

Sustainability

# RIFAB

FROM FASHION TO HOME



 **STELLINI**  
Italian Style In Ticking Since 1947

REVOLUTIONISING MATTRESS FABRICS:

# A “Red-Carpet” Bedroom

## ‘RiFAB’ and the recovery of cellulose from discarded clothes in Fashion

Our new RiFAB fabric series marks a significant step towards the conscious reuse of material resources in the fashion industry. By harnessing the potential of Cellulose Recovery from Worn-Out Clothes, we are transforming discarded textiles into high-quality materials for mattress fabrics.

This innovative process not only redefines the concept of fashion sustainability, but also reimagines the future of bedding comfort. Join us on this journey of redefining possibilities and contributing to a more conscious and sustainable future.





## The recycling of raw materials

The process of recovering cellulose from worn-out clothes involves breaking down natural fibres such as cotton into their basic element: cellulose. Cellulose is the main structural component of plant cell walls, and is the building block of fabrics such as cotton, linen and viscose. These fabrics, widely used in clothing, have a limited lifespan due to the easy wear and tear.

The extracted cellulose can be re-processed into useful yarn for use in mattress fabrics. This approach essentially gives a second life to discarded fabrics, diverting them from landfills and reducing the demand for virgin resources.

## Viscose and fabrics for mattresses: main features

Recovered cellulose fibres find a new life in the creation of fabrics for mattresses with viscose yarns: silky and shiny in appearance, they give a feeling of softness and comfort on the skin. Fabrics made from this fibre are breathable, absorbent and biodegradable.

# Cellulose Recovery: A Sustainable Triumph

The importance of using fabrics for mattresses made from recovered cellulose cannot be underestimated and entails certain advantages:

## Green Awareness and Conscious Consumption

The adoption of these innovative fabrics in mattresses raises awareness about sustainable textiles and encourages consumers to make eco-conscious choices when selecting products for their homes.

## Conservation of Resources

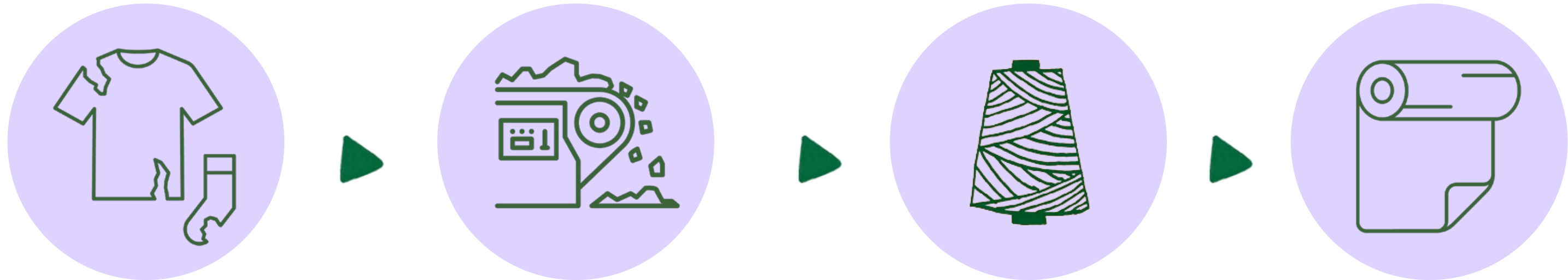
Creating new textiles from scratch requires extensive resources, from water and energy to raw materials. Using recovered cellulose reduces the need for these resources, thus reducing the environmental strain.

## Reduction of Textile Waste

The textile industry is notorious for generating vast amounts of waste. By repurposing worn-out clothing, we minimize the amount of discarded textiles that would otherwise contribute to overflowing landfills.



# The production process



1. Discarded textiles, such as worn-out clothes that can no longer be resold or used, are collected.

2. The clothes are shredded, and cleaned from extra materials like buttons, zips and colourants. Impurities like plastic polyester are taken out. What remains is cellulose pulp – the biodegradable organic polymer that cotton, trees and all green plants on earth are made out of.

3. The cellulose pulp is dried to produce 'sheets' that will be packed in bales and shipped for processing into textile fibres.

4. At **STELLINI**, the yarn is used to create **RiFAB** - fabrics made from 100 per cent clothing waste - ready to be used to make mattresses or home textiles.

# Step by step...

Mattress fabrics crafted from recovered cellulose fibers represent a significant stride towards a more sustainable and environmentally responsible future. They demonstrate that innovation and conscious consumption can work hand in hand to address the challenges of textile waste and resource depletion. Choosing **RiFAB**, we not only enjoy a more comfortable night's sleep but also contribute to a healthier planet for generations to come.



# RiFAB in a nutshell



Max.Comfort



Sustainable



Breathable



Soft to the touch

If combined with  
other natural fibers



Recyclable



Biodegradable

Europe | Italy | Fabric  
Stellini Srl  
T +39 0331 072501  
info@stellinigroup.com

Europe | Italy | Yarn  
Tessitura Stellini Srl  
T +39 0331 072501  
info@stellinigroup.com

Europe | Spain  
Stellini Iberica  
T +39 0331 072575  
iberica@stellinigroup.com

USA  
CT Nassau  
T +1 336 570 0091  
salesmgt@ctnassau.com

Canada  
Ideal Quilting  
T +1 336 570 0091  
salesmgt@ctnassau.com

Russia  
Stellini.RU  
Outside RU: T +7 4932 57 48 24  
Inside RU: T 8 800 550 19 47  
infoweb@stellinigroup.ru

[stellinigroup.com](https://stellinigroup.com)

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