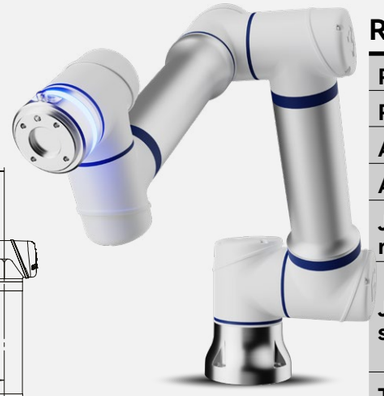
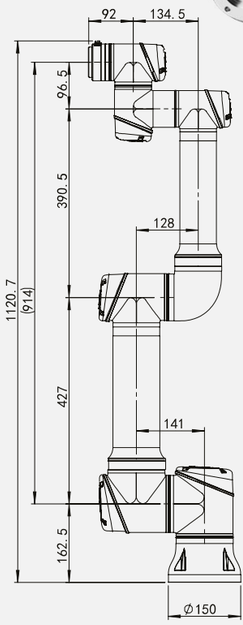
6 kg | 914 mm | ±0.03 mm

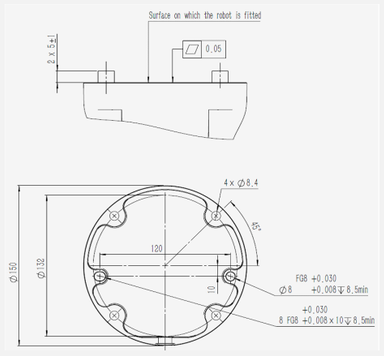
CS66

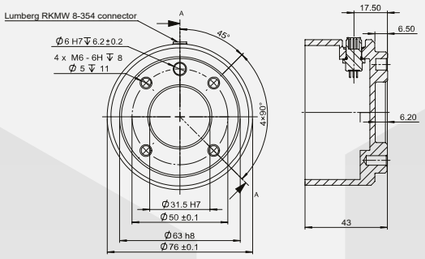
CS SERIES

ELITE ROBOTS









Robotic Arm

Payload		6kg
Radius		914mm
Accuracy		±0.03mm
Axis		6
Joints rotation	**J1-J6**	±360°
Joints speed	**J1-J2**	150°/s
	J3	180°/s
	J4-J6	230°/s
Typical TCP Speed		1.5 m/s
IP rating		IP65 (optional IP68)
Temperature range		-10~50℃
Relative humidity		<90% (non-condensing)
Noise reduction		<70db
Typical power usage		250w
Mounting		Any angle
Tool I/O connector		M8, 8pin
Tool I/O ports		4 config. DI / DO; 1 AI, 1 AO
Tool I/O power supply		0 / 12V / 24V; 3A / 2A / 1A
Tool I/O communication		RS485, Modbus RTU
Footprint		Ø 150 mm
Weight		20 kg
Material		Aluminum, steel, plastic, rubber
Cable length		5.5m*
Certifications		ISO 13849, ISO 10218, ISO/TS 15066, ISO 14644 cleanroom class 5, RoHS; SEMI-S2; UL, CE, KCs
Programming		Python-script, graphical proprietary user interface, free-drag/offline programming

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

Ideal for applications that require a small-sized cobot with sufficient reach and payload, the CS66 cobot is the must-have choice to smoothly automate your light-mid weight pick and place, assembly, dispensing tasks and more.

Standard 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	505mm x 257mm 462mm
IP Rating	IP44
Weight	14kg
Power source	100-240 VAC, 50-60 Hz
Temperature range	0~50℃
Relative humidity	5%~95% (non-condensing)
Material	Aluminum, Steel

The standard controller integrates a holder to optionally attach the TP

OEM controller

Type	DC / 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	495mm x 200mm x 227mm
IP Rating	IP40
Weight	5kg
Power source	19-72VDC / 100-240VAC, 50-60Hz
Temperature range	0~50℃
Relative humidity	5%~95% (non-condensing)
Material	Aluminum, Steel

The optional OEM controller is suitable for integrators, OEM partners and users who want to create their own custom design.

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	1.6 kg
Cable length	5.5 m	
Temperature range	0~50℃	
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

The CS teach pendant contains Elite Robots proprietary software. The optional ERP400S version integrates jogging and function keys and a 3-mode enable key for enhanced safety.