

OVERVIEW



ELECTRIC ACTUATION





ELECTRIC ACTUATION THE ULTIMATE IN FLEXIBILITY AND EFFICIENCY

Modern industrial processes require ever increasing levels of automation, where electric actuation plays a **key role** in improving **efficiency and machine productivity** as well as reducing set-up and maintenance times.

The increasing demand for customised products and the need to **rapidly pass** from one product to another, led to the **implementation of electric actuation solutions in many industrial systems**.

Cylinders and electromechanical axes, with their motors and drives, guarantee flexible solutions that can be quickly reconfigured, ensuring **accurate motion control and reduced power consumption**.

Generally, electric actuation products are designed to **adapt to any application or environment**, from food processing to packaging and labelling, to material handling and processing, and beyond to **specific applications** in the machine tools and the automotive sectors.

Created for any application



SECTORS

• PACKAGING

• FOOD & BEVERAGE

• ASSEMBLY & ROBOTICS

• LIFE SCIENCE

• TRANSPORTATION

• AUTOMOTIVE

TECHNOLOGY AND INNOVATION COMBINED FOR INDUSTRIAL APPLICATIONS

Every application in the industrial automation sector has **different and very specific requirements**. As a result, Camozzi Automation has created a team of experts focused on the development of innovative solutions for electric actuation, producing electromechanical cylinders and axes with auxiliary motors and various accessory components. Their **modular designs** can be combined to create

multi-axis solutions with different transmission technologies that guarantee **maximum flexibility and adaptability for the customer**.

We assist customers in selecting the best technical solutions to adopt and support them with installation and commissioning of their electromechanical system, providing them with a **trusted technology partner** whatever their application.





FLEXIBILITY AND PRECISION



Electromechanical cylinders ISO 15552 Series 6E

Multi-position system with
motion transmission by means
of a recirculating ball screw
Sizes 32, 40, 50, 63, 80, 100 mm

Compact electromechanical cylinders Series 3E

Multi-position system with
motion transmission by means
of a recirculating ball screw
Sizes 20, 32 mm



Electromechanical axis Series 5E

Multi-position system
with integrated recirculating
ball bearing guide and
transmission via a toothed
belt or via ball screw
Sizes 50, 65, 80 mm



Electromechanical axis Series 5V

Vertical, multi-position system
with motion transmission
by means of toothed belt
Sizes 50, 65, 80 mm





RELIABILITY AND HIGH PERFORMANCE



Integrated field-oriented control drive Series DRVI

Integrated motor drive designed to control various types of motors, both stepper and brushless, Nema 23 and 24, using a closed-loop control algorithm (FOC)



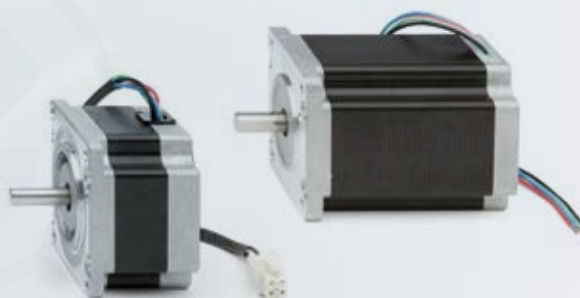
Drives for stepper motors Series DRCS

One-size, full digital drives with integrated Bluetooth and NFC technology



Brushless motors Series MTS

With Nema 23, 24 or 34 fixing flange
Protection class IP65



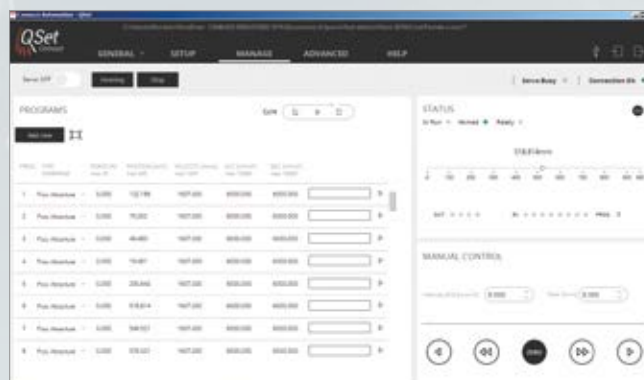
Configuration software

INTUITIVE AND EFFICIENT

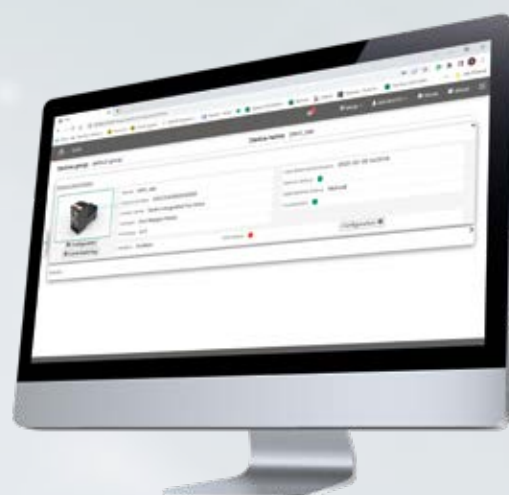


Camozzi has developed easy and intuitive software so that even users with no specific skills in electronics, can create programs to **position or control an axis or an electric cylinder**.

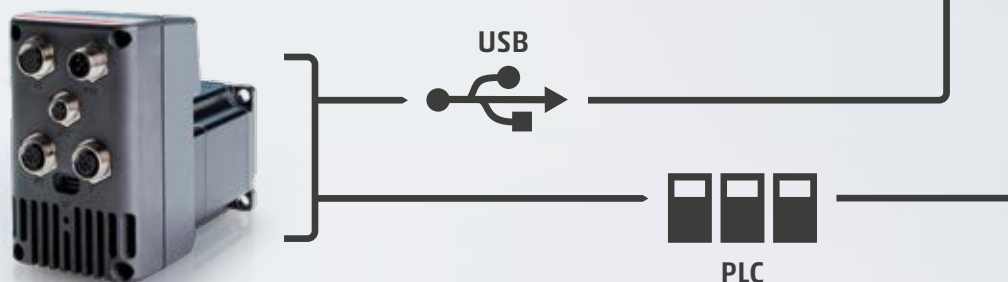
Once configured, it is possible to program **up to 64 command lines**, each of them defining **the type of movement to be performed can be determined**.



Camozzi has developed UVIX, a free software that offers an intuitive interface to **configure and manage the motor parameters easily**. The aim of UVIX is to meet the user's specific needs through **quick and easy configuration via USB connection or directly through the PLC**. This software is not just a simple tool for setting parameters but can **monitor several variables** and identify errors, ensuring **constant and precise control of the system**.



UVIX



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