

PRESS RELEASE

CAMOZZI AUTOMATION AT HANOVER FAIR 2019 – Hall 23 - Stand C47

The Camozzi Group is an Italian multinational, established in 1964, leader in the production of components and systems for industrial automation. It also operates in various other sectors, from machine tools to textile machines, to many different procedures of processing raw materials.

Camozzi Automation is a division of the Camozzi group with a product range that includes components, systems and technologies for the Industrial Automation sector, the control of fluids - liquids and gases - and applications dedicated to the Transportation and Health industry.

The international mission of Camozzi Automation is translated into an extensive sales network, spanning the world, through subsidiaries in 25 countries, 50 exclusive distributors and seven production sites located in the main countries. This network is supported by the new distribution hub, located in Italy, that enables to process more than 25.000 order lines a day, processing orders from the main European countries in 24/48 hours.

Camozzi's commitment in innovation can also be found in our collaborations with research centres, like the creation of a joint lab with IIT, the Italian Institute of Technology in Genoa, in the field of new materials and advanced robotics. We can also mention the participation in the iCyPhy program of the Computer Science faculty at Berkeley, the University of California and the recent opening of the Mechatronics Application and Research Center in Brescia that interfaces with research institutes.

The result of these collaborations can be seen at the Hannover Messe, during which a series of smart components will be showcased. More in detail, we mention our pressure regulators, drives and valve islands that, through algorithms relating to predictive diagnostics, are able to communicate their status to the cloud through an IIoT Gateway.

Series D is the new valve island equipped with a technology that enables to monitor and predict the status of wear or efficiency of some parts of the single solenoid valves. Through this monitoring and predictive diagnostics system, it is for example possible to view its power consumption and possible overheating of the coil. The collected data, the alarms and health status can be transmitted by wire to a PLC or through WLAN to an IIoT Gateway in order to be subsequently transmitted to the Cloud. The Series D is compact and suitable to be used in applications with limited installation space without compromising its flow. Available in the sizes 10 mm and 25 mm, this product covers the needs of all industrial applications.

Regarding the range of proportional products, our new PRE pressure regulator with PREDICT technology will be showcased. This new patented technology is able to monitor the functioning of essential parts of

the component and prevent possible malfunctions. All data coming from the regulator can be transmitted wireless to the cloud, aggregated and used in order to view the operational efficiency of the component by means of a dashboard. The Series PRE is available in two sizes and in different configurations, among which IO-Link connectivity. Besides the standard options with and without display, there is a version with an integrated exhaust valve, that enables to exhaust the system even without power supply. The Manifold version enables to control several outlets with only one inlet, while the version with external sensor connection is available in applications with the need to monitor the pressure of aggressive gases or liquids.

Another important novelty is the Series 23 mini-cylinder ISO 6432 with self-cushioning. This patented technological solution enables to optimally cushion different loads, thus reducing both setup times of the machine and their reconfiguration.

The Series 23 cylinder, thanks to a patented system, automatically adjusts the cushioning in order to always obtain the best deceleration. During the entire cushioning phase, the cylinder's movement results smooth, without any jolts, reducing vibrations and noise, while guaranteeing a higher reliability. As manual adjustments are not required, setting times are reduced and the cylinder is tamper proof. Moreover, the cylinders are suitable for numerous industrial applications, especially where work conditions may vary over time, because of changes in dimensions or due to wear of the machine's mechanism.

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