

RÜTEX|360

Born from the past,  
made for **the**  
**future**

PRODUCT  
CATALOGUE





## THE FUTURE OF TEXTILES BEGINS WITH WHAT WE LEAVE BEHIND

We work in an industry that overuses resources and undervalues what's left behind: textile waste. And that's where our journey begins. Through a closed-loop system, we turn post-consumer waste, whether processed through mechanical or chemical recycling, into high-quality, durable and traceable textile products. Products that carry a story.

**A story of renewal, purpose, and responsibility!**

## WHO WE ARE

Founded in 1982, RÜTEX is a family-run textile company based in Mönchengladbach, Germany. With decades of expertise in **high-value sustainable fibres, yarns, and deep knowledge of textile processes**, RÜTEX has laid the foundation for RÜTEX 360.

## WHAT IS RÜTEX 360?

RÜTEX 360 is a sub-brand of RÜTEX, focused on **advanced, sustainable and recyclable textile solutions**.

It leverages **our technical know-how, global partner network, and diverse product portfolio** to help customers transition to circular business models and promote low environmental impact products.

We are committed to guiding customers toward compliance with future regulations such as the **EU's Extended Producer Responsibility (EPR)**.



## OUR APPROACH TO CIRCULARITY

We don't see waste. We see unused potential.

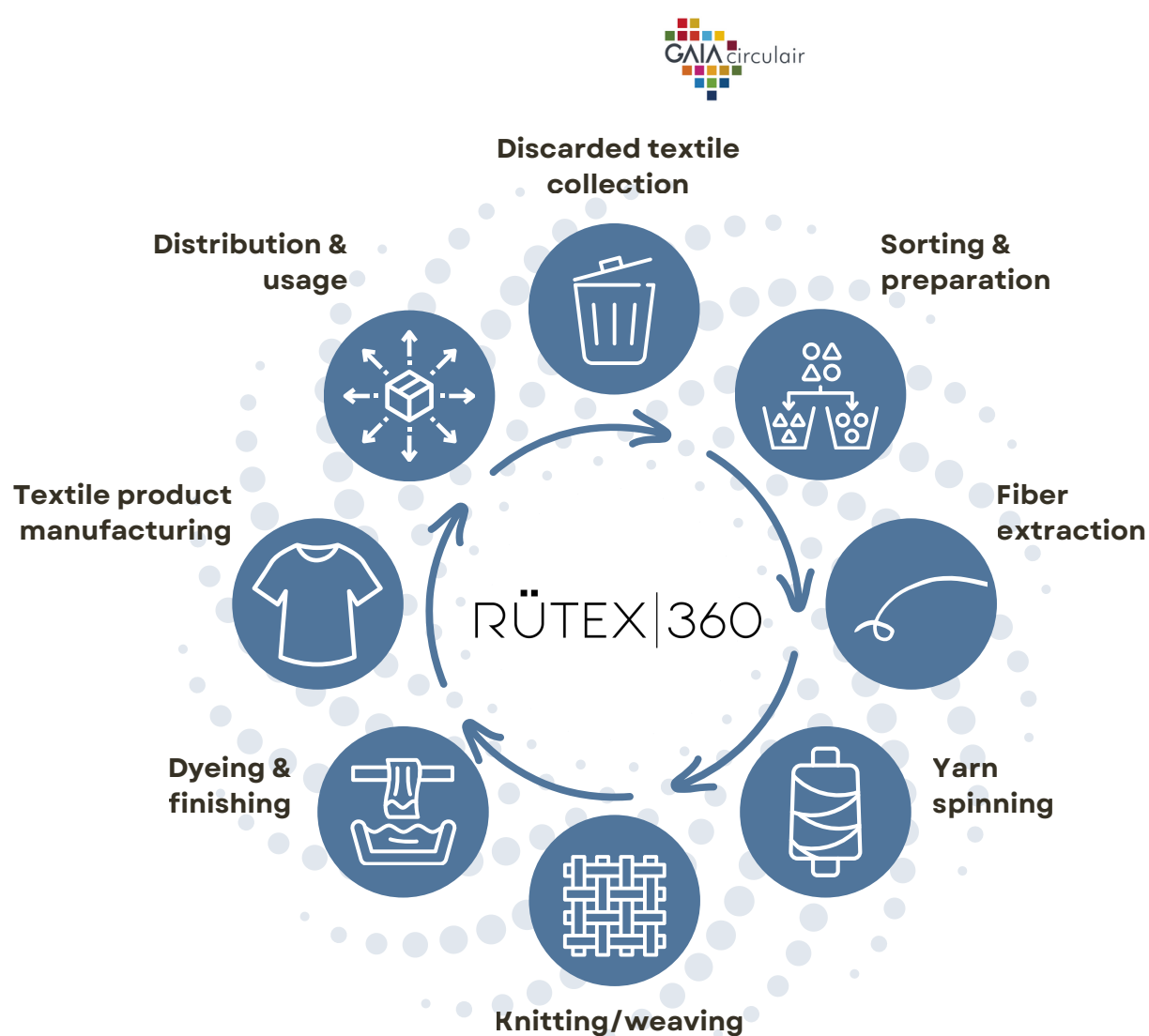
Every year, tonnes of uniforms, towels, napkins, and workwear are discarded across Europe. Most of it ends up in landfills. We step in before it does.

Working with trusted partners, we take post-consumer apparel, and give them a second life through carefully engineered mechanical and chemical processes.

The result? High-quality garments and institutional textiles that meet industry needs today and the standards of tomorrow.

It's not just about extending product life. It's about rethinking how materials move, how systems connect, and how we can work in balance using what we already have, in better ways.

**Progress isn't producing more. It's producing differently.**







# LoopUp

LoopUp is RÜTEX 360’s dedicated initiative for developing **closed-loop circular solutions** in the textile industry. With a strong focus on traceability, longevity, and environmental responsibility, LoopUp transforms discarded **European post-consumer textiles** into new, high-quality products.

Working with trusted partners like GAIA, CIBUTEX, SaXcell and TexLoop, we sort and process (via chemical and mechanical recycling) post-consumer materials into circular products, built to last, withstand repeated washing, and re-enter the loop again.

Each item includes a **Digital Product Passport and Environmental Product Declaration** for built-in traceability.

With optional functional finishes like anti-odor and low microplastic release, we enable long-term wear and a **significant reduction in carbon footprint** by preventing unnecessary washing.

## Do you really want to make an impact? Switch to LoopUp!

10,000 LoopUp polo shirts save:

Impact Savings	Re-Born Impact	Re-Active Impact*
Water	22 million (Liters) / 22 Olympic pools	54 million (Liters) / 54 Olympic pools
CO <sub>2</sub> Absorption Annually	686 fully grown trees (17.150 kg CO <sub>2</sub> )	2.196 fully grown trees (54.900 kg CO <sub>2</sub> )
Energy Consumption per Year (kWh)	16 households	48 households
Materials Saved Through Recycling (kg)	2.25	2.25

\*Re-Active products last twice as long due to odor control requiring fewer washing cycles



Products Overview		Products
Essential Line	Mechanically Recycled Post-Consumer Cotton Fibre and RPeT Recycled Polyester Content	<ul style="list-style-type: none"><li>• T-Shirts</li><li>• Polo-Shirts</li><li>• Sweatshirts</li><li>• Hoodies</li><li>• Woven Workwear Fabrics</li><li>• Towels</li><li>• Tea Towels</li><li>• Napkins</li></ul>
Hybrid Line	Mechanically Recycled Cotton fibre & Chemically Recycled Lyocell fibre from Post-Consumer Waste	<ul style="list-style-type: none"><li>• T-Shirts</li><li>• Polo-Shirts</li></ul>
Care Line	RPeT (Recycled Polyester) fibre & Chemically Recycled Lyocell fibre from Post-Consumer Waste	<ul style="list-style-type: none"><li>• Hospital Wear</li><li>• Bedlinen</li></ul>



ESSENTIAL LINE

High Content of Mechanically Recycled European Post-Consumer Fibre

# Re-Born

Designed to bring textile waste back into new low-impact, long-life products

- Truly circular, closed-loop products
- Ecodesign with end of life recyclability
- All production processes designed for high performance
- Finished for low pilling performance
- Durable & soft touch

## Products:



### T-Shirts



- **65% recycled content**
  - 45% recycled polyester
  - **20% post-consumer waste fibre**
- 35% virgin cotton

[DIGITAL PRODUCT PASSPORT](#)

[COMPARISON OF IMPACT SAVINGS](#)

### Polo Shirts



- **65% recycled content**
  - 45% recycled polyester
  - **20% post-consumer waste fibre**
- 35% virgin cotton

[DIGITAL PRODUCT PASSPORT](#)

[COMPARISON OF IMPACT SAVINGS](#)

### Sweatshirts



- **65% recycled content**
  - 45% recycled polyester
  - **20% post-consumer waste fibre**
- 35% virgin cotton

[DIGITAL PRODUCT PASSPORT](#)

[COMPARISON OF IMPACT SAVINGS](#)

### Hoodies



- **65% recycled content**
  - 45% recycled polyester
  - **20% post-consumer waste fibre**
- 35% virgin cotton

[DIGITAL PRODUCT PASSPORT](#)

[COMPARISON OF IMPACT SAVINGS](#)

### Towels



100% cotton (overall recycled content 20%)

### Tea-Towels



100% cotton (overall recycled content 50%)

### Napkins



100% cotton (overall recycled content 50%)

### Workwear Fabrics



20% virgin cotton  
**65% recycled polyester**  
**15% post-consumer waste fibre**  
210gsm 2/1 S Twill



ESSENTIAL LINE

High Content of Mechanically Recycled European Post-Consumer Fibre

# Re-Active

Crafted for durability and non-stop freshness

Re-Active includes all the features of Re-Born, plus additional features for a better performance.

- Biocide & heavy metal-free Anti-Odor Finish
- Adsorbs and neutralizes odor at the molecular level
- Reduces microplastic and fibre shedding significantly
- Highest environmental savings

↓ Less washing ↓ lower cost per use

## Products:

  
Charcoal  
Black

  
Navy  
Blue

  
Gray

  
customised  
Colour

### T-Shirts



- **65% recycled content**
  - 45% recycled polyester
  - **20% post-consumer waste fibre**
- 35% virgin cotton

[DIGITAL PRODUCT PASSPORT](#)

[COMPARISON OF IMPACT SAVINGS](#)

### Polo Shirts



- **65% recycled content**
  - 45% recycled polyester
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### Sweatshirts



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### Hoodies



- **65% recycled content**
  - 45% recycled polyester
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[DIGITAL PRODUCT PASSPORT](#)

[COMPARISON OF IMPACT SAVINGS](#)



HYBRID LINE

Lyocell Produced from Post-Consumer Discarded Textiles

# Re-Think

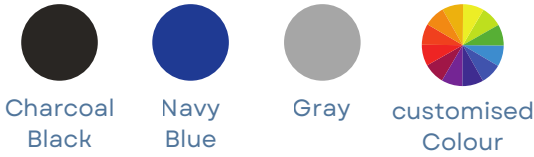
Thoughtfully created for durability with low impact.

- A combination of chemically and mechanically recycled EU post-consumer textiles
- Higher tensile strength than both virgin and most regenerated fibers
- Higher durability with less degradation of cotton fibres
- Enhanced dye absorption for richer, deeper color shades
- Durable yet soft at the same time



Over 90% less water use and 99.8% less agricultural land occupation compared to conventional cotton.

## Products:



### T-Shirts



- 50% Lyocell (produced partially from chemically recycled discarded textiles)
- 50% mechanically recycled post-consumer cotton fibre (**overall recycled content 65%**)

[DIGITAL PRODUCT PASSPORT](#)

[COMPARISON OF IMPACT SAVINGS](#)

### Polo Shirts



- 50% Lyocell (produced partially from chemically recycled discarded textiles)
- 50% mechanically recycled post-consumer cotton fibre (**overall recycled content 65%**)

[DIGITAL PRODUCT PASSPORT](#)

[COMPARISON OF IMPACT SAVINGS](#)

### Sweatshirts



- 50% Lyocell (produced partially from chemically recycled discarded textiles)
- 50% mechanically recycled post-consumer cotton fibre (**overall recycled content 65%**)

[DIGITAL PRODUCT PASSPORT](#)

[COMPARISON OF IMPACT SAVINGS](#)

### Hoodies



- 50% Lyocell (produced partially from chemically recycled discarded textiles)
- 50% mechanically recycled post-consumer cotton fibre (**overall recycled content 65%**)

[DIGITAL PRODUCT PASSPORT](#)

[COMPARISON OF IMPACT SAVINGS](#)



CARE LINE

Lyocell Produced from Post-Consumer Discarded Textiles

# Re-Think

Thoughtfully created for durability with low impact.

- Chemically recycled EU post-consumer textiles
- Higher tensile strength than both virgin and most regenerated fibers
- Higher durability with less degradation of cotton fibres
- Enhanced dye absorption for richer, deeper color shades
- Comfort touch



Over 90% less water use and 99.8% less agricultural land occupation compared to conventional cotton.

## Products:

### Hospital Wear



- 50% Lyocell (produced from chemically recycled discarded textiles.
- 50% recycled polyester
- **(65% overall recycled content)**

### Bed Linen



- 50% Lyocell (produced from chemically recycled discarded textiles.
- 50% recycled polyester
- **(65% overall recycled content)**



# RÜTEX 360 IS BUILT FOR WHAT COMES NEXT

Join us in rethinking the textile industry from its very beginning, and building a future where materials respect both people and the planet.

## CONTACT US

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