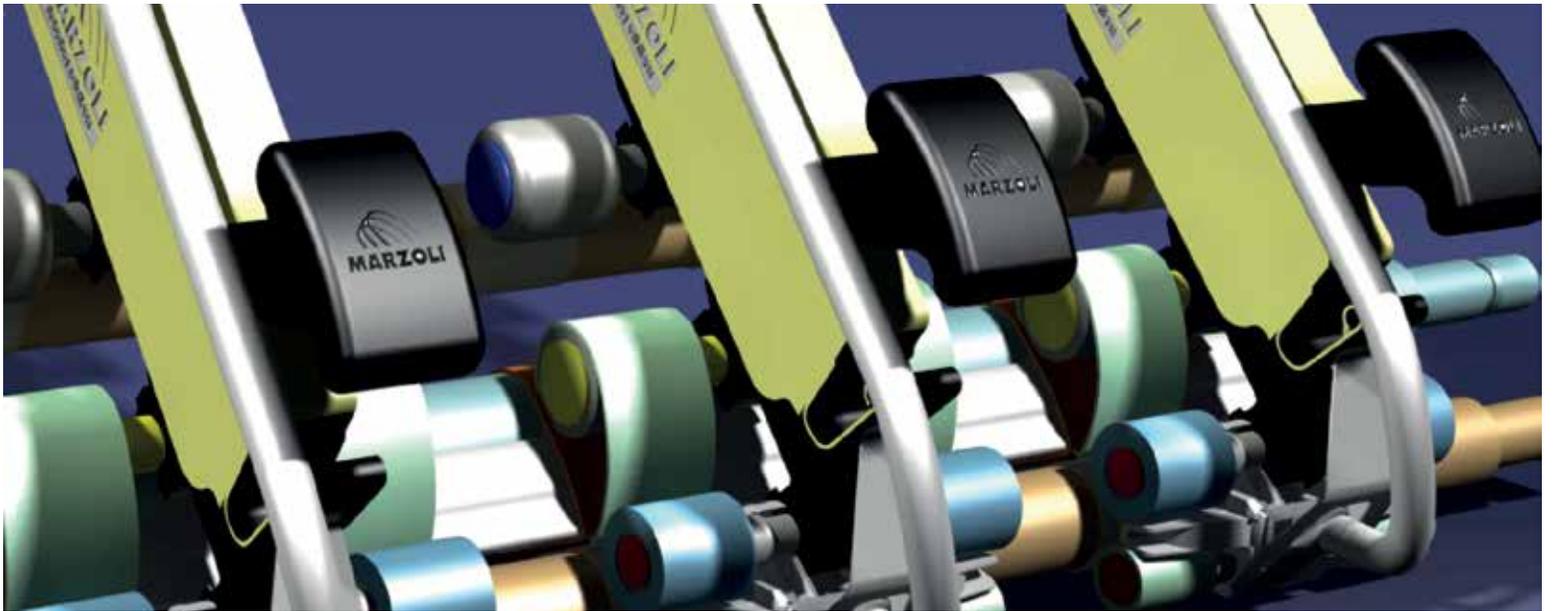


# MV World

news from the world of spinning solutions

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## TECHNOLOGICAL RESEARCH AND DEVELOPMENT IN THE TEXTILE MARKET: rapid growth and high diversification



**A**chieving excellence and leadership in the Italian fashion and textile industry has always been the result of a constant endeavour to innovate both the products and processes.

Today more than ever, an even bigger creative effort is needed to face the challenge posed by countries where labour cost is extremely low.

The remarkable speed of scientific and technological progress requires the research and industry world to develop knowledge at an ever accelerated rhythm and with increased efficacy. In the first academic paper investigating the returns of Industrial Research and Development (published in 1988), R.C. Levin, says: 'to have the incentive to undertake research and development, a firm must be able to appropriate returns sufficient to make the

investment worthwhile. The benefits consumers derive from an innovation, however, are increased if competitors are able to imitate and improve upon the innovation to assure its availability on favourable terms. Patent laws seek to resolve this tension between incentives for innovation and widespread diffusion of benefits.'

In particular, over the last 5 years, Marzoli has increasingly decided to push forward new ideas, to test new technological and non technological developments and solutions, investing in research to respond to the need for innovation which is now essential to competing in international markets. With this purpose in mind, Marzoli has by now filed at least 50 patents for its Galileo machinery range.

Commitment to R&D has led Marzoli to develop a new and complete line of machinery

to accompany the Clients in everything from raw material to yarn, as well as improved solutions for denim and innovative yarn compaction technologies such as the new Mac1.

Over the last 5 years, Marzoli's annual turnover has increased by 10 percent as a result of a constant investment in Research & Development. 'Innovation is the key', says Marzoli's CEO and general managers. What does it mean?

The Galileo line has been and will be further improved due to the constant investments in research. Satisfying market demand is essential to Marzoli's philosophy, as well as getting into niche markets by providing maximum product customisation. The investments and commitments Marzoli undertakes today will be the key to their Client's competitiveness and success tomorrow. Mar-

zoli's Sales and Technical Departments actively cooperate in the development of the Client's projects for growth. It is not simply selling machinery: Marzoli's objective is to provide extremely customised machinery to enable their Clients an exponential growth in the markets of their interest.

Marzoli has achieved an in-depth deep knowledge of the market of yarn users and its dynamics, as well of the fashion trends that orientate the market demand. This makes Marzoli a reference point for its Clients, and for this reason, we would like to clarify some basic concepts about current trends in the market demand for yarn.

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# AT THE ITME TOGETHER WITH MTMM (INDIA, DECEMBER)



From 2nd to 7th December 2012 the Bombay Convention

& Exhibition Centre, Goregaon (E) of Mumbai (India) will host the annual edition of ITME, the main International Textile Machinery Exhibition of India, which will offer a major display of the achievements of technological progress in the third millennium. Marzoli and its sister company, MTMM (boasting new headquarters in Bangalore) will

be there to demonstrate that technological progress is the key to excellence. The Marzoli Group is at the forefront of innovation. Its ever-growing success is based on Research & Development and further supported by the Group's extensive presence all over the world. The establishment of Sales and Technical Offices in several Countries ensures

efficient assistance and quick availability of any spare parts, everywhere.

ITME will be the closing event of 2012: another opportunity for Marzoli to attract prospective Clients and conclude new contracts and agreements.

This year, Marzoli has participated in the following trade fairs:

<i>event</i>	<i>sector</i>	<i>location</i>	<i>duration</i>
INLEGMASH	RUSSIA	MOSCOW	12th-14th March
EXINTEX	MEXICO	PUEBLA	13th-16th March
ITM	TURKEY	ISTANBUL	21st-24th April
SIMATEX	ARGENTINA	BUENOS AIRES	14th -17th May
ITMA ASIA	CHINA	SHANGHAI	12th-16th June
CAITME	UZBEKISTAN	TASHKENT	12th-14th September
Textile Industry worker's day	TURKMENISTAN	ASHKHABAD	2nd-4th June
ITME	INDIA	MUMBAI	2nd-7th December

## ITM TRADE FAIR 2012, Istanbul 21st - 24th April 2012

At ITM 2012, in a 240 m<sup>2</sup> stand, Marzoli put the complete Galileo line of combing machines on display, made up of the new DFR1 draw frame, the new lap winder LW3 (completely redesigned) and the comber CM600. Several Clients located all over the world have been using this new machinery for months now, achieving quality and production results which are truly amazing. The machines were all kept operating and producing during the trade fair, and the new Marzoli C701 carding machine (1.5m wide) was announced. What makes this product really unique is its carding surface (3.74m<sup>2</sup>), the widest out of all the carding machines manufactured in the world, allowing for a better distribution and treatment of the fibres and consequently ensuring excellent quality.

### Visitors

Obviously, the greatest number of visitors came from Turkey (75%) whereas most of the remaining 25% came from (listing by number) Iran, Egypt, Syria, Uzbekistan, Russia, and other countries.

We had the honour of being visited by all the main Turkish textile groups and spinning

companies, who appreciated the opportunity to see our new machines in operation.

On 22nd of April, Marzoli Clients enjoyed a gala evening at the famous Italian restaurant 'Bella Vista' in Istanbul, offered by Mr Ludovico Camozzi, CEO of Camozzi Holding. 80 people attended the event from 30 different spinning companies using Marzoli machines. During the trade show, plaques were awarded to several Clients who installed complete Marzoli systems. Amongst them was Mr Erdogan Seremet of Gol Iplik, who was awarded the plaque for having exceeded the number 100,000 spindles on 100% Marzoli machinery.

### CAITME 2012 – Tashkent

From 12th to 14th September 2012, at the Tashkent exhibition centre the seventh edition of CAITME was held. This great exhibition dedicated to machines and technologies for the textile industry gathered all the major machinery manufacturers as well as local producers of yarn, fabric and retail yarn, recording a good turnout of visitors, including operators from neighbouring countries.

Much interest was expressed towards the new system installations, and as Uzbekistan

is among the top global producers of cotton, we are likely to expect an increase in the number of spindles installed within the next five years.

### Important visitors:

- Astera
- TTG
- Namtex
- Plasteks
- Turon Tex
- Guliston tekstil fayz Baraka
- Daewoo Textile Bukhara
- Luch Stom Enterprise
- Tekstile spectrum
- Bedeil

### EXINTEX 2012 – Mexico

The exhibition reflected positive signals from the market, with a good number of exhibitors and a good turnout, especially in the middle days. The presence of many spinning companies with their own stands, all located in a dedica-

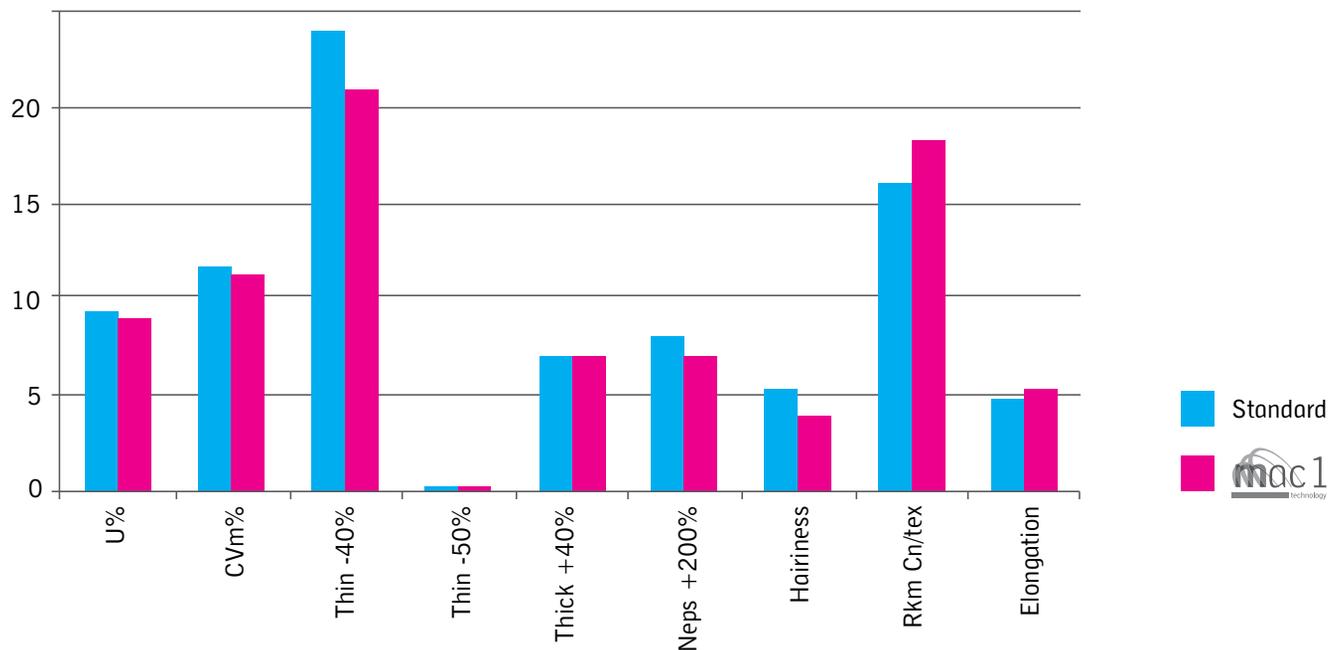
ted area for improved visibility, was also a significant aspect of the event. The general comments on the market were positive; everyone expressed high expectations for a recovery to occur in 2012 - 2013. Most interest was shown both in the replacement of machine sets and in the expansion of already existing systems.

### Among our visitors:

- Filafil
- Zagis
- Zermatex
- Uz-Messicana
- Hilmex
- Marilu
- Turbo Yarn
- Corduroy
- Alsaciana



# MAC1: QUALITY COMPACTING MADE SIMPLE



High quality combed yarns are increasingly being sought out by weavers, as they are essential for the production of high quality fabrics, which, in addition to a higher contribution margin, allow for greater visibility on the global market. The quality of combed yarn is often associated with the compacting process, by which fibres are condensed in the drawing phase, resulting in a less hairy yarn and greater tensile strength. Compact yarn is even more resistant to stress during downstream processing and provides fabrics with a better appearance and a greater resistance to wear and tear.

## Compact spinning

The Marzoli MDS1 ring spinning frame satisfies the most varied needs and requests with extreme ease, speed and accuracy. Accuracy and high quality of yarn manufacturing are ensured by the peculiar geometry of the spinning frame, the new but already consolidated drawing units spread over three different points of the machine, and to the high electronic accuracy. The MDS1 spinning frame can be equipped at any time with the Marzoli Mac1 compaction device. The combination of the MDS1 spinning frame and the Mac1 allows the production of combed yarn of the highest

quality without limits in the counts range.

## Production

The Mac1 compact yarn enables greater productivity of the spinning frame. Its great resistance allows reducing yarn breakage events and enables increasing spindle speed or reducing yarn twist.

## Weaving

There are several advantages to using compact yarn. Compared to conventional yarn, compact yarn has greater resistance to lengthening, which allows higher yield as it reduces the occurrence of breakage in all the various processing phases, from warping to weaving, whilst the reduction in yarn hairiness allows to reduce the use of size for bathing without reducing yarn performance. All this of course also improves the final appearance and feel of the fabric, making it more pleasant and attractive due to reduced hairiness.

## Knitting

In knitting, the reduced hairiness of compact yarn decreases rubbing friction and dust formation, thus improving the machine performance; in addition. Compact yarn reduces the needles wear and the final knit will be less subject to peeling.

## Compaction with fancy yarn compaction

Amongst the main strengths of the MDS1 spinning frame is its slubbing system, which makes it top-of-the-range in terms of flexibility, ease of use and especially in terms of performance (slubs per meter, minimum length of the slub and multiplier). Mac1 enables manufacturing fancy yarn free from any weaknesses and with higher-than-average tensile strength. The yarn is shinier and the fabric brighter.

## Compaction with core yarn

The high flexibility of the Marzoli spinning frame enables compacting yarns with both rigid and elastic nylon core. The bundle of compacted fibres is better distributed around the nylon core and hairiness is reduced; the yarn is shinier and brighter, and so are the fabrics which are produced from it.

Due to the peculiarity of the core used for compaction, Mac1 requires much lower suction compared to the majority of compaction systems; it leads to an increase in consumption compared to traditional spinners, but it offsets such an apparent disadvantage by an immediate increase in production. The Mac 1 system is totally independent and can be easily

installed to the spinning frame in just a few hours, effectively transforming a traditional machine into an innovative and complete system for the manufacture of compact yarn. It can work with different types of drafting arms, arch and step bridges for lower belts, and traditional cradles or cradles with fibre control bar; the Clients can choose the solution that best suits their production needs and requirements. The time and costs for cleaning and maintenance are very low; an advantage that adds further added value to your yarn.

*(In the graph)  
Comparison between standard and compact yarn.  
All the values relating to yarn evenness and imperfections are improved or remain unchanged compared to the standard graph, hairiness decreases and tensile strength increases.*

LET'S OUR FUTURE ALWAYS SHINE.  
BEST WISHES AND HAPPY NEW YEAR



Anything great has ever born  
*Without enthusiasm*

