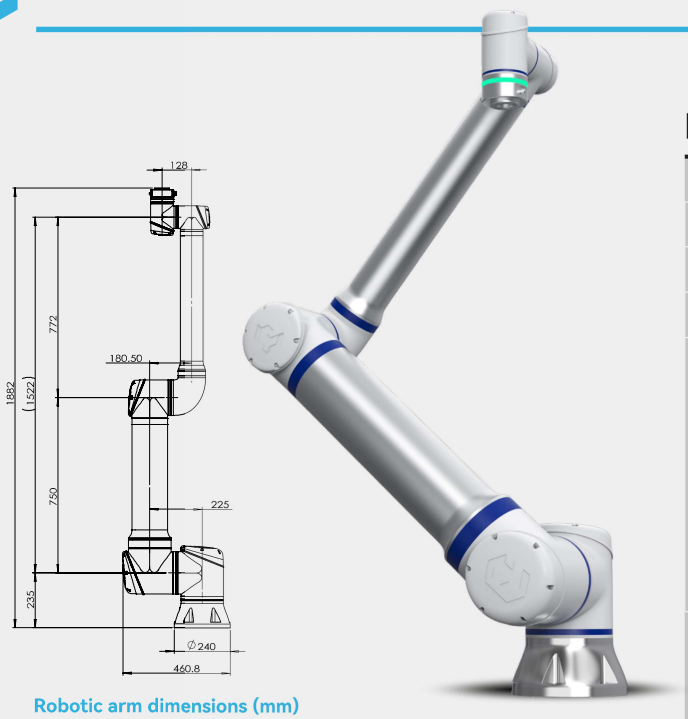
ELITE ROBOTS

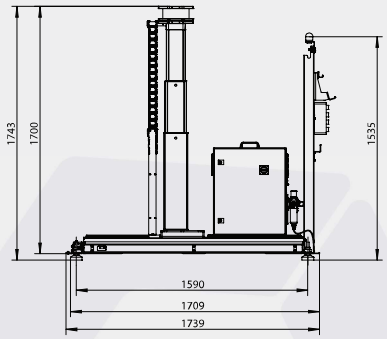
CS530H

CP SERIES

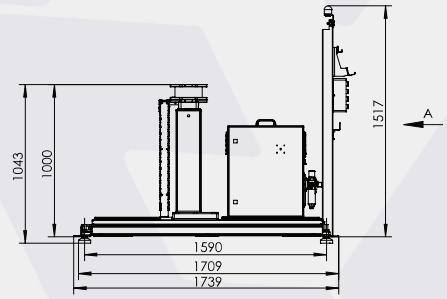
30 kg | 1522 mm | ±0.1 mm



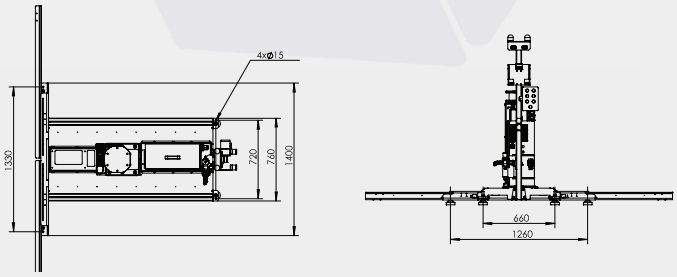
Robotic arm dimensions (mm)



CPL07 front dimensions (mm)



CPF10 front dimensions (mm)

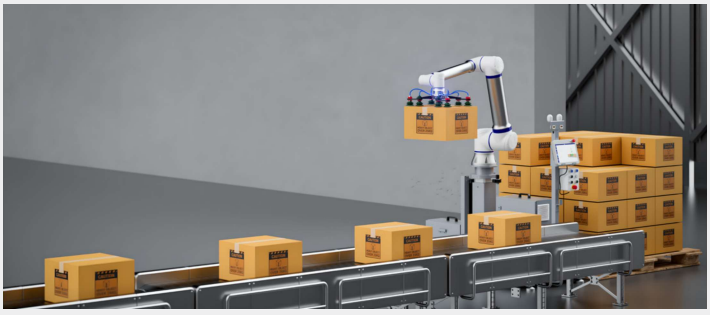


CPL07/CPF10 base and side dimensions (mm)

Robotic Arm

Payload		30kg
Radius		1522mm
Accuracy		±0.1mm
Axis		5
Joints rotation	J1	±360°
	J2	±360°
	J3	±360°
	J4	-
	J5	-
	J6	±360°
Joints speed	J1	125°/s
	J2	125°/s
	J3	150°/s
	J4	-
	J5	210°/s
	J6	210°/s
Typical TCP Speed		4.0 m/s
IP rating		IP65 (optional IP68)
Temperature range		-10~50℃
Relative humidity		<90% (non-condensing)
Noise reduction		<70db
Typical power usage		600w
Mounting		Front/reverse mounting
Tool I/O ports		4 config. DI / DO; 1 AI, 1 AO
Tool I/O power supply		12V/24V, 3A (3 Pin mode), 2A (2 Pin mode), 1A (single-pin mode)
Tool I/O communication		RS485
Footprint		Ø 240 mm
Weight		58 kg
Material		Aluminum, steel, plastic, rubber
Cable length		5.5m*
Programming		Python-script, graphical proprietary user interface, free-drag/offline programming

** Optional cable lengths (1.5m, 3m and 10m) and additional extensions up to 10m are available.*



*CS530H is ready to tackle all your palletizing tasks. Elite Robots' strongest cobot features a special architecture that makes it a perfect match for the **CP series palletizing solution**, lifting loads of up to 30 kg and reaching stacking heights of up to 2300 mm.*

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Palletizing base



CPL07



CPF10

Type	Telescopic column	Fixed column
Footprint	1400mm x 1700mm	
Max stacking height	2300 mm	1600 mm
Max pallet size	1000 mm x 1000 mm	
Max speed	7 boxes/min (single vacuum cup) 14 boxes/min (dual vacuum cup)	
Temperature range	0~50℃	
Peak consumption	2~3.5kW	
Power source	Single-phase 220VAC/110VAC 50~60Hz	



The combination of the CS530H cobot with Elite Robots' proprietary palletizing base (two alternative versions with telescoping and fixed column) creates the ***CP Series****, a flexible and cost-effective turnkey solution.*

Robot arm controller

Model	ERB3C300	ERB3C600	ERB3C2K0
Type	Standard AC		
I/O interface	16 x DI (PNP/NPN switch), 16 x DO; 8 x CI (PNP/NPN switch), 8 x CO; 2 x AI, 2 x AO, 4 x High-Speed DI		
I/O Power Supply	24V/2A		
Communication interface	Ethernet TCP/IP, UDP, Modbus TCP/RTU, RS485/RS232, Profinet slave, Ethernet/IP slave, CCLink slave (optional)		
Dimensions (W x H x D)	505mm × 447mm × 257mm		
Protection level	IP44		
Weight	15kg		
Power source	100~240VAC, 50~60Hz		
Operating temperature	0°C~50°C	-10°C~50°C	0°C~50°C
Ambient humidity	90%		
Material	Aluminum alloy, steel		



The CS standard controller features a compact and maintenance-friendly design (three-modules safety IO card and screw-lock fastener).

Teach Pendants

Model	ERP500 (standard)	ERP500S (optional)
Dimensions (W x H x D)	304mm x 169mm x 93mm	
Resolution	1280 x 800	
Screen size	10.1“	
Front buttons	12 motion-control buttons; 2 speed-adjustment buttons	
Rear button	Free-drive programming	3-position enable key
IP protection level	IP54	
Weight	0.96 kg	
Cable length	5.5 m	
Ambient humidity	95%	
Material	Aluminum alloy, plastic, silicone rubber	



Adjustable stand with detachable TP, containing Elite Robots proprietary software. Optional ERP500S TP for enhanced safety.