

THE LOW-IMPACT VIRGIN WOOL

ReviWool®
by MANTECO

Impacts compared to generic virgin wool tops:



-65,6%
LESS ON CO₂
EMISSIONS



-65,6%
LESS ON TOTAL
ENERGY USAGE



-65,5%
LESS ON WATER
CONSUMPTION



Manteco® has been processing extra-fine virgin wool fibers into premium quality textiles since 1943, supplying the world's leading fashion brands with amazingly valuable, durable and recyclable materials. Following its circular DNA and signature will to lower environmental impacts and pursue innovation, Manteco® has deeply studied the wool production cycle and enhanced its efficiency, creating a new fiber. ReviWool® is the low-impact virgin wool, the key ingredient of our high-end and zero-waste virgin wool textiles and the clear representation of our DNA and circular-economy-driven philosophy.





ReviWool®

THE KEY INGREDIENT OF OUR HIGH-END AND ZERO-WASTE VIRGIN WOOL TEXTILES

This extra-fine and recyclable virgin wool fiber is the result of our zero-waste philosophy and our will to eliminate value leakage in the supply chain by enhancing production cycle's and material's efficiency.

ReviWool® is made of valuable co-product fibers coming from the worsting process of virgin wool, which instead of being wasted, are recovered and masterfully processed through the woollen process to create premium quality yarns and textiles, all guaranteed by our zero-mile and specialized MSystem supply chain.





ReviWool®

PROMOTES VALUE CAPTURE AND ENHANCES WOOL PRODUCTION CYCLES' EFFICIENCY

Manteco® is committed to provide zero-waste, premium quality virgin wool fabrics by optimizing the value chain and avoiding the wastage of precious co-product fibers.

They are recovered and **turned into premium textiles through the woollen processing**. In fact, during the “combing” phase of virgin wool fibers, approximately 10% of fibers fall down,* but instead of being wasted, they are recovered and manufactured through the woollen processing by Manteco®.**

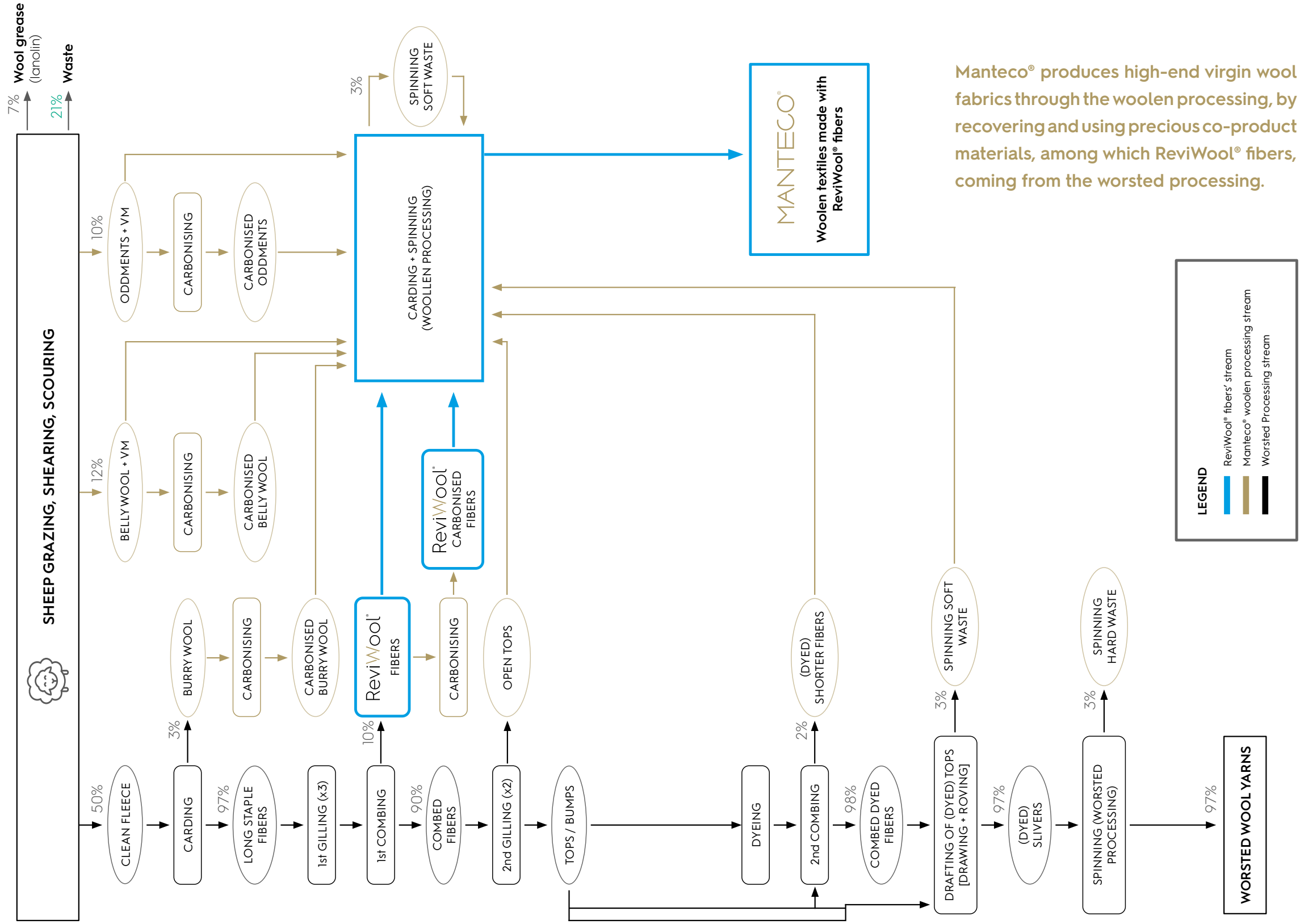
*Read our Blog
“5 reasons why wool is the circular fiber par excellence”
to learn more about this.



**Read our Blog
“What is the difference between worsted and woollen textiles”
to learn more about this.



ReviWool® FIBERS PRODUCTION



Mantecco® produces high-end virgin wool fabrics through the woolen processing, by recovering and using precious co-product materials, among which ReviWool® fibers, coming from the worsted processing.



ReviWool®

FIBERS, YARNS AND FABRICS RESPECT THE MANTECO STANDARD FOR ANIMAL WELFARE GUARANTEE, BUT THEY CAN ALSO BE RESPONSIBLE WOOL STANDARD (RWS) OR ZQ CERTIFIED

Manteco® requires suppliers of animal fibers to sign and adopt a special animal welfare standard, which is based on industry best practices in accordance with the IWTO Guidelines.



ReviWool® by MANTECO®



ReviWool®

**FIBERS, YARNS
AND FABRICS ARE
MANUFACTURED IN
A SPECIALIZED AND
LOCAL SUPPLY CHAIN**

ReviWool® fibers are turned into zero-waste, premium textiles within our MSystem supply chain, a unique network of 50+ expert textile businesses located within an area of 10 miles from our headquarter.

Our supply chain is in the Prato textile district, in Tuscany, which has been processing wool for centuries and is therefore a guarantee of scalability, reliability and quality.

Discover more about our
MSystem value chain
by scanning this QR code



ReviWool®

I M P

A C T



-65,6%
RESOURCE USE,
FOSSILS

compared to generic virgin wool tops



-65,6%
CLIMATE
CHANGE

compared to generic virgin wool tops



ReviWool®
FIBERS HAVE
REDUCED
ENVIRONMENTAL
IMPACTS



-65,5%
WATER
USE

compared to generic virgin wool tops



ReviWool®

**THE LOW-IMPACTS OF REVIWOOL®
WERE CALCULATED THROUGH
THE WORLD'S FIRST LCA STUDY
THAT MAPS AND ASSESSES
ALL WOOL MATERIALS' IMPACTS**

Our study, in collaboration with the prestigious Politecnico di Torino, provides a detailed mapping of processes and products involved in the wool production chain, from the sheep grazing to the yarn production, with particular attention to the woollen part. by considering prices of the wool products to allocate impacts. ReviWool® fibers result having an impact of 29,5 kg CO2 eq/kg, while 1 kg of not dyed wool top is of 85,7 kg CO2 eq/kg.

This approach enabled the calculation of environmental impacts of the different fibers used both in the worsted and woollen processing.



ENVIRONMENTAL PRODUCT DECLARATION

An EPD® is a certified Environmental Product Declaration, which transparently reports environmental data over the life cycle of products in accordance with the international standard ISO 14025.

Scan this QR Code to see
ReviWool®'s LCA and EPD®







ReviWool®

**REVIWOOL®
CAN BE MADE
IN ANY POSSIBLE
COLOR, ENABLING
AN ENDLESS
CHROMATIC RANGE**

ReviWool® can be dyed in order to obtain just about any possible color.

All our dyeing processes take place in our specialized MSystem supply chain's dyehouses, where our experienced wool dyers can achieve an endless chromatic range for your next collection.

All of this is in line with a specific Chemical Management Protocol for eliminating toxic and harmful substances in production through the ZDHC MRSL.



INNOVATION & CIRCULARITY SINCE 1943



MANTECO®

OUR HISTORY

Manteco is an Italian leading textile company for **premium quality fabrics and circularity since 1943.**

Its history started back in the 40s, when the founder, Enzo Anacleto Mantellassi, had the great intuition of recycling military blankets and garments to produce **regenerated wool yarns and fabrics.** Manteco® has also created its own brands of sustainable wool. M Wool®, the next generation of recycled wool, and ReviWool®, the low-impact virgin wool. All of this has led the company to become a Member of the Ellen MacArthur Foundation's Network and a partner of the Monitor for Circular Fashion by SDA Bocconi.

[READ THE FULL STORY HERE](#)



ReviWool® by MANTECO®



ARCHIVIO
MANTECO

“I strongly believe that each one of us can do a lot and that we all must take tough and fast actions, strictly following a clear roadmap with measurable and tangible targets. We must diligently rewrite the economic model on which we have based ourselves so far, by carefully planning that of the future with a new approach and forward-looking guidelines.”

MATTEO MANTELLASSI
CEO of Manteco S.P.A.

ReviWool®

by MANTECO

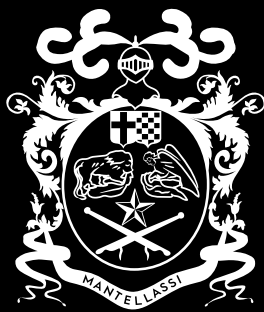
THE LOW-IMPACT VIRGIN WOOL BY MANTECO



Discover more on our website

Edition 1.0

This depliant is printed on FSC®-certified and 100% recycled paper



manteco.com

MADE IN ITALY



990029