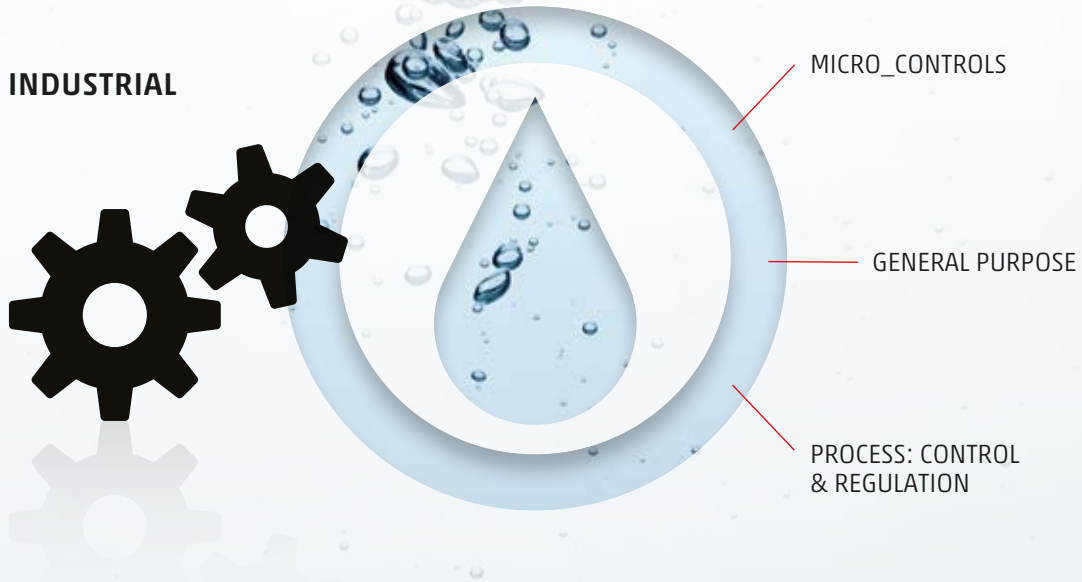


**FLUID CONTROL
SOLUTIONS FOR INDUSTRIAL
AUTOMATION**



FLUID CONTROL COMPONENTS AND SYSTEMS FOR INDUSTRIAL APPLICATIONS

INDUSTRIAL



As well as pneumatic and electric components for automation, Camozzi also invests in fluid control technologies.

The Fluid Control department has been created to respond to the needs of an ever more complex and innovative market in both the industrial and life science sectors.

The MARC (Mechatronic Application Research Center) combines experience in the design and mechanical processing of components for the fluid power sector, with electronic and digital expertise in the selection and machining of both metallic and polymeric materials, with expertise in the most advanced technologies. This makes Camozzi the ideal partner to develop high added value solutions, while its network of subsidiaries and distributors serving more than 70 countries guarantees support and assistance in every part of the world.

TOTAL QUALITY OF PRODUCTS AND PROCESSES

For more than 50 years, Camozzi has developed products and processes based on the principles of Total Quality.

In order to guarantee the best quality in all production phases, Camozzi has created controlled atmosphere environments and an ISO 7 cleanroom for the assembly of products and solutions that require extreme cleanliness and the elimination of all organic and/or inorganic contaminants.

Ultrasonic cleaning and inspection equipment that makes use of UV blacklighting enables us to supply components that can be used with aggressive liquids as well as highly flammable gases like oxygen.



.....
Focus on maximising customer benefits
.....

Total Quality Management
.....

Lean manufacturing philosophy
.....



APPLICATION SECTORS

Micro controls



Camozzi's miniaturised components for fluid control, characterised by low power consumption, reduced weight, compact dimensions and an ergonomic design, meet the needs of numerous sectors of industry.

- Integrated automation
- Handling
- Micro-dosing
- Dispensation
- Mobile electronics
- Printers
- Coating applicators
- Semiconductors
- Laser devices
- Aerospace

General purpose



The integration of fluid-dynamic components, valves and solenoid valves that manage liquid and gaseous fluids, with components for pneumatic automation is essential in industrial applications that require innovative technologies and components.

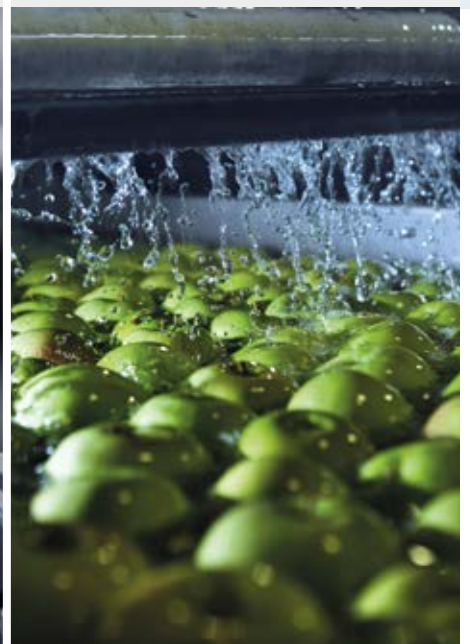
- Air treatment
- Cleaning machines and equipment
- Sterilisation
- Textiles
- Packaging and printing
- Moulding
- Automotive
- Food & beverage
- Renewable energy
- Machine tools
- Waste and paint processes
- Air-conditioning, heating and cooling
- Humidification

Process: control and regulation



For toxic or aggressive fluids and speed-based applications, the choice of the component is often determined by factors like safety, pollution control, durability of machines, instruments and industrial plants.

- Water and wastewater treatment
- Water supply facilities
- Food processing
- Pharmaceutical industries
- Sanitary appliances
- Biogas and fuel cells
- Chemical and petrochemical equipment
- Water purification and osmosis
- Filling and PET processes



INTEGRATED TECHNOLOGIES FOR A BROAD RANGE OF CUSTOMISED SOLUTIONS

Camozzi has broad experience in the development of a range of customised solutions for the control of liquid and gaseous fluids. These solutions combine modern and functional design with high performance to produce miniaturised solenoid valves and other components as well as PWM (pulse width modulation) and PCM (pulse code modulation) controls, separating diaphragms for controlling aggressive fluids, latch systems and systems with integrated sensors that control pressure, flow and position.



MINIATURISATION









PROPORTIONAL TECHNOLOGY



MEDIA ISOLATION AND GENERAL PURPOSE



-  • HIGH SPEED
-  • HIGH FLOW
-  • HIGH PRESSURE
-  • VACUUM
-  • HIGH PRECISION AND REPEATABILITY
-  • PWM SYSTEMS



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Automation

