

MODULA maxi ^{EN}

X-Series



CAMPETELLA

Side entry Robot MODULA maxi X-Series evo

 *Campetella,
the right way
to save energy.*

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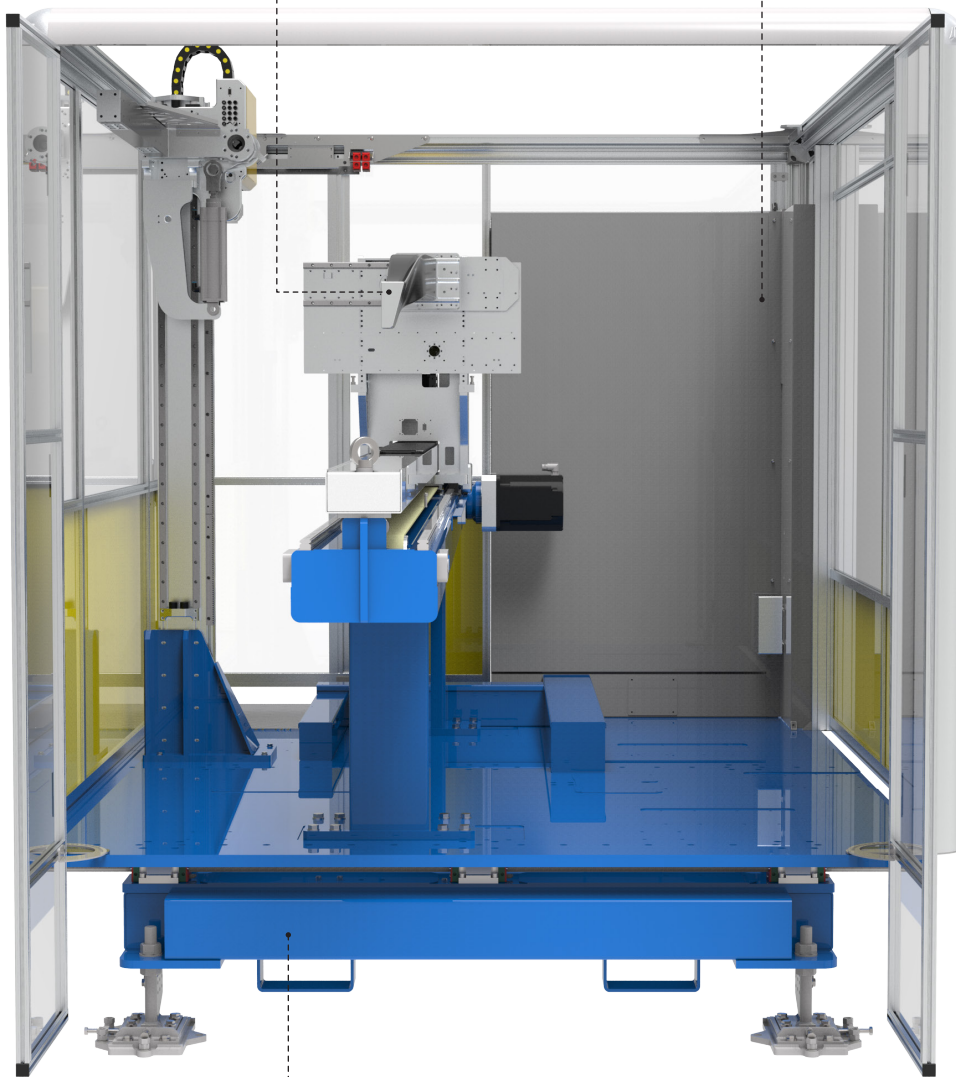
MODULA maxi X-Series evo

The majestic, sturdy and quick side-entry

The bigger brother of Modula X-Series, the Maxi model increases travels and ranges, all the while maintaining its unmistakable calling for maximum performances. Designed to support high payloads with reduced cycle times, it is amazing in action due to the powerful accelerations provided to the heaviest and most voluminous parts.

Carbon fiber arm with twisted profile

Electrical panel on board



Sturdy base for resting on floor



Console EVO

Light and ergonomic, with a 7" TFT 800x480 wide range touch screen and a membrane keyboard, it allows to program and manage all the robot functions in a simple and intuitive way.

Through a simple wizard, it quickly guides the user through the creation of IMM unloading cycles with palletizing functions.

In order to encourage more complex work cycles, we use a powerful editor, which allows to access all the available functions.

The EVO software offline version is also available to be installed on a PC in order to permit the offline programming and the remote connection to the robot.

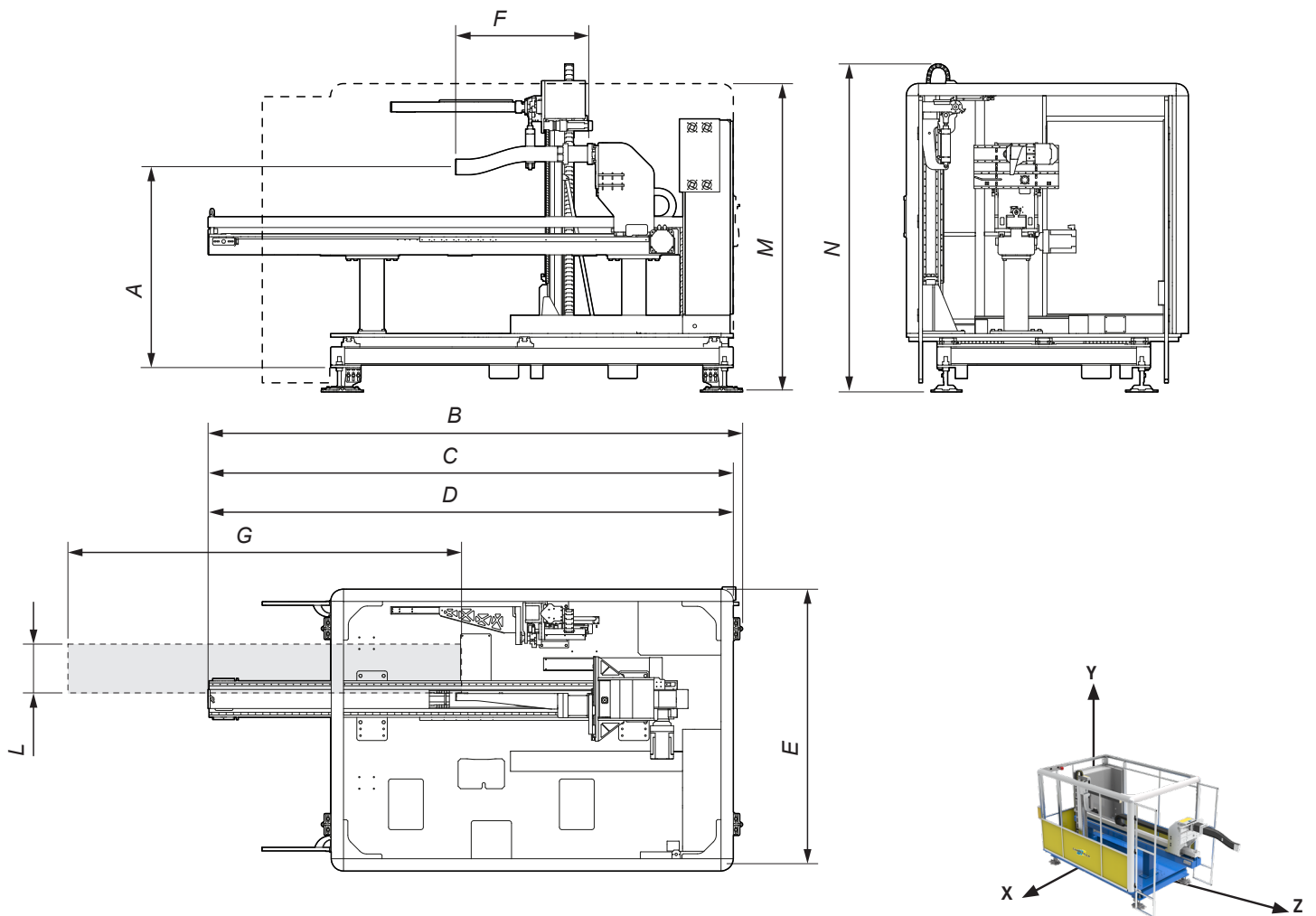
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Technical specifications:

Maximum payload [kg]:	25
Strokes of main axes:	
1 - Z Axis - transversal [mm]:	3225
2 - X Axis - extraction arm [mm]:	400
3 - Y Axis - additional extraction arm [mm]*:	400
4 - Unloading axis - transversal [mm]:	1240
Axis movement:	AC synchronous brushless servo motors
Axes guidance system:	Self-lubricating sliding blocks with roll-by balls on carbon steel prismatic guides
Positioning repeatability [mm]:	± 0,1
Pneumatic unloading axis rotation [deg]:	0°/90°
Control unit:	Competella EVO proprietary system
Minimum cycle time with maximum load [s]:	5
Electrical power supply:	400-480 VAC • 50-60Hz • 3P+T
Installed electrical power [kVA]:	19,8
Pneumatic power supply [bar]:	6
Approximate weight [kg]:	4000

* linked to the additional extraction arm (optional) - see equipment list



Model	A	B	C	D	E	F	G	L	M	N
MODULA Maxi	1845	4380	4330	3300	2250	1110	3225	400	2690	2530

The drawings refer to a robot MODULA 1

Machine data may be subject to change without prior notice from the manufacturer and this in order to improve its performance.

EOA interface and axes

High-rigidity carbon fibre extraction arm	●
Additional high-rigidity carbon fibre extraction arm	○
Mechanical fixing interface for gripping system on extraction arm	●
Stamped products unloading axis (linear shifting with servo motor + pneumatic rotation)	●
Mechanical fixing interface for gripping system on stamped products unloading axis	●
Offset axis - horizontal shifting of base with electric motor - stroke +/- 250 mm	○

Pneumatics**Central carriage unit**

First and second vacuum line with release blows	●
First pressure circuit for mechanical gripper	●
Additional vacuum circuits with release blows (n.2 max) (2)	○
Additional pressure circuits for mechanical gripper (n.3 max) (2)	○

Unloading axis unit

First pressure circuit for mechanical gripper	●
Additional vacuum circuits with release blows	●
Additional vacuum circuits with release blows (n.1 max)	○

(2) Up to a maximum of 6 pneumatic lines total

Electronics and Software

Euromap 67 interface	●
Ethernet interface	●
USB interface	●
Socket for digital signals on the wrist: 5 (Programmable Input/Output) + 2(Input)	●
Socket for user safety signals	-
Socket for conveyor belt signals: 1 (Input) + 2 (Output) + 1 (Relais Output)	●
Socket for digital signals: 4 (Input) + 3 (Output relay)	●
Proximity sensor (intermediate mechanical cam) for transversal axis	●
Industry 4.0 kit (ethernet router + software)	○
Board kit I/O external 16I + 16O with 8mt cable	○
Electrical panel on board	●
Electrical cabinet on the ground	-
Ground cabinet air conditioning	○
PLC software integrated into the CNC	●
Off-line programming software	○
Safety guards with electrical system and Euromap 73 interface:	●

Accessories**IMM connecting cable:**

For Euromap 67 interface, available lengths [m]: 10 (●) 12 (○) 14 (○)

For JIS interface, available lengths [m]: 10 (○)

Pushbutton remote control panel for basic functions (○)**EVO console cable winder (○)**

● Standard ○ Optional - Not available