



THE ULTIMATE COBOT

MADE IN FRANCE

COLLABORATIVE

ROBOT



www.cobot-one.com

More than ten SIL3, PL-e, Cat 3 certified safety functions

EtherCAT 





COBOT-ONE

After 10 years of research and development dedicated to technological breakthroughs, the COBOT-ONE brand has emerged as a veritable nugget of French innovation in the field of collaborative robots, or “cobots”. This exclusive range comprises the CO6, CO9 and CO14 models, each the fruit of in-depth technical expertise, redefining the uses of collaborative automation.



These robots embody the perfect synergy between agility, performance and human collaboration. Adaptable to the process needs of all industrial sectors, our cobots offer exceptional versatility. More than just automation tools, they represent a multi-purpose innovation. They can easily replace a multitude of robotic configurations.

Choose state-of-the-art automation with COBOT-ONE. Boasting exceptional operational performance, these cobots are the embodiment of a strong commitment to safe man-machine collaboration. With its three distinct models, COBOT-ONE is the ideal ally to propel your project towards technological excellence at the service of people.

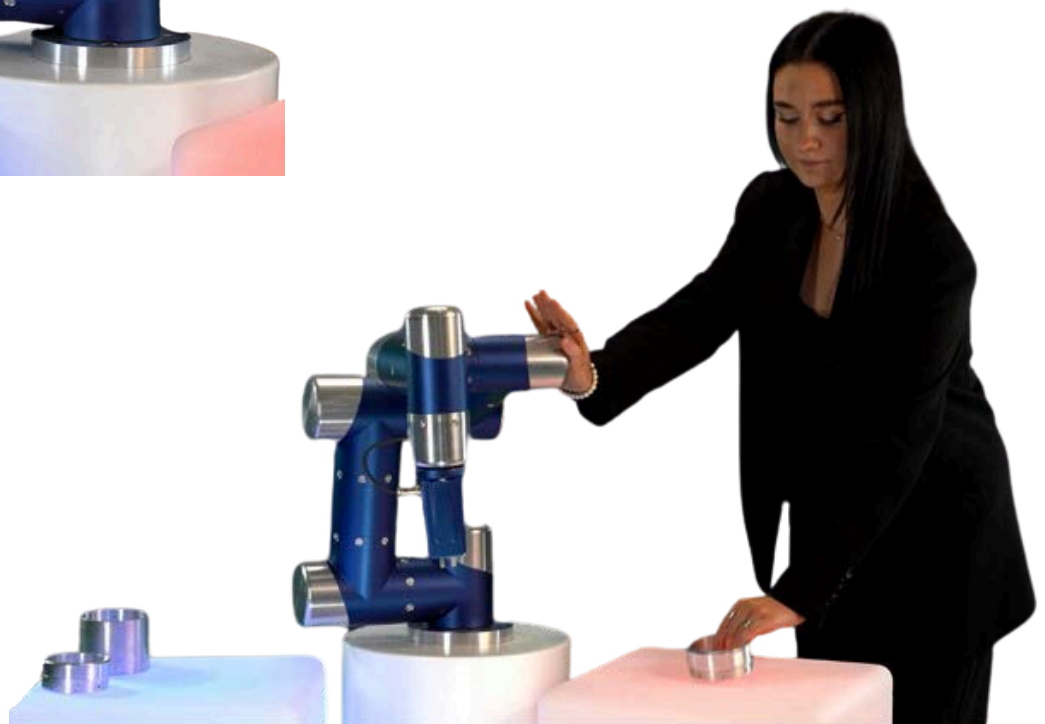
What is a cobot?

Collaborative robots mark a new era in industrial automation. Unlike traditional industrial robots, cobots are designed to work in close collaboration with human beings, opening up new possibilities in a variety of sectors.

MORE ROBUST

MORE COLLABORATIVE

MORE ECONOMICAL



Flexible deployment

With COBOT-ONE, there are no limits to automation. Adapt the cobot to your specific needs, optimize your processes and reach new heights of operational efficiency. COBOT-ONE's versatility offers a tailor-made solution for every task, making it your ideal partner in the world of industrial automation.

All our cobots can be equipped with a wide variety of tools to meet your specific needs: universal collets, advanced cutting tools, automated welding tips, automatic screwing, pick-and-place suction, dosing valves for liquid or pasty products, control cameras, sanding / deburring tools.

A multitude of tools



Control camera



Suction cup



Clamps



Dosing valve



Screwdriver



Soldering tip



Sander



Application cases



Assembly and installation



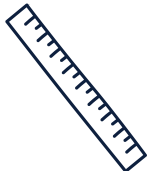
Screwing and welding



Pick and place



Inspection and quality control



Precision work



Education and research



Material deposition

Our distinctive innovations



Cobot behavior simulating the elasticity of a human arm



Unique neural network software, cerebellum model



Predictive and self-corrective maintenance



More robust design and engines



Ultra-simple programming



Sensitive skin without collision*



*optional

CO6



650 mm
3 kg

CO9



950 mm
5 kg

CO14



1450 mm
10 kg

Our cobots



C06

Range : 650 mm / 25.6 inch

Payload : 3 kg / 6.6 lbs

Footprint : 160 mm / 4 M10 screws

Weight : 18 kg / 48.5 lbs



C09

Range : 950 mm / 37.4 inch

Payload : 5 kg / 11 lbs

Footprint : 200 mm / 4 M10 screws

Weight : 29 kg / 70.5 lbs



C014


Range : 1450 mm / 57 inch

Payload : 10 kg / 22 lbs

Footprint : 200 mm, 4 M10 screws

Weight : 39 kg / 108 lbs

	CO6	CO9	CO14
Yields			
Repeatability per axis	+/- 0.1	+/- 0.1	+/- 0.1
Ambient temperature range	5-55°	5-55°	5-55°
Average power	120 W	240 W	360 W
Maximum power	Max 2.4 KW	Max 4.2 KW	Max 4.2 KW
Collaborative operations	Innovative software / Contact detection / Speed settings / Limitation zones		
Technical data			
Payload	3 kg	5 kg	10 kg
Range	650 mm	950 mm	1450 mm
Axes of motion	6	6	6
Programming	Manual / Remote controle / Contact details		
Magnetic brakes	6	6	6
Motors	6 long-life motors , 24/7 use		
High-resolution encoders	12	12	12
Max. motor torque	61 N.m	133 N.m	133 N.m

6 planetary gearboxes	Ratio 100:1 with no play	Ratio 100:1 with no play	Ratio 100:1 with no play
6-axis movement	+/- 360 °	+/- 360 °	+/- 360 °
IP classification	IP54	IP54	IP54
Noise	Silencer < 64 dB	Silencer < 64 dB	Silencer < 64 dB
I/O ports on tool	2 inputs / 2 outputs	2 inputs / 2 outputs	2 inputs / 2 outputs
I/O ports on controller	4 inputs / 4 outputs	4 inputs / 4 outputs	4 inputs / 4 outputs
I/O power supply on tool	24V- 1A	24V- 1A	24V- 1A
Physics			
Structure	3 to 5 mm thick aluminum		
Finish	3M powder coating or covering		
Tool connector type	RJ45, USB, Connector M8		
Robot / controller cable length	5 meters	5 meters	5 meters
Robot weight	18 kg	29 kg	39 kg
Power supply	220-240V 110-120 V optional	220-240V 110-120 V optional	220-240V 110-120 V optional
Certification EtherCAT 	SIL3, PI-e, Cat.3 safety function		



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