVA® fibre can return to nature quickly. It takes just a few months to biodegrade in natural and marine environments

*Compared to conventional cotton, which values are global averages from external databases.
SPINNOVA® fibre's figures: Third-party life-cycle assessments. The figures include raw material supply, transportation of raw materials, and manufacturing of the product (cradle-to-gate).

WHEN PRODUCED FROM EUCALYPTUS PULP,
SPINNOVA® FIBRES SIGNIFICANTLY REDUCE IMPACT:

74%

LESS CO₂
EMISSIONS*

98%

LESS WATER
CONSUMPTION*

85%

LESS LAND USE*

The SPINNOVA® fibre properties, look, and feel are comparable to those of natural fibres, such as wool, linen and cotton.

SPINNOVA® fibre can be used in apparel and interior textiles, such as trousers, shirts, jackets, and accessories. It is also suitable for insulation and composite applications.



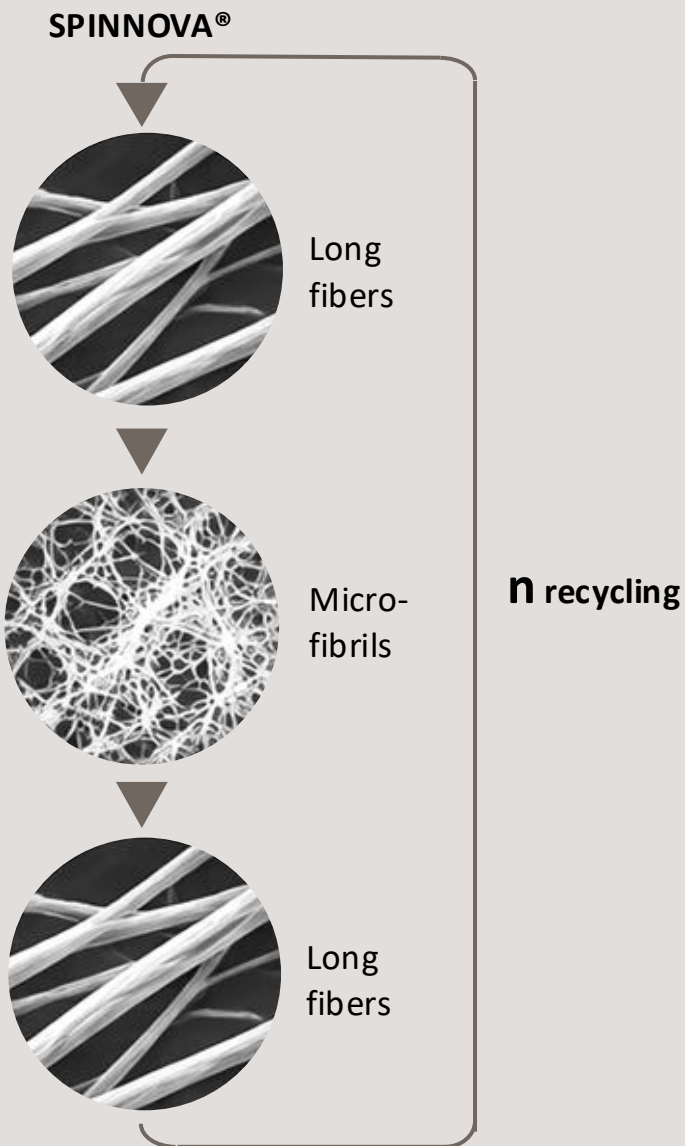
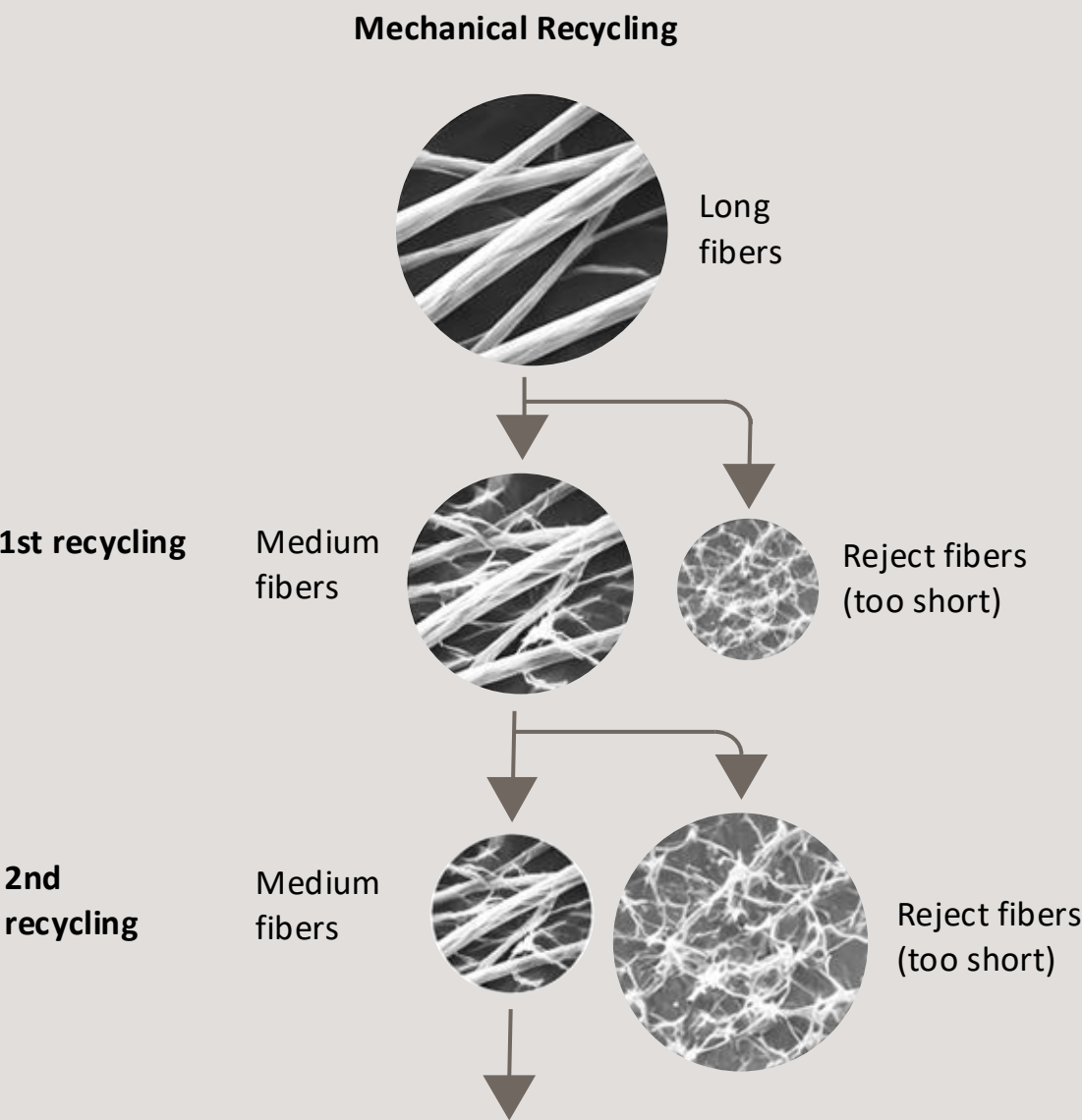
Demonstration plant:
Factory 1, Jyväskylä, Finland

SPINNOVA® Factory 1 – this is the future of manufacturing

- Inaugurated in May of 2023
- 1000 t/a capacity
- No environmental-permit required
- Full production process from pulp to staple fibres under one roof
- Designed for 24/7 operations
- Different feedstock options



SPINNOVA® fibre maintains its quality through recycling, using no harmful chemicals.



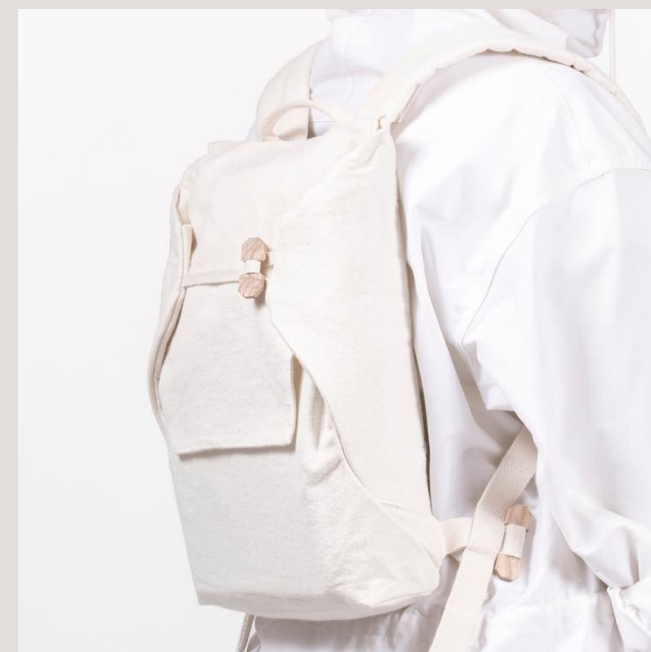
SPINNOVA®

Bergans
OF NORWAY

Spinnova and Bergans began the collaboration in 2019 by launching the first product of Collection of Tomorrow, a limited-edition backpack made with SPINNOVA® fibre.

The Collection of Tomorrow was a takeback and reuse concept developed by Spinnova and Bergans of Norway. It began in 2019 with a limited-edition backpack made from a blend of SPINNOVA® fibre, lyocell and wool.

Later in the product lifecycle, backpack material was taken back and recycled into new SPINNOVA® fibre. That recycled fibre was subsequently used to create an anorak, launched as the third product in the collection in 2021.



adforum



On a mission to transform the raw material
base of the textile industry

SPINNOVA®

A person in a brown suit and white trousers stands with their back to the camera on a black sand beach, looking out at the ocean under a cloudy sky. Footprints lead from the foreground towards the person.

Thank you

Questions?



Fibre production – even from lower quality recycled textile waste – by the SPINNOVA® technology

