

COMPANY PROFILE



Textile Engineering

**THE GLOBAL PARTNER
FOR THE TEXTILE INDUSTRY
OF THE FUTURE**



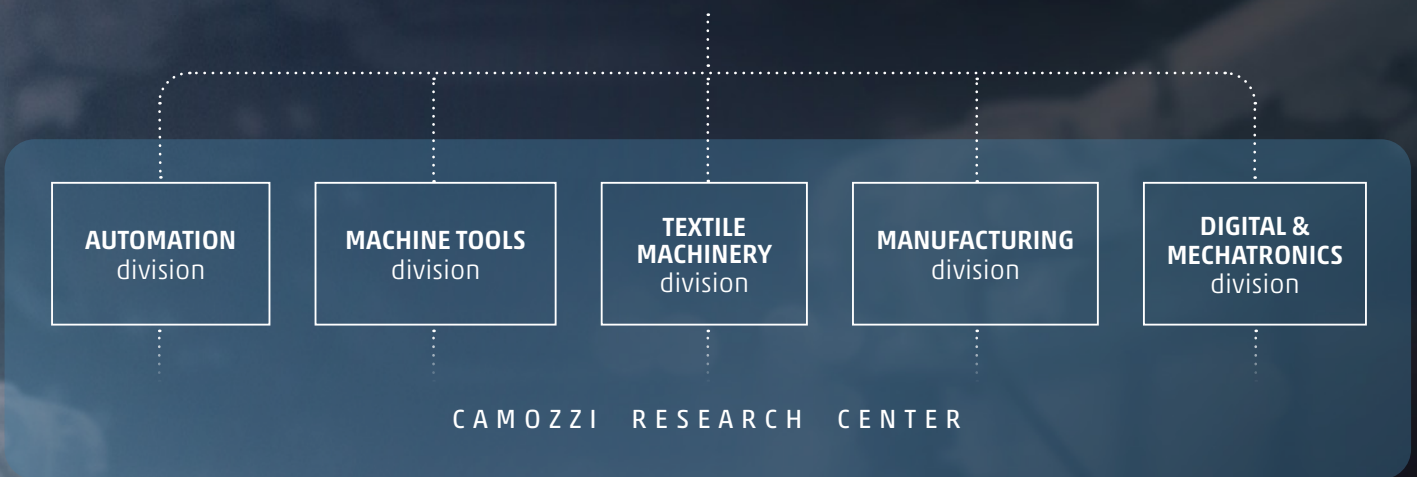
ENHANCING FUTURES TOGETHER.



Lodovico Camozzi
Chairman and CEO
of the Camozzi Group

"Every day, we work to develop technologies and products to meet the needs of our customers, paying special attention to their social impact and respecting the environment. The opportunity to lead the Camozzi Group is a great honor and a great responsibility".

A handwritten signature in black ink, reading "Lodovico Camozzi". The signature is fluid and cursive, written in a professional style.



Founded in 1964, the Camozzi Group is a multinational Italian company and market leader in the production of components and innovative systems for **industrial automation**. It is also a main player in the integrated **Industry Internet of Things (IIoT 4.0)** systems sector. A key driver for the Group is a commitment to complete sustainability.

The Group has expanded its activities into various other sectors: from specialised large machine tools to **advanced engineering for textile machines** and raw materials processing. It has a particular focus on innovative materials involved in additive manufacturing (including composites, titanium, aluminium).



78
COUNTRIES



5
OPERATING DIVISIONS



38
SUBSIDIARIES WORLDWIDE



26
PRODUCTION SITES

THE GLOBAL PARTNER FOR THE TEXTILE INDUSTRY OF THE FUTURE



OUR VISION

For over 170 years, we have developed the future. Our history, our heritage and our people are our identity. Being a brand that represents the excellence of Italian design in the textile machinery industry means knowing how to combine innovation and tradition, creativity and precision, reliability and an unconventional approach to the challenges of the modern world. Distinctive features of Italian culture.

Promoting passion, innovation and perseverance. Encouraging the constant growth of a rational, engineering, customer-oriented approach that concretely meets industrial needs. An approach that allows us to continue creating evolutionary processes, sustainable solutions and disruptive circular technologies. Promoting a company that knows how to lead change.

OUR MISSION

Shaping the textile industry of the future through 4 fundamental pillars:



DIGITALIZATION & AI

The long-term vision and innovative digital journey, that Marzoli and the Camozzi Group designed in 2010, has made it possible to develop the first A.I. enabling platform dedicated to the textile industry. Sustain the corporate's strategy for accelerating and spread the digital transformation processes and culture, as well as the adoption of AI

technologies across industry. In a dynamic and multifaceted context such as that of Industry 4.0, we play a leading role and, by combining our industrial skills with the most advanced technologies, we are able to create innovative solutions pushing towards the frontiers of continuous improvement.

AUTOMATION

More than 170 years of textile technology and optimising the spinning process has resulted in our strong commitment towards the automation of production lines and processes. We firmly believe automation, directly connected with digitalisation solutions and AI, constitute the enabling platform necessary to standardise quality, improve

performance and enhance productivity. The capability to fit an advanced automation system to an existing ecosystem, improving workplace conditions, and workers' engagement, while reducing wearing and alienating tasks, is a tailor-made approach which Marzoli will deliver and promote through Marzoli India.

CUSTOMIZED ENGINEERING SERVICES

We address the needs of our customers with tailored solutions. We want to do this by identifying and understanding emerging trends, working in close contact with customers, research institutes, competence centres and technological suppliers to create value through expert engineering

and networking. Marzoli India will be an open house for our customers, where different ecosystems can meet, and ideas shared to create disruptive concepts and solutions.

CIRCULAR ECONOMY

Circular economy. Make the circular economy real in the textile industry, is our vision. Our mission: the development of circular technologies and processes that carefully balance economic and environmental sustainability. The Marzoli India circularity programme is aimed at promoting supply chain synergies, able to realise full-scale industrial

projects for the regeneration of valuable fibres from industrial and consumer waste fabrics. We are going to establish this circular alliance with strategic stakeholders by the end of 2025.

MARZOLI TEXTILE ENGINEERING

Marzoli is a textile engineering company which, over the past 10 years, has focused its efforts and resources on developing an exclusive concept that covers 4 separate but completely interconnected areas:

- **Spinning Technology**
- **Digital Textile**
- **Nonwoven solutions**
- **Circular Solutions**

Spinning Technology represents our core business: thanks to extensive experience in each phase of the manufacturing process and the treatment of a vast range of fibres combined with the most advanced IIoT knowledge, Marzoli can offer expertly designed and digitised spinning solutions.

Nonwoven and **Circular Solutions** are, for Marzoli, two areas characterised by continuous innovation: we constantly focus on studying new designs and developing cutting-edge technologies in order to meet the specific requirements of our customers, paying special attention to emerging trends and needs.

All this is joined by another essential resource: **Digital Textile**, what we call the digitisation and application of AI technologies that support and make the development of these project possible, contributing to the constant improvement of machine performance and resulting in a significant increase in productivity while reducing energy consumption and minimising production waste.

These four areas are united and interconnected by **sustainability**, a concept that here at Marzoli translates into a reduction of the environmental



impact of our production processes in all phases of the product lifecycle, as well as the ability to create new circular processes that can give added value to textile waste.

This is possible thanks to the creation and adoption of mechanical fibre regeneration processes, along with the creation of innovative materials related to the world of bioplastics.

As a textile engineering company, Marzoli intercepts and understands emerging trends and new opportunities, with a view to working closely with customers and supporting them throughout every phase of the process: from the preliminary study of needs to the creation of perfect solutions, from line start-up to line optimisation, management and subsequent commissioning, for both individual machines and larger installations. Staff training and maintenance planning, business plan development, technical feasibility studies and automation level analyses then complete the overall project.

GLOBAL STRATEGY. LOCAL PRESENCE.



Marzoli has always helped customers achieve the highest levels of efficiency and productivity, while ensuring the very best quality standards.

Our aim is to work closely with customers, building long-term relationships for the creation of added value and using our experience to respond to their needs.

Marzoli's global presence plays an important role. Our four branches in strategic textile market locations allow us to promptly offer the best level of service to customers around the world.

**Want to learn more?
Contact us**



YOUR PARTNER FOR FULLY AUTOMATED AND DIGITALIZED SPINNING MILL

Our three sections can optimise the entire production process.



Opening | Card

Draw frame | Lap winder | Comber

OPENING AND CARDING SYSTEM

Opening, cleaning, mixing and carding: Marzoli offers cutting-edge technical solutions for the processing of all types of cotton staple fibres - natural, synthetic and artificial, technical and blends - and every type of woven and non-woven application. Marzoli's opening and carding section features innovative mechanical solutions that make it possible to decrease stress on fibres, thanks to a progressive opening action, and achieve better mixing, cleaning and carding.

AUTOMATED COMBING

The quality and productivity of the combing section are guaranteed by fully-automatic lap transport systems and frames. On-board electronic control units and production management software allow constant production flow throughout the section and, at the same time, ensure the maximum flexibility of the machinery as operating conditions vary. In addition, the section boasts outstanding performance in terms of quality: excellent fibre selection, nep and short fibre removal and maximum sliver evenness with minimum waste.

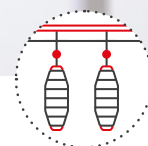
Roving frame | Spinning frame



■ INTEGRATED SPINNING TECHNOLOGY

The spinning section features a complete machinery line comprising roving frames, transport systems and spinning frames. This is made possible by an innovative engineering concept based on the total mechanical and logical integration of each machine in the section. A solution that expresses its full potential in terms of greater flexibility and efficiency, supported, for the very first time in the textile sector, by M2M and M2H technology.

Transport Systems



■ AUTOMATION

Automation throughout the line, provided by the integrated lap transport system, bobbin transport system and exchanger, enables synchronised and entirely flexible management of the spinning process. This means you can optimise machine speed and reduce energy consumption, with the added benefit of effective predictive maintenance.

DIGITAL TEXTILE

5 Solutions for completely digitalized spinning mill

The evolution of the industrial world has led to the development of a global network that can combine and connect machines, generating added value through big data. In the textile sector, this added value consists of the ability to constantly monitor machine performance and ensure the optimisation of critical parameters, and the ability to make informed business decisions based on constantly updated data.

Each of these decisions is another step towards increasing flexibility and customisation, with a view to achieving maximum efficiency and productivity.

YARNET

This digital solution collects and analyses all the parameters necessary for the continuous and proactive monitoring of the entire spinning mill in real time. YarNet allows:

- Easy and intuitive management of the production process.
- Optimal use of all productive resource.
- Waste reduction, by limiting waste, errors and machine downtime.
- The creation and saving of an unlimited number of recipes.

YARNET
Marzoli Production Management



MRM

The first patented software dedicated to predictive maintenance in the textile industry makes it possible to automatically and immediately identify any technical malfunctions while the machinery is in use, promptly alerting the operator.

This translates into optimal maintenance planning and lower operating costs for customers who also benefit from improved machinery performance.

MRM Marzoli Remote Maintenance
IoT Platform by Microsoft®

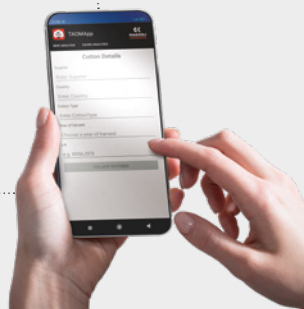


TAOMApp

This application introduces an innovative approach to cotton analysis, allowing you to easily and quickly define the trash content of the raw material to be processed by simply taking a photo on your smartphone. Using the most advanced image recognition technologies, TAOMApp calculates the Marzoli Trash Index, expressed as a percentage.



TAOMApp
Mobile Application



TRASH ANALYZER

The automatic tool for online waste analysis. Applicable wherever there is a flow of material in a pipeline, the Trash Analyzer can analyse the trash content of the raw material being processed without any machine downtime, thanks to integration with Marzoli's AI platforms.

BRAIN BOX

The intelligent box which optimises roving frame performance. Brain Box is a hardware device set up to communicate with the machine thanks to artificial intelligence, making it possible control the machine parameters and maintain the highest production and efficiency levels and, at the same time, guarantee the lowest possible energy consumption.

NON-WOVEN TECHNOLOGY FOR EXCELLENT QUALITY WEBS

Obtaining high quality fabrics has become **increasingly important in the non-woven fabric sector**, especially for products that come into direct contact with the skin, which must meet stringent softness, toughness and anti-pilling requirements.

At the same time, **these products need to be relatively affordable and use** the least amount of fibre possible.

This has led manufacturers to rely increasingly on fine and natural fibres such as cotton.

Thanks to our experience and technical knowledge of this type of processing, **Marzoli can offer complete lines for the production and packaging of non-woven fabric products.**

By developing strategic partnerships with each customer, as well as with selected suppliers, Marzoli's solutions are able to perfectly meet individual production needs.



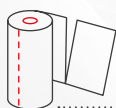
**In particular, Marzoli solutions
can be used to manufacture:**



WIPES



MEDICAL AND SURGICAL
PRODUCTS



DISPOSABLE PRODUCTS

**WORKING WITH
MARZOLI MEANS:**

- Relying on just one partner for the supply of a complete line that offers high quality and flexibility.
- Taking advantage of our technical skills and expertise, and that of our partners, all the way from the design phase to installation.



CIRCULAR TECHNOLOGIES

The pathway to a sustainable textile sector.

Since 2012, Marzoli has been testing and developing exclusive and innovative fibre regeneration processes, to give life to new materials and products that meet consumers' growing demand for sustainability.

Marzoli know-how is based on the mechanical processing of both postindustrial and post-consumer fabric waste, to create new fibres with characteristics that allow processing with traditional spinning technology.

Our experience in the field of circular solutions comes from the extensive study of raw materials, resulting in the development of an awareness that will make us an important player in the world of regeneration.



MARZOLI EXPERIENCE

REGENERATED MATERIAL WE HAVE PROCESSED - 100%:

- Cotton
- Polyester
- Viscose
- Acrylic
- Wool

REGENERATED MATERIAL WE HAVE PROCESSED - BLENDS:

- Cotton-Polyester
- Cotton - Wool
- Cotton - Lycra
- Cotton - Viscose
- Cotton - Hydrophilic Cotton
- Nomex - Viscose
- Rayon - Viscose
- Viscose - Nylon
- Meta Aramid - Viscose
- Modal - Acrylic

MARZOLI SOLUTION

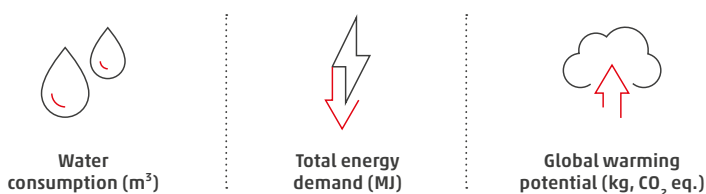


Post-Industrial | Post-Consumer

Regenerated Fiber



The effects of adopting circular technologies for the processing of textile waste can be summarised in three macro advantages:



In promoting the adoption of circular technologies for the textile industry, Marzoli has demonstrated, along with outstanding supply chain partners, the ability to process post-industrial denim waste. This resulted in the creation of an excellent Ne 30/1 yarn which, combined with 50% virgin fibre, has created new, circular fabrics and garments. A thorough Life Cycle Assessment of this pilot project demonstrated positive effects* in terms of:

- **Reduction of water consumption: - 70%**
- **Reduction of energy consumption: - 39%**
- **Reduction of Co₂ emissions: -40%**

* The results refer to the comparison with a production process that uses 100% virgin cotton.

Our mission is to make the circular economy a consolidated reality within the textile industry.

"We firmly believe that environmental sustainability must coincide with economic sustainability. This promotes the more and more concrete adoption of circular solutions and processes in the industrial world. We are also convinced that fabric regeneration will make it possible to achieve the circularity of fibres, as well as a strong synergy in the value chain that will drive an equally strong circularity of skills and innovation, rapidly increasing the potential of the entire circular supply chain and its stakeholders."

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