

CONFIDENTIAL

# Making **textile** **circularity** an everyday reality.

Infinited Fiber Company

April 2021



# Turning waste into **a source of joy.**

## Infinite Fiber Company is

- A fashion technology powerhouse on a mission to make textile circularity an everyday reality.

## We offer

- A recipe for turning trashed textiles and other cellulose-rich waste into new textile fibers that look and feel soft and natural like cotton.
- A unique, premium textile fiber validated by top global fashion and nonwovens brands as a true alternative to virgin materials.

## Endorsement for our technology

- Talouselämän 10 lupaavinta startup-yritystä 2021.
- 2021 Global Cleantech 100 Company.
- Europas 2020 Hottest Sustainability Tech Award winner.
- WWF's Climate Solver network member since 2016.



# Keeping **great company.**

These companies are leading the way in giving our industry a fresh start and we're proud to be working with them.

H&M Group

**patagonia**<sup>®</sup>

BESTSELLER

 **Suominen**



**EUSEBIO**<sup>®</sup>  
— fabrics for SUSTAINABLE future

 **KIPAS TEXTILES**

NOMENNESCIO



**tekstina**  
SINCE 1828

**ANDRITZ**

 **INOVAFIL**

**Wrangler**<sup>®</sup>

REUBEN SELBY



# It's unique. It's Infinna™.

- **Born from waste and fully circular.**  
Textile-to-textile fiber regeneration is now a reality. Clothes and textiles made with our regenerated fibers can be recycled with other textile waste and reborn again as Infinna™.
- **An alternative to virgin cotton.**  
A premium textile fiber that's soft and versatile like cotton and eliminates the need to grow new materials by capturing the value of what's already been produced.
- **Only natural ingredients.**  
Infinna™ is as natural as manmade can be. It's created with responsible chemistry out of cellulose, which is a building block of all plants.
- **Biodegradable, no microplastics.**  
Infinna™ is biodegradable and doesn't contain microplastics to clog our oceans.
- **Soft and natural to the touch.**  
Whether you use it to make a T-shirt, a hoodie, denim or bedsheets, Infinna™ feels soft to the touch and lovely against the skin.
- **Saves water.**  
Producing the fibers to make one t-shirt with Infinna™ takes a fraction of the water needed to produce a similar amount of cotton. Multiply by the 2 billion T-shirts made annually, and you see the scope of what's possible.

# Ready to change the world? **Our technology is too.**

## 1. Cellulose-based raw material – like used textiles or cardboard – goes in

Infinite Fiber Company's technology can use a range of cellulose-based waste streams as its raw material.



## 2. The raw material is pre-processed

Each raw material has its unique pre-treatment process. Materials like straw are turned into pulp before they come to us; materials like textiles go through our pre-treatment process.



## 3. Carbamation

This is where the magic happens. The cellulose reacts with urea and a stable, dissolvable cellulose carbamate powder is born. Different feedstocks can be mixed after this process.



## 4. Dissolving and wet-spinning

The cellulose powder is turned into a honey-like liquid and impurities are filtered out. The new fiber filaments are born when the cellulose crystallizes during the wet spinning process.



## 5. Cellulose carbamate fiber

The fiber filament is cut, washed and dried and the high-quality, cellulose carbamate staple fibers are ready for the next phase in the textile manufacturing supply chain.



## 6. Delivery to textile manufacturers

The staple fibers are delivered to yarn spinners or nonwovens manufacturers to be made into products like clothing and home textiles, or wipes and diapers.



# Thank you!



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