


30 kg

1522 mm

±0.1 mm

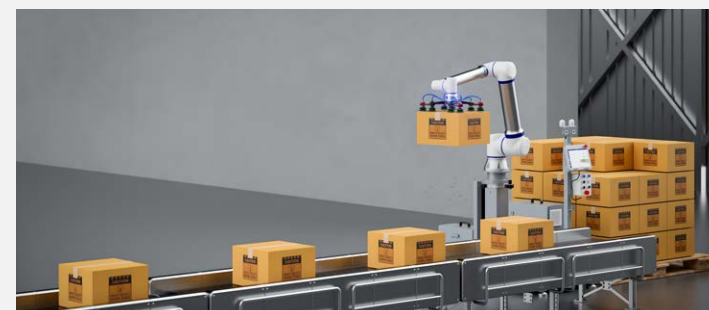
CS530H

CS SERIES

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°C	
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.


ELITE ROBOTS
CS530H | CS SERIES

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°C	
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

Type	AC
I/O ports	24 DI, 24 DO (8 safety config. DI/DO); 2 AI, 2 AO; 4 High-Speed DI
I/O power supply	24V/3A (internal), 6A (external)
Communication	RS485, Ethernet TCP/IP, Modbus TCP/RTU, Ethernet/IP slave, Profinet slave
Size	505 mm x 257 mm x 447 mm
IP Rating	IP44
Weight	15 kg
Power source	100~240 VAC, 50~60 Hz
Temperature range	0~50°C
Relative humidity	95% (non-condensing)
Material	Aluminum, Steel



The standard CS controller features 24 DI/24 DO (8 configurable) and 4 high-speed digital inputs for versatile connectivity options.

Teach Pendant

	ERP400	ERP400S
Size	301mm x 232mm x 54mm	301mm x 232mm x 105mm
Screen size	12.1"	
Resolution	1280 x 800 pixels	
IP rating	IP54	
Weight	1.7 kg	1.8 kg
Cable length	5.5 m	
Temperature range	0~50°C	
Relative humidity	5%~95% (non-condensing)	
Material	Aluminum, plastic, rubber	
Input method	Capacitive full touch-screen	Capacitive full touch-screen, 3-mode enable key, jogging-keys, function keys



Adjustable stand with detachable teach pendant, containing Elite Robots proprietary software. Optional ERP400S version for enhanced safety.

