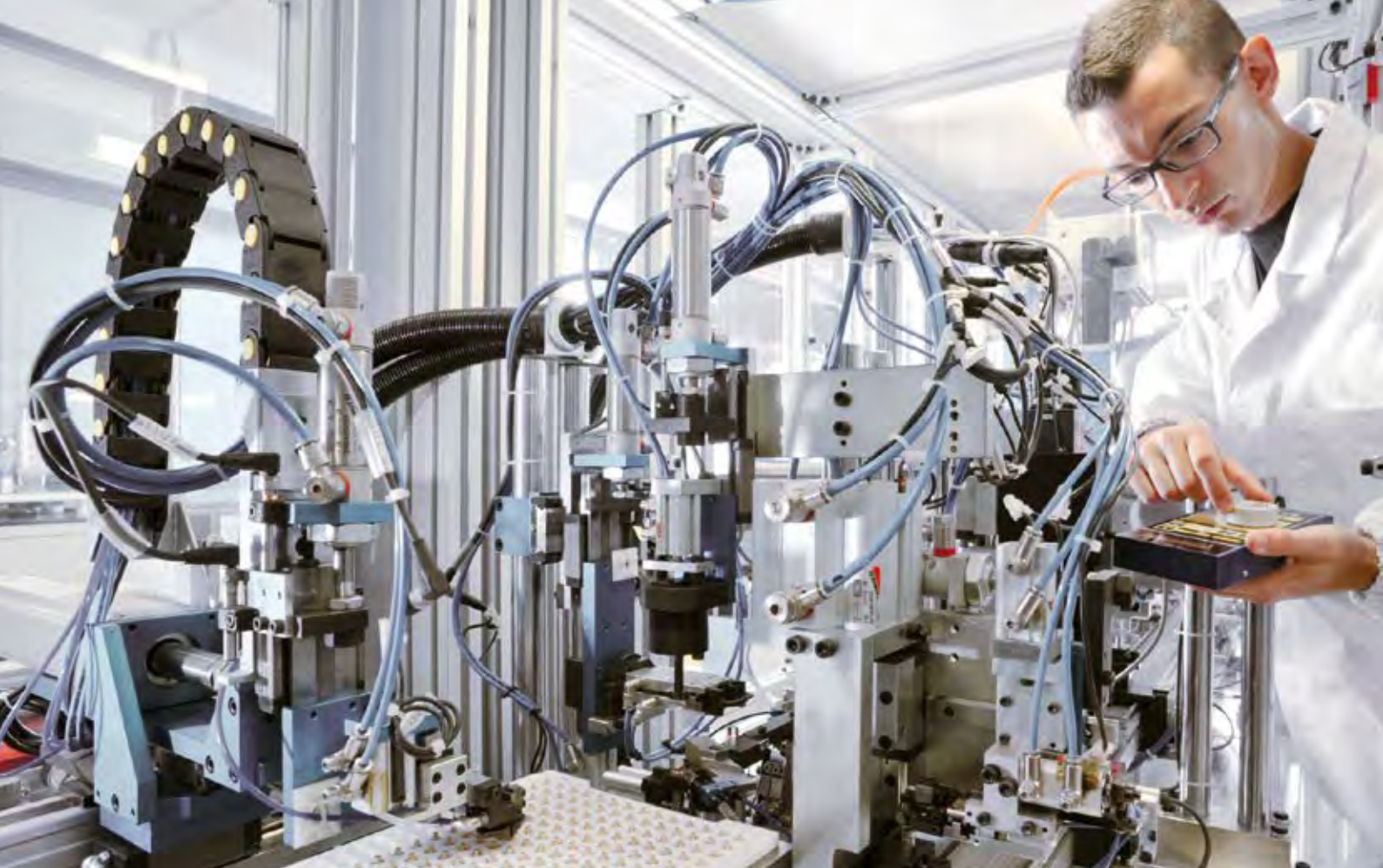




Camozzi Automation Overview

Maximising the benefits of pneumatic automation





WELCOME TO THE WORLD OF CAMOZZI AUTOMATION

Global vision, local service and a commitment to excellence

Camozzi Automation is one of the world's leading suppliers of advanced pneumatic components and systems with representation in over 70 countries spanning the world. In such a competitive market we recognize the need to be different, so we have stood out from the crowd for in excess of 50 years by offering only the highest quality products which are supported by a full range of services. The goal of Camozzi is to distinguish itself as a true partner for their clients and to develop integrated solutions giving high added value to their business. Thanks to the Camozzi Innovation System, the production and management processes are dealt with according to the Total Quality Management Philosophy including the Lean Production principles that are applied to every production facility worldwide.



.....
WORLDWIDE INFRASTRUCTURE
AND SUPPORT SERVICES
.....

.....
TOTAL QUALITY MANAGEMENT
.....

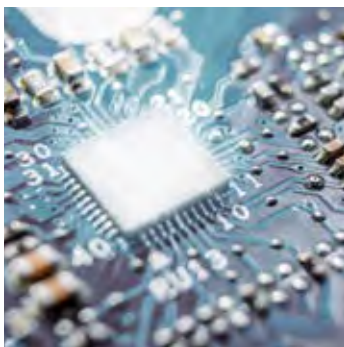
.....
LEAN PRODUCTION SYSTEM
.....

SPECIAL SOLUTIONS FOR AUTOMATION

Our products arise
out of our awareness
of differences

Pneumatic automation has an important role to play in every sector of industry. But every sector has its own absolutely unique features and needs that are different enough to require specially targeted skills. This is why Camozzi has Business Development people in every sector whose know-how goes beyond the strictly commercial sphere to include specific

technical skills, offering a mixture of know-how that allows them to help people make the best choices, coming up with customised solutions which are efficient and save on costs. Every one of our customers is different, that's why a deeper understanding of their requirements is essential for us.



INNOVATION, COMPETENCE AND PASSION

A commitment to excellence



In the global economy companies must enhance their capability to develop technology thereby enabling them to continuously create additional customer value. For producers of automation components this means making further advancements in mechatronics, electronics and fluid power solutions as demand for such technologies is anticipated to grow over future decades. At Camozzi we firmly believe that the innovative process is most effective when applied on a continuous basis in collaboration with research, training, organizational and technological development, and the attainment of these goals should not distract from the environment, workplace safety, human resources development and social commitment.

FOCUS ON MAXIMISING
CUSTOMER BENEFITS

CONSTANT COMMITMENT
TO IMPROVING PERFORMANCE

REDUCTION
OF ENVIRONMENTAL IMPACT



MOTION & CONTROL

Automation integrated with communication systems for constant - even remote - performance control. Complete mechatronic systems that include interconnected diagnostic sensors and components, capable of fulfilling the potential of the industry's main communication protocols.



SMART AUTOMATION

SMART solutions that can be integrated into complex machinery and systems allowing components to interface and dialogue with each other in order to transmit, receive and reprocess information.



MINIATURIZATION

Miniaturized solutions, in which the reduction of dimensions enables the combining of functions into more compact systems and provide convenient on-board accessibility. Miniaturization of components encompasses all solutions, in particular, the pilots for solenoid valves.



ENERGY SAVING

Energy saving systems that combine the reliability and robustness of mechanical components, the precision of integrated electronics, the quality of materials and the study of design, all while eliminating waste and inefficiencies.

C_Fluid Control



The C_Fluid control department, designing flow control solutions, was born from the experience and innovation of Camozzi. The control and regulation of fluids, both in liquid and gaseous forms, requires increasingly sophisticated and technically advanced components as the applications become more and more demanding.



INDUSTRIAL SOLUTIONS

- Micro_controls
- General purpose
- Process: control & regulation



LIFE SCIENCE SOLUTIONS

- Biotechnology
- Medical device



C_Solutions



We design and produce fully integrated systems to meet your exact pneumatic automation requirements. Our Mission is to provide complete SOLUTIONS for pneumatic movement, designed and realized to satisfy the needs of each single customer, focusing on innovation, operative efficiency and total quality. Camozzi's experienced technicians allow us to offer special solutions:

PRE-ASSEMBLED KITS

- Highly reliable solutions, ready to perform

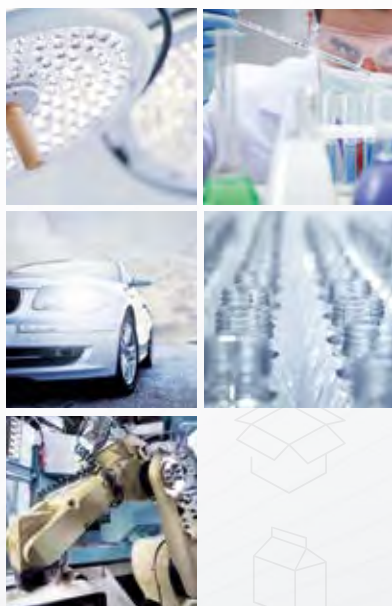
SPECIAL PRODUCTS

- Compact integrated customized Technical Solutions

CONTROL CABINETS AND SYSTEMS

- Quality of components, the Strength of the System





Camozzi, your best multi-technological choice



INDUSTRIAL



FLUID CONTROL



MOBILE AUTOMATION

- › PACKAGING
- › FOOD & BEVERAGE
- › PLASTICS & RUBBER
- › LIFE SCIENCE
- › AUTOMOTIVE
- › ELECTRONIC SYSTEMS
- › TEXTILE MACHINERY
- › ASSEMBLY & ROBOTICS
- › PRINTING & PAPER
- › WOODWORKING MACHINERY

MOVEMENT

Flexibility and precision

SERIES 61 - 63 CYLINDERS

Aluminium profile

ISO 15552

Single-acting and double-acting,
magnetic, cushioned, low friction,
standard, low temperatures

SERIES 6PF POSITIONING

FEEDBACK

ISO 15552

Double-acting, magnetic, low friction

SERIES 32 COMPACT CYLINDERS

ISO 21287

Single-acting and double-acting,
non-rotating, magnetic



Camozzi offers a complete range of actuators that includes minicylinders and ISO profile cylinders which are compact, stainless, guided, rodless, rotary, integrated with position transducer and products for handling.

The entire range is completed with accessories for fixing, sensors, guides, brakes, rodlocks, shock absorbers and all that can optimize its use in a pneumatic circuit.



*Minicylinders, single and double-acting
CETOP RP52P DIN/ISO 6432*



*Compact cylinders single
and double-acting*



Grippers



*Guided cylinders, double-acting, magnetic piston,
with double bearings and flanges*



Rotary cylinders



*Rodless cylinders double-acting,
magnetic, cushioned*

CONTROL

Innovative technology

SERIES F MULTIPOLE AND FIELDBUS VALVE ISLANDS

Multipole integrated electrical connection (PNP)

SERIES CX MULTI-SERIAL MODULE

Interface with PROFIBUS, CANopen, DeviceNet, PROFINET, EtherCAT, EtherNet/IP

SERIES K8 DIRECTLY-OPERATED SOLENOID VALVES (8mm) - SERIES K8B PILOT-OPERATED SOLENOID VALVES

2/2-way, 3/2-way, NC and NO
K8B equipped with a flow amplifier



Control elements represent the core of a pneumatic circuit in which precision and reliability can make the difference. Camozzi guarantees the best quality and efficiency thanks to pneumatic valves, solenoid valves and valve islands which are available in different sizes and

with different flows to meet the needs of every sector. For applications that require accuracy, a quick response and optimization of control, a series of products have been developed with proportional technology for pressure, position and flow control.

TREATMENT

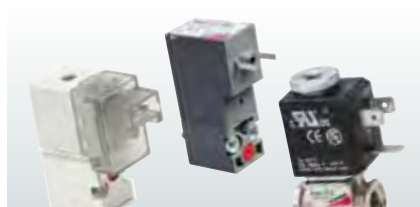
Reliability and high performance

SERIES MD, MX, MC ASSEMBLED FRL

A range of modular, compact and light components with high flexible connection possibilities and ports from G1/8 to G1



Often the efficiency of a pneumatic system depends on the air composition that enables the movement. It is therefore essential to use modular FRL units, that include filters with different filtering levels,



Directly operated solenoid valves



*Valves and solenoid valves
For individual or manifold assembly*



Filters-regulators and lubricators



*Valve islands and individual Fieldbus modules
Individual, Multipole, Fieldbus versions*



Mechanical / Manual valves



Pressure regulators



Valves and solenoid valves Namur



*Proportional valves,
servo valves and proportional regulators*



Filters and lubricators



with activated carbon, coalescing filters, regulators, lubricators, interception valves and soft start valves, derivation modules that Camozzi can provide in pre-assembled groups and together with accessories.



Lockable isolation valves, soft start valves and take off blocks



Pressure microregulators



Pressure gauges and accessories

CONNECTION AND VACUUM

Experience and quality

TECHNOPOLYMER FITTINGS

STAINLESS STEEL FITTINGS

BRASS FITTINGS



The standard range includes rapid, super rapid and universal fittings together with accessories and quick-release couplings made in brass, technopolymer and stainless steel.

Camozzi's product portfolio is completed with vacuum components, ideal where automated movement requires quality products, able to guarantee a perfect tightening over time.



Dual seal super-rapid fittings



Micro super-rapid fittings



Rapid push-in fittings for plastic tubes



Pipe fittings



Quick-release couplings



Vacuum components

ELECTRICS

Technologies to serve our customers

SERIES 6E ELECTROMECHANICAL CYLINDERS ISO 15552

Multi-position system with
transmission of the movement by means
of a recirculating ball screw

SERIES 5E ELECTROMECHANICAL AXIS

Multi-position system with
transmission of the movement
with toothed belt

SERIES DRWB, DRWS, DRCS DRIVERS

Range of drives for the control of electric actuation

SERIES MTB, MTS MOTORS

Range of Brushless motors and Stepper motors

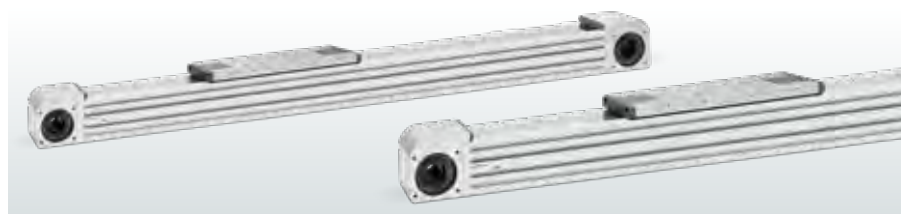


CONFIGURATION SOFTWARE

Camozzi has developed a software
so that every user, with no specific
skill in electronics, can create
a program to position or control
an axis or an electric cylinder.
Once configured, it is possible
to program up to 64 command
lines, each of them defining an
absolute, relative, or force position.
All the other functions can be
reached easily and promptly.

At Camozzi we are well aware
that every application in the industrial
automation sector has different
and very specific requirements.
In order to be able to satisfy all clients,
we have expanded our technological
offerings by creating C_Electrics,

the new department that is dedicated
to the development of electric
actuation, proposing solutions that
include electromechnical cylinders
and axes with auxiliary motors and
accessory components, combined
in configurable systems.



Electromechnical axis



Electromechnical cylinders ISO 15552



Motors for electric actuation



Drives for the control of electric actuation





THE WORLDWIDE PRESENCE OF CAMOZZI AUTOMATION

To respond and act quickly

To understand markets and the small but important differences between them, a company cannot only rely on the essential digital tools we all use every day, but it needs to be locally present, face to face, able to look into people's eyes and speak their language. This is why Camozzi now has an international network, based in Italy, but present on every continent.

.....
PRESENCE ON EVERY CONTINENT

.....
24 SUBSIDIARIES

.....
54 EXCLUSIVE DISTRIBUTORS

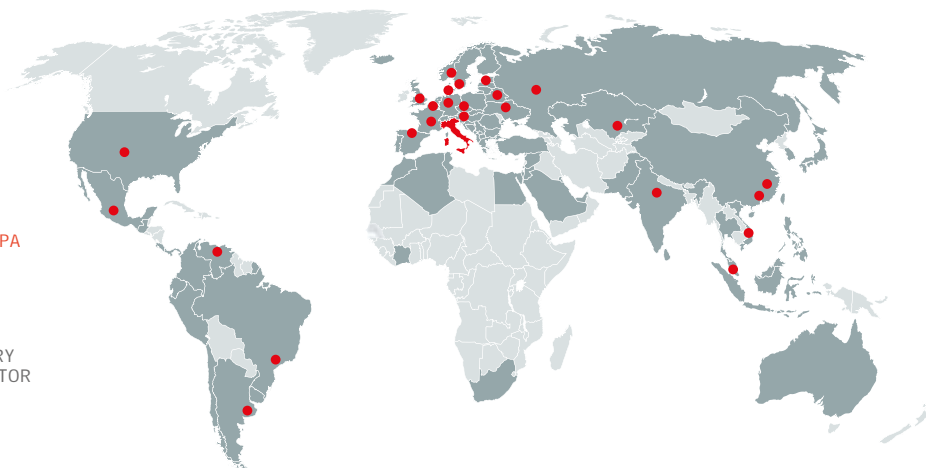
.....
6 PRODUCTION FACILITIES

.....
1700 EMPLOYEES

 HEADQUARTERS OF
CAMOZZI AUTOMATION SPA

 SUBSIDIARIES

 PRESENCE OF SUBSIDIARY
OR EXCLUSIVE DISTRIBUTOR



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