

SPIN2^{EN}

X-Series



CAMPETELLA

Scara Robot SPIN2 X-Series evo

125
Years

our history, our strength

 **Campetella,**
the right way
to save energy.

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Xseries
EVO

SPIN2 X-Series evo

The revolutionary SCARA with superior dexterity

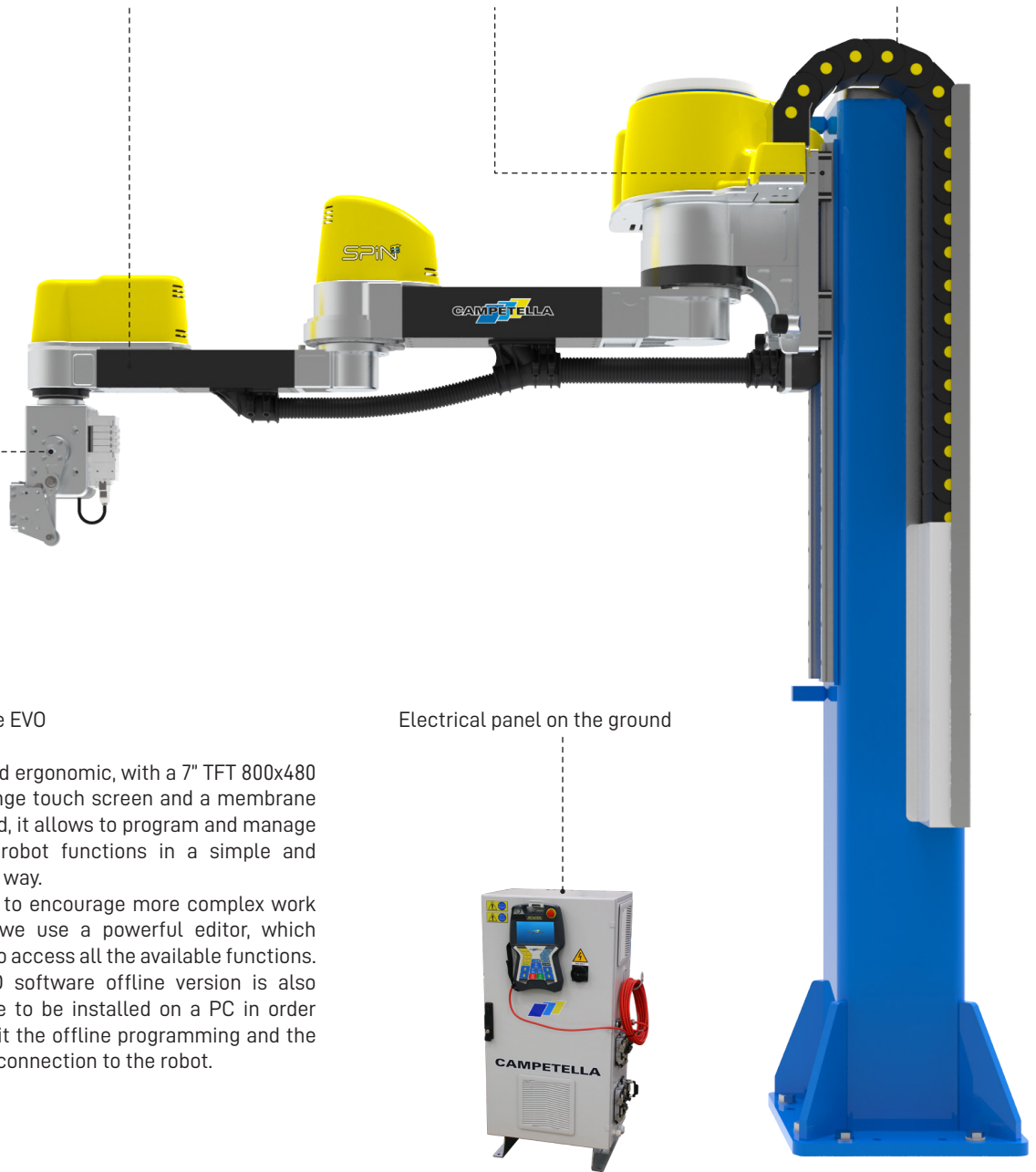
The Spin 2 X-Series is a new way to conceive and employ the SCARA. High vertical run, long carbon fibre arms and built-in wrist are the ingredients of a new architecture. Designed to ensure wide working spaces, with heights only achieved by six-axle robots with an often oversized payload.

Carbon technology

Self-lubricating sliding blocks with roll-by balls on carbon steel prismatic guides

Vertical axis pneumatic balancing

Pneumatic C-axis
Maximum Payload 10Kg



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.

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.

Electrical panel on the ground



Float
Balanced Axis

Carbon
Technology

Dynamic
Vacuum

K.E.R.S.

H.S.I.

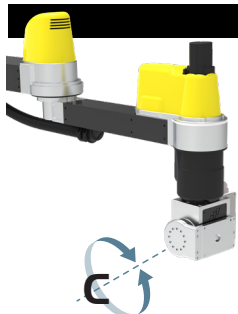
3DP
Device

V.O.S.

Jog Over

Electric C Axis

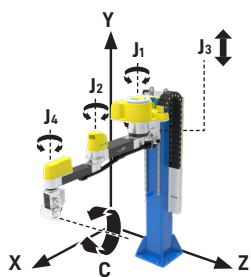
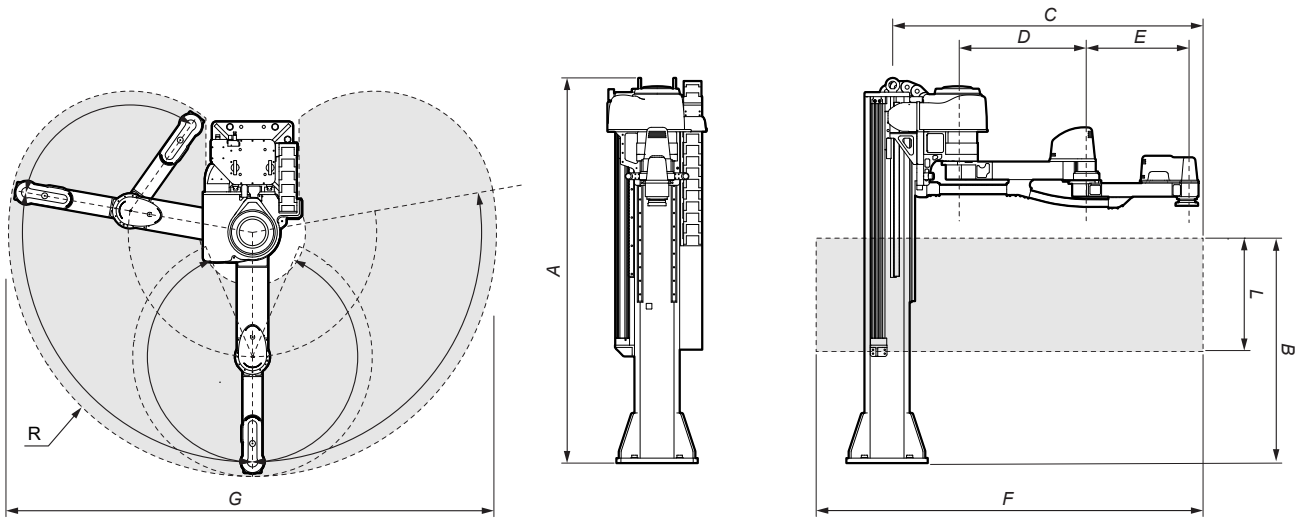
For more advanced applications that require maximum levels of agility and dexterity, there is also a version with electric wrist available, resulting in a servo-controlled five-axle robot.



(sample image may differ from actual supply)

SPIN2 X-Series evo

	SPIN2-1000	SPIN2-1000HS	SPIN2-1200	SPIN2-1200HS
Technical specifications:				
Maximum payload [kg]:	10	5	10	5
Range[mm]:	1000	1000	1200	1200
Number of servo-driven axes:	4 + 1*	4 + 1*	4 + 1*	4 + 1*
Working area:				
Rotation J1 [deg]:	±100°	±100°	±100°	±100°
Rotation J2 [deg]:	±154°	±154°	±154°	±154°
J3-axis stroke - Vertical [mm]:	500	500	500	500
Rotation J4 [deg]:	±660	±660	±660	±660
Maximum speeds:				
J1-axis rotation [deg/s]:	200	200	200	200
J2-axis rotation [deg/s]:	230	230	230	230
J3-axis stroke - Vertical [mm/s]:	1900	1900	1900	1900
J4-axis rotation [deg/s]:	380	380	380	380
Axes motion:	AC synchronous brushless servo motors			
Positioning repeatability [mm]:	± 0,1	± 0,1	± 0,1	± 0,1
Control unit:	Campetella EVO proprietary system			
Electrical power supply:	400-480 VAC • 50-60Hz • 3P+T			
Installed electrical power [kVA]:	13,7			
Pneumatic power supply [bar]:	6			
Approximate weight [kg]:	300			



Model	A	B	C	D	E	F	G	R	L
SPIN2-1000	1688	900	1573	550	465	1705	2160	1000(1080)	500
SPIN2-1000HS	1688	900	1573	550	465	1705	2160	1000(1080)	500
SPIN2-1200	1688	900	1800	650	565	2023	2560	1200(1280)	500
SPIN2-1200HS	1688	900	1800	650	565	2023	2560	1200(1280)	500

The drawings refer to the model Spin2-1000

	SPIN2-1000	SPIN2-1000HS	SPIN2-1200	SPIN2-1200HS
Robot supporting column				
With integrated vertical axis J3	•	•	•	•
NOTE: Custom supports available on demand				
Polso				
Pneumatic C-axis	•	•	•	•
Electric C-axis*	○	○ (1)	○	○ (1)
(*) With maximum load reduction to 2Kg				
Gripping system pneumatics				
First vacuum circuit with release blows	–	–	–	–
First pressure circuit for mechanical gripper	•	•	•	•
Additional vacuum circuits with release blows	–	–	–	–
Additional pressure circuits for mechanical gripper (n.1 max)	○	○	○	○
Electronics and software				
Socket 1 for external digital signals: 11 (Input) + 11 (Output relay)	•	•	•	•
Socket 2 for digital signals: 4 (Input) + 3 (Output relay)	•	•	•	•
Ethernet interface	•	•	•	•
USB interface	•	•	•	•
Socket for digital signals on the wrist: 3 (Programmable Input/Output)	•	•	•	•
Socket for user safety signals	•	•	•	•
Socket for conveyor belt signals: 1 (Input) + 2 (Output) + 1 (Relais Output)	•	•	•	•
Industry 4.0 kit (ethernet router + software)	○	○	○	○
Board kit I/O external 16I + 16O with 8mt cable	○	○	○	○
Electrical cabinet on the ground	•	•	•	•
Ground cabinet air conditioning	○	○	○	○
PLC software integrated into the CNC	○	○	○	○
Off-line programming software	○	○	○	○

Accessories**IMM connecting cable: (○):****Remote push-button panel(○)****EVO console cable winder (○)**

• Standard ○ Optional – Not available