

INFINITE FIBER

SAVING THE PLANET

Revolutionary technology



Rebirth for textile waste
New and better cotton
Sustainable
Scalable to high volumes
Cost efficient



We are not **simply recycling** we are **regenerating new fiber**



Let the fashion flourish

In fashion take-make-dispose mentality is the contemporary reality. This has made fashion one the heaviest burdens to our planet, our future. At the same time there simply isn't enough cotton available and demand is growing.

We need impactful solutions to save fashion & our planet, and we at Infinited Fiber are here to help.

TECHNOLOGY & PROCESS

VTT, the largest technical research center in North-Europe, has been researching Infinited fibre technology since mid 1990's by €5+million investments. The breakthrough took place in mid 2010's when VTT succeeded in making good quality textile fibers from post-consumer textile waste.

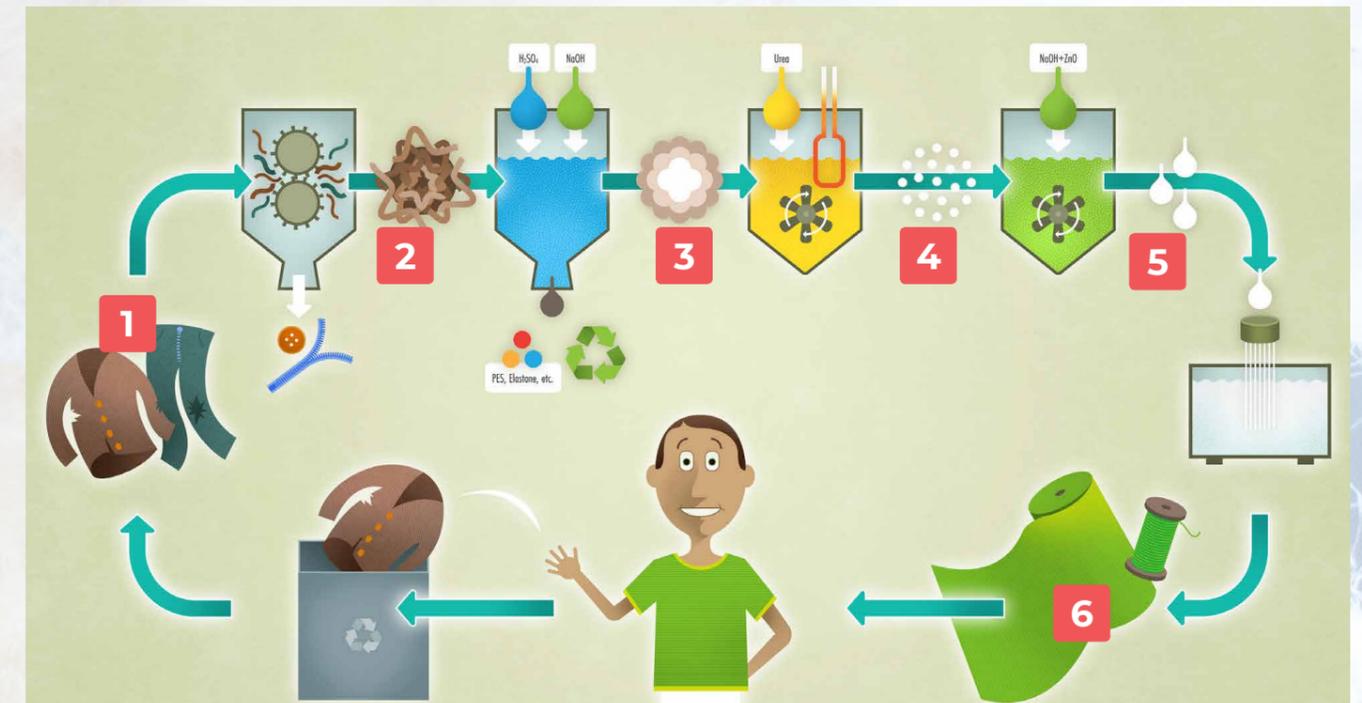
Infinited Fibre Company (IFC) was established 2016 and owns today all the patents. IFC's pilot capacity will expand from 50 to 500 tons by 2020. The first licensed commercial plant is scheduled for 2020-2021 and the first high volume >100.000-ton plant is scheduled for 2022-2023.

Our business model is to sell technology licenses to existing fiber producers in textile and non-woven industries and make the solution available for everyone as soon as possible.

Take into use our revolutionary technology

We have created a miracle: a technology that allows textile waste to be used again and again, preserving 100% quality.

Employing this revolutionary technology provides you with lucrative business opportunity with unique value proposition.



A high performance fiber is born

- Has a natural high quality feel like cotton
- High color uptake
- Needs considerably less water
- Natural antibacterial properties

- Closes the loop for cotton
- Scalable to high volumes
- Sustainable
- Turns waste to new textiles
- Is cost-efficient
- Produces new and even better cotton



Key figures:
Infinited Fiber 1,3/40 - Textile waste

Dtex	1,3
Tenacity	> 22 cN/tex
Tenacity wet	> 10 cN/tex
Elongation dry	15 – 20 %
Length	40 mm
Raw material	Textile waste 100%

- SHREDDING** 1 Clothes are shredded and non-textile materials like buttons and zippers removed.
- FIBER SEPARATION** 2 Cellulose based fibres are separated from other fibres like polyester and elastane. Colours and finishing chemicals are removed.
- CONTACT WITH UREA** 3 Urea is compressed into cellulose and heated. The cellulose carbamate is formed. Cellulose carbamate is a stabile powder that can be easily stored.
- DISSOLVING** 4 Cellulose carbamate is dissolved into honey like liquid in alkali solution. Dissolved dope is then filtered.
- WET SPINNING** 5 In wet spinning the filtered dope is pumped into acid bath through very small holes. Cellulose is crystallizing and orientated and a new fibre is born. Fibres form a tow called filament. Filament is then cut to needed length and fibres are washed, dried and baled.
- PRODUCTS MANUFACTURED** 6 Yarns, textiles and non-woven fabrics produced in different facilities.



THE NATURAL WAY FORWARD

Our beloved fashion is one of the biggest threats to our environment and we all know it.

We found a natural solution and gave cotton a new life, infinitely. Our fibre is made from textile waste but has a familiar touch and feel like brand new cotton - Reborn cotton that has forgotten its history. Soon you're able to wear 2nd generation cotton and feel comfort and joy from the fact that you have

chosen a product that is in line with the principles of sustainability, even if it feels like something you have been wearing all your life.

We seek & need partners.

If your brand or business share our vision for the fashion revolution and want to join us, please be in contact and let's take the first steps.

Together We Have Impact!



LET'S CONNECT

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