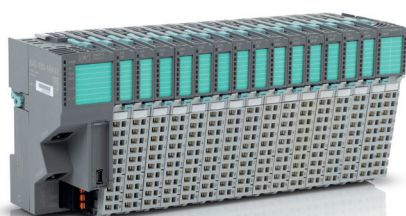
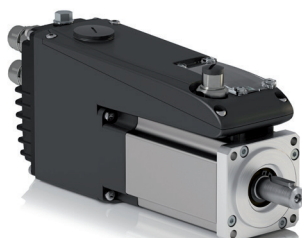


Producing tailor made solutions for motion control 4.0

CMZ Sistemi Elettronici Srl is a leading Italian producer of solutions for motion control since 1976. The focus of the company is to serve the market with **hardware** and **software** items (Controllers, Drives, Brushless and Stepless motors, integrated motors and drives, libraries, apps...) to build up a whole **tailor made system for the motion of automated machines**. The key strength of the company is the deep knowledge of many applications (packaging, bottling, dosing, flying shear, printing, cutting...) through which CMZ is able to customize, with its devices, solutions around the world in an open frame mentality. Following this philosophy, we are developing continuous new solutions for our customers.



FCT640
modular master controller PLC
+ motion control



IBD
integrated brushless drive with electronics
fully developed by CMZ



PT2
HMI here with CMZ library configured

Cutting-edge HW and SW solutions

One of the main products, used on automated packaging machines, is the integrated brushless and drive **IBD**: suitable to manage from one to multi axis systems as a stand-alone solution. Besides EtherCAT and CANopen field bus, CMZ is coming soon in the market with PROF-

INET version to enlarge the open frame communication. Daisy chain connection sounds as an attractive solution for on field axis running, enabling to join more devices together in the same DC bus. The IBD family is ranging from 1,22 Nm (0,34 kW) on flange 60 up to 30 Nm (9,2

kW) on flange 190. Power supply from 270 to 740 Vdc (560 Vdc Nominal) could be served through our BDPOW unit. CMZ is able to serve also the motion controller, thanks to the new **FCT640** managing up to 99 axis thanks to the dual core 64 bit 1.0 GHz CPU. This device is supported with a SD card through which the operator can load simply the

software settings also after the cabinet installation. The FCT640 is a modular device that can add on the same stack I/O depending on the application needs. We are currently developing the **OPC-UA** gate to upper level systems. The door to the connectivity for CMZ is not limited on the communication protocol between the devices, on the contrary it is opening to the human interaction. In fact we have developed **wireless Bluetooth 3.0 connection** to debug and diagnostic the

devices without wiring any system. All these developments are coming from CMZ attention to **Industry 4.0** needed by the machine producers. We support customers on designing the system to be in line with this automation trend. Our team is daily in touch with those are realizing new applications on-field and, thanks to that, we are able to transfer their needs on our product development. An example of this passage, from technology users to products, is the

dedicated **libraries** that CMZ has been and always keeps realizing for different applications. These make available a **pre-shaped machine configuration** by which the customer, through an HMI, can easily settle up a machine without writing any dedicated software. The **HMI new range PT2** starts from 4.3" up to 15" and is the simple window for the operator to the machine overview.

The master way to automation 4.0

Connectivity, user friendly, pre-configurability, easy to use, open network are common words we are using for our solutions. As the next industrial

automation generation is setting up on a wider connection, CMZ welcomes those worldwide who would like to join us on this challenge. We strongly believe

in creating partnership with our customer as the master way to find solutions rather than only supply devices.



**We are expanding
our sales network
worldwide**

Be our new Automation Partner
contact marketing@cmz.it

Contact us for your new project
in motion control.
Be our new Automation Partner.
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