

Marzoli Monthly Magazine # 5

Marzoli Achievements:

Digital & Mechatronics - Digital solutions for process automation From big data to the valuable asset

Camozzi Digital & Mechatronics provides a digital platform with several packages and solutions for connecting machines and plants to the Cloud, allowing the intelligent management of data and transforming this into high-added-value information for customers.

Moreover, Camozzi Digital & Mechatronics creates end-to-end cyber-physical system networks capable of incorporating sensors and Camozzi (or third-party) components that easily integrate complex process data into enterprise management systems and into the Cloud. This process takes place through three phases:

- **Product digitalization** - the installation of sensors and processors into components and machines for the continuous monitoring of the essential parameters.
- **Data elaboration** and processing through statistical analysis, model, tendencies, correlations, and anomalies analysis, leading to a deep knowledge of the data and of possible manipulation techniques.
- **Reference modeling** - producing performance reference models of machines to establish energy consumption, productivity, and predictive maintenance parameters that enable continuous comparison with real-time operation, anywhere on any device.

Camozzi Digital & Mechatronics collaborates with leading technology organizations such as SAP, Microsoft, Siemens, and ABB to create solutions capable of capturing significant volumes of production environment data which can be used to improve process knowledge, define automation control programming, and enable effective and efficient intervention.

Camozzi Physical Cyber System



Result



Predictive maintenance - Machine learning - Energy saving - Data analytics - Reduced total cost of ownership - Increased equipment productivity.

 **SAVE THE DATE:**

ITMA 2023 is the world's largest international **Textile** and **Garment** technology exhibition.

8 - 14 June 2023 - Fiera Milano Rho, Milan, Italy

Come visit us at **Hall 1 - Booth D109** to see first-hand our #SpinningTechnology for the #Textile sector.


For more info  / Register here  <https://itma.com/>



Market Information:

Textile Industry & Market Growth in India

India is the second largest textile and clothing exporter in the world, with a total export of US\$ 44.4 billion in FY22.

 <p>ADVANTAGE INDIA</p>	<ul style="list-style-type: none">• Robust demand: Cotton production in India is projected to reach 7.2 million tonnes (~43 million bales of 170 kg each) by 2030, driven by increasing demand from consumers. India's textile and apparel exports (including handicrafts) stood at US\$ 44.4 billion in FY22, a 41% increase YoY. Exports of readymade garments including cotton accessories stood at US\$ 6.19 billion in FY22.• Competitive advantage: Abundant availability of raw materials such as cotton, wool, silk and jute.• Policy support: In October 2021, the government approved a scheme worth Rs. 4,445 crore (US\$ 594.26 million) to establish seven integrated mega textile parks and boost textile manufacturing in the country.• Increasing Investments: Huge funds in schemes such as Rs. 900 crore (US\$ 109.99 million) for Amended Technology Upgradation Fund Scheme (ATUFS) have been released by the Government in the union budget of 2023-24 to encourage more private equity investments and provide employment.
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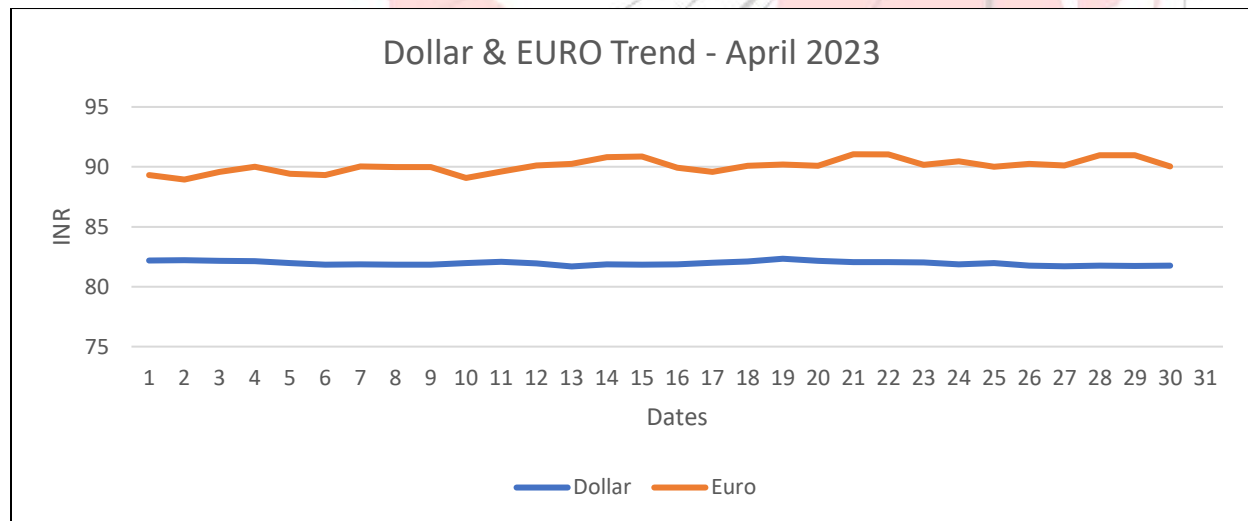
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Money trend:



Marzoli Patent Information:

Comber CMX

Marzoli Comber CMX (10 Combing heads) is a result of a long-standing tradition in the design and development of combers for short-staple fibers. 1st time in the history of spinning, we have developed a comber with 10 heads and with continuous motion of detaching rolls.

P - Productivity - 25% higher productivity

P - People - Saving on maintenance

P - Payback - Short as the number of machines required is less and even the space required is less.

P - Performance - Results are comparable with the competitor's comber.

P - Patented - The only supplier to provide Comber with 10 heads.

P - Power - 20% lesser UKG

P - Profitability - Reduced cost of automation due to reduced gearbox size, saving in oil consumption



Main Features:

High performance of 3 over 4 pneumatic drafting units, driven by timing belt for low maintenance and noise reduction.

-50% suction is required as only cleaning of the brush is required.

10 combing heads with +25% production (up to 115 Kg/h) reduces the number of machines required. New piecing of the web with electronic setting

Up to 20% energy saving (KW/kg) on the combing section as in this comber back and forward motion of detaching roller is avoided.

The new simpler drive, which reduces the size of headstock results in higher reliability and lowers maintenance cost thanks to the lesser requirement of oil needed for lubrication. The continuous motion of detaching rollers reduces the torsion stress at a higher speed and helps in adding additional 2 combing heads.

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Camozzi Group – Achievements:

SECO and Camozzi Digital & Mechatronics sign an industrial partnership to accelerate growth in the IIoT market.

The interconnection of manufacturing and logistics systems is destined to completely revolutionize the management and organizational paradigms of the industry and the open structure of the Camozzi Digital - SECO platform is at the center of this revolution and will allow companies from all over the world to play a key role in it.

These apps represent the result of the know-how of Camozzi Group, consolidated in a portfolio of patents by Camozzi Digital, which exploits the Group's unique domain knowledge gained over decades of industrial history, as well as its prestigious collaborations with Italian and international companies, universities, and research centers (among them Berkeley University, IIT of Genova and Politecnico of Milano)



Thanks to the partnership with SECO, Camozzi Digital aims to further strengthen its response to the growing market demand, continuing to design solutions to strengthen its Group and interpret the digital revolution through innovation. CLEA Smart Factory: a platform for the autonomous company - Over 90 ready-to-use apps, algorithms, and smart connectors for the Industrial world developed by Camozzi Digital will be integrated into CLEA, the IoT platform based on AI techniques developed by SECO

For more details, please read [Press Release Camozzi Digital-SECO Partnership](#)