SBD

Brushless
drives
stand alone

• BRUSHLESS DRIVE 230 VAC & 400 VAC

with **CANopen & EtherCAT** interface dedicated to the FCT series motion controller

Power supply
230 Vac single phase 50/60Hz
400 Vac three phase 50/60Hz
Control supply
24 Vdc
Rated current
230 Vac: 5 Arms - 8,5 Arms
400 Vac: 5 Arms - 10 Arms - 20 Arms
Peak current
230 Vac: 10 Arms - 17 Arms
400 Vac: 10 Arms - 20 Arms - 40 Arms
Rated power
230 Vac: 0,7 kW - 1,1 kW
400 Vac: 2 kW - 3,5 kW - 7 kW
Interface
CANopen DS402, EtherCAT, PROFINET,
Pulse/direction internal programmability
Feedback
Resolver, TTL incremental encoder, TTL incremental encoder + HES, Hiperface absolute encoder single and multiturn
1 Analog input
+-10V
1 Analog output
0-10V
7 digital inputs
24V PNP (2 with touch probe functionality)
3 Digital outputs
24V PNP 200 mA
1 auxiliary encoder input
encoder input TTL
Braking resistor
Integrated Connection for external breaking resistor
Hardware Disable Input
2 channels
Thermal sensor
PT1000, KTY84-130, PTC switch
Integrated EMC filter
Braking motor output
DC Bus connection
Micro-usb port
Servo performances
PWM frequency = 5/10 kHz
Current loop BW = up to 1 kHz
Motion loop BW = up to 100 Hz
Current measurement resolution = 12 bit
Functionalities
Internal IEC programmability (CMZ)
Configuration and tuning: SDSetUp via micro USB
Configurable I/Os functionality
Certifications
CE
UL soon available

MINI PLC

SMART DRIVE

SBD-L SBD-M

• OVERALL DIMENSIONS

SIZE M		SIZE L
230 Vac	400 Vac	400 Vac
Rated current		
5 A 8,5 A		10 A 20 A
H 178,3 x W 83,6 x L 189,2 mm		H 270 x W 105 x L 232 mm
WEIGHT		
1,8 Kg		4,8 Kg

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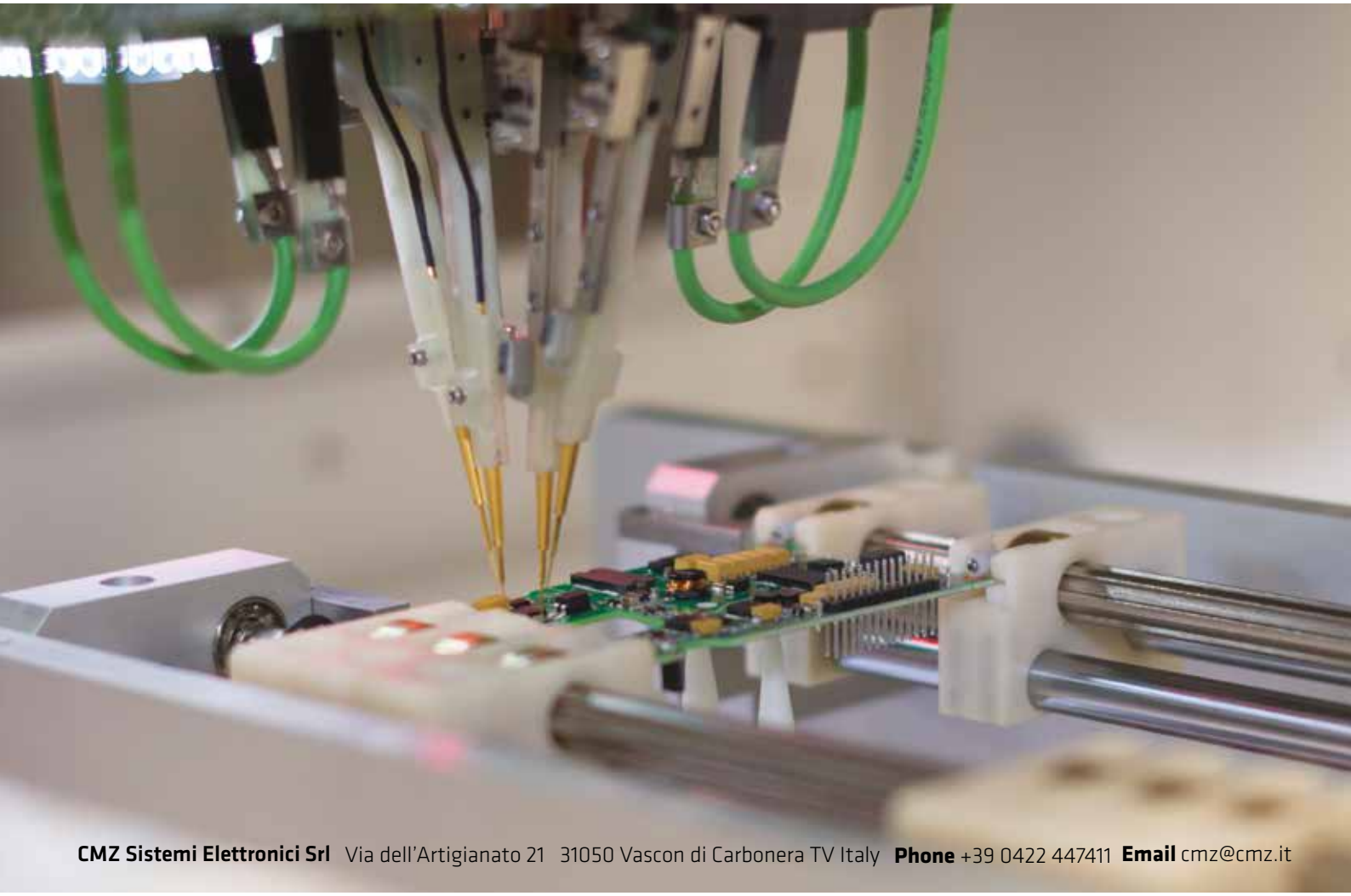
SINCE 1976

CMZ engineers and manufactures electronic systems for industrial motion control.
The company targets to OEMs and systems integrators for the co-development of automatic machines featuring a deep level of customization in multi axis motion. The result: high performing machines with unique, special features.
Established in 1976 focusing on controllers, today CMZ offers a complete portfolio of solutions including the systems design, the electronics programming, the development of ready-to-use application libraries and ad-hoc softwares, alongside a wide selection of master controllers IEC61131 up to 99 axis, integrated and stand-alone drives, brushless and stepper motors up to 120 Nm strictly compact and Made in Italy, peripherals and I/O modules both digital and analogic, integrated vision systems based on machine learning technology, HMI operator panels.
CMZ's high technological and safety standing is based on its team of 70 technicians and engineers. The systems realized to date in its plant count over 125,000 units.
CMZ is part of SOGA ENERGY TEAM industrial group operating in power generation, motion and control since 1966.

CMZ sviluppa e realizza sistemi elettronici e soluzioni per il motion control industriale.
L'azienda si rivolge a OEMs e system integrators per la co-progettazione di macchine automatiche dotate di funzionalità personalizzate e speciali nella movimentazione degli assi. Il risultato: macchine ad alta performance e dalle caratteristiche uniche.
Fondata nel 1976 con focus sui controllori, oggi CMZ offre un portfolio integrale di soluzioni che include la progettazione dei sistemi, la programmazione dell'elettronica, lo sviluppo di librerie applicative ready-to-use e pacchetti software ad-hoc, affiancati a un'ampia scelta di controllori IEC 61131 programmabili fino a 99 assi, azionamenti integrati e stand-alone, motori brushless e passo-passo fino a 120 Nm rigorosamente compatti e Made in Italy, periferiche e moduli I/O digitali e analogici, sistemi di visione integrata con tecnologia machine learning, pannelli operatore HMI.
L'elevato standing tecnologico e di sicurezza di CMZ si basa su un team di 70 tecnici e ingegneri. I sistemi realizzati fino ad oggi nel sito produttivo dell'azienda sono oltre 125.000. CMZ fa parte del gruppo industriale SOGA ENERGY TEAM, attivo dal 1966 a livello internazionale nei settori power generation, motion e control.



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