

MAIANO Re-Lab

The future of circular textile innovation

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Maiano Re-Lab is the industrial R&D division of Manifattura Maiano SPA, specialized in design development of innovative circular and textile solutions for both industries and brands.

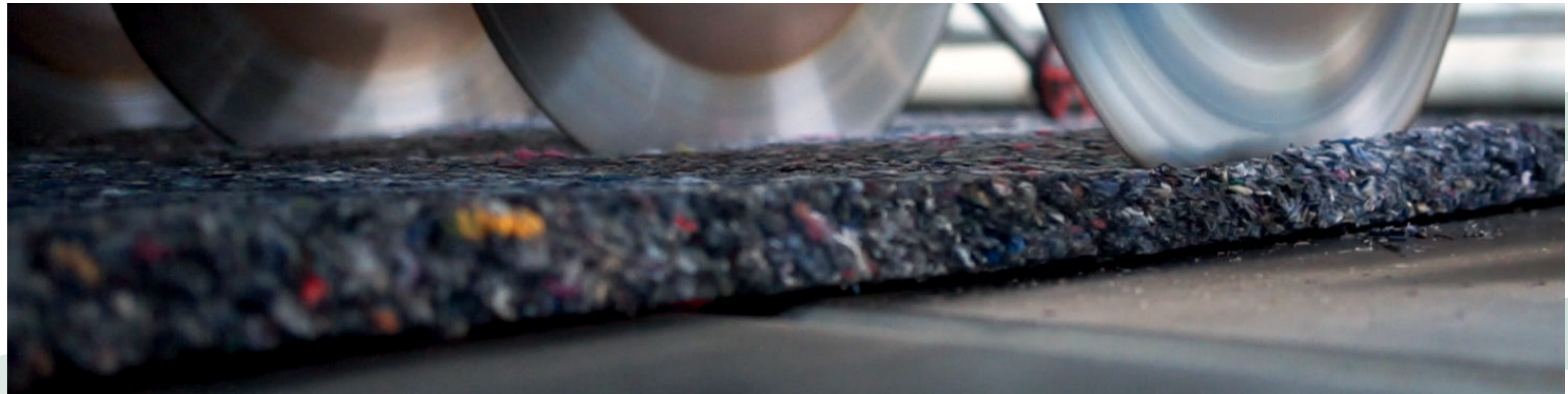


Manifattura Maiano SpA is a well-established company with over 60 years of expertise nonwoven production, based in Prato's textile district.



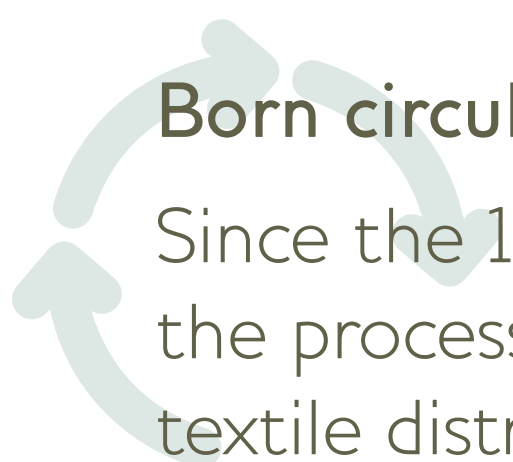
The company specializes in the processing of textile fibers to manufacture a wide range of **NONWOVEN**, managing many kinds of fibers, such as natural, synthetic, high tech, providing versatility in creating sustainable textile solutions.

Maiano Re-Lab is dedicated to researching and developing sustainable industrial applications for utilizing textile scraps in mass-produced consumer goods. This initiative establishes synergies between various industrial sectors, fostering industrial symbiosis.



The approach involves fostering collaboration across different sectors to optimize the utilization and valorization of textile scraps, ultimately minimizing waste and promoting sustainability within the industry.





Born circular

Since the 1960s, Manifattura Maiano originated with the processing of recycled fibers collected in the textile district of Prato for nonwoven production. Consequently, Circular Economy principles are emphasized at the forefront of Maiano Re-Lab operations, aligning with the global goal of reducing waste and promoting sustainable practices.



Vertical Integration

A fully integrated production process featuring multiple continuous production lines that encompass every stage of nonwoven manufacturing, from fiber preparation to the final product.



GRS Compliance

Possibility of certifying Maiano ReLab products with the GRS standard.



Certified System

Maiano Re-Lab's production control system, covering raw materials and their respective characteristics to the finished product, is certified according to ISO 9001 standards.



Extensive Experience

With many years in the industry, Maiano Re-Lab brings a wealth of experience and expertise in working of various types of recycled fibers.



Strong Knowledge of Second Raw Materials

The company has a thorough knowledge of the second Raw materials, supported by technologies, machinery and innovative production customized internally.

The Origin of Textile Fibers Used

Furnishing Supply Chains

Quilting
Upholstery Manufacturing
Non-woven Production
(Pre-consumer)

Fashion Supply Chains

Textile cycle residues
Spinning
Weaving
Finishing
Garment production
etc.
(By-products)

Polyester Supply Chains

Recycled fibers
from PET containers

With Maiano Re-Lab, it is possible to create **semi-finished products** made from regenerated fibers, including:

Felts

soft, rigid, thermoformable

Waddings

natural or recycled

Panels

acoustic, thermal or thermoformable



With Maiano Re-Lab customers can design and develop
finished products made with regenerated fibers:

Acoustic Panels

Thermoacoustic
Insulation

Packaging

Footwear

Interior Design

Objects

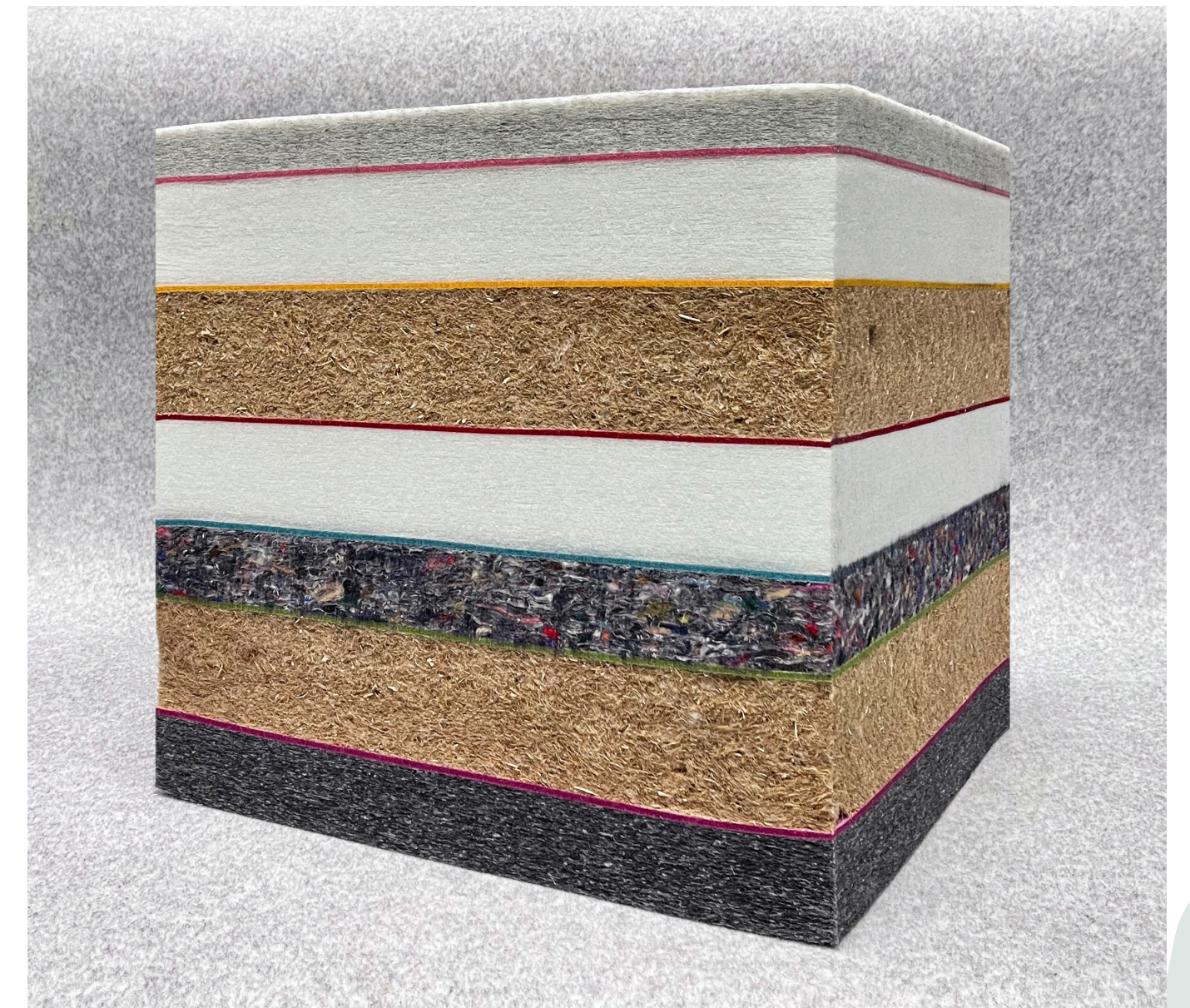
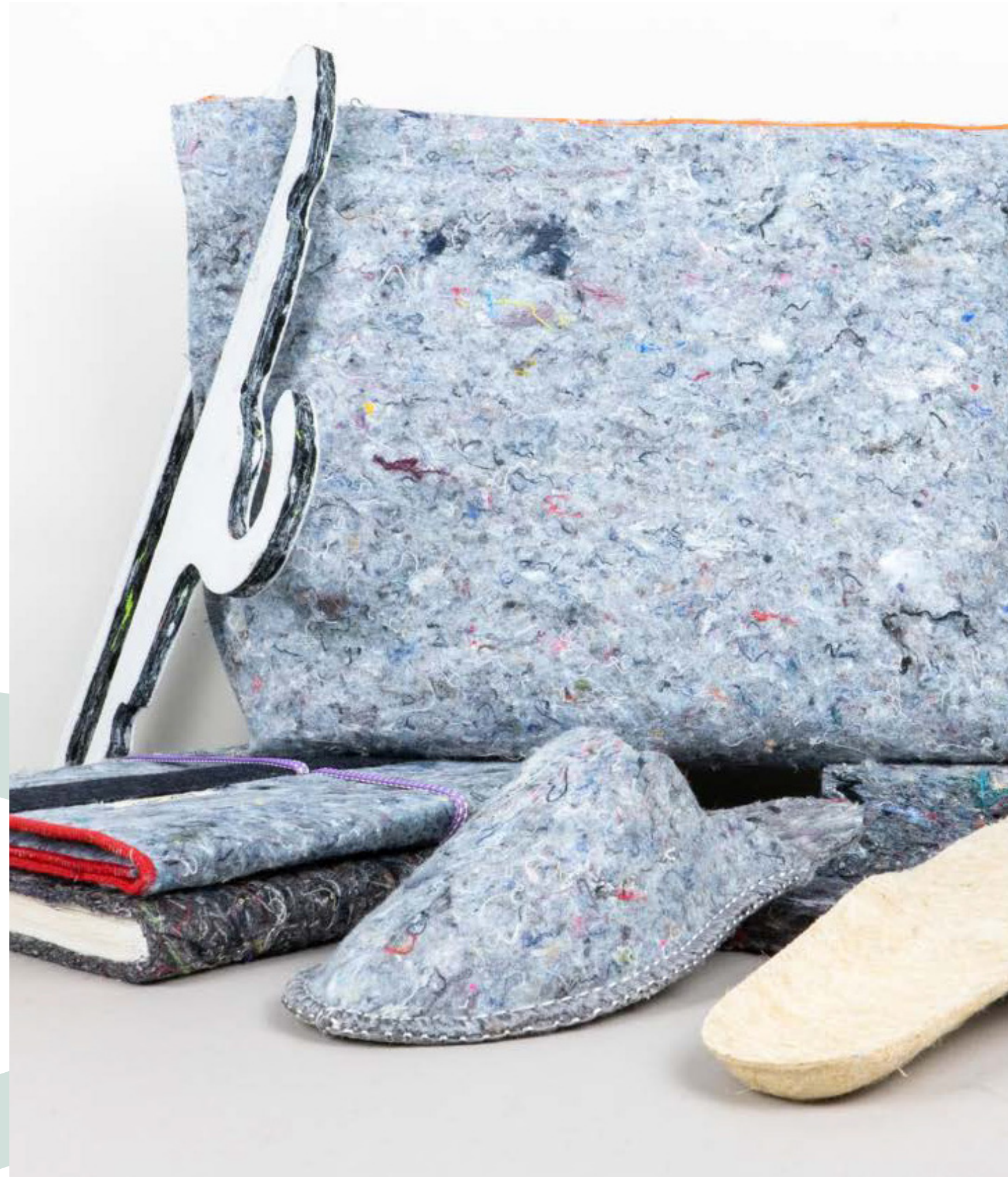
boxes, hangers, gadgets, bags, luggages

Automotive



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APPLICATIONS



Process at a glance

1 - Start

- a - Customer's textile waste*
- b - Shredded fiber provided by the customer
- c - In search of a sustainable semi-finished product made from recycled textile fibers

2 - What type of finished product do you want to create?

The Maiano semi-finished product will be tailored to meet the technical specifications and performance requirements of the final product.

3 - Production

Production of product (semi-finished or finished) prototypes for technical performance testing and the possibility of applying various finishes.

4 - Final testing and evaluation

- a - OK, so go to the market!
- b - NOPE, start again with **point 2**

5 - Go to market

Production of the finished product.

*minimum of 2000 kg per material

Choose

MAIANO
Re-Lab

as your long-term industrial partner

We are a reliable and structured partner capable of guiding a project from inception to completion. Bridging the gap between regenerated fibers and the final industrial product, we offer comprehensive support to our customers throughout every phase of the circular process.



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