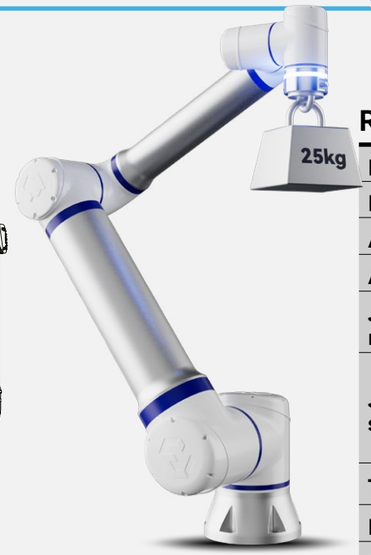
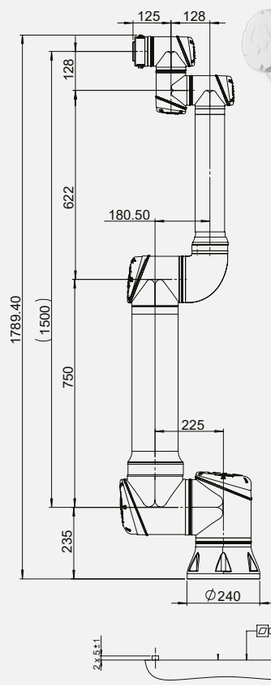
ELITE ROBOTS

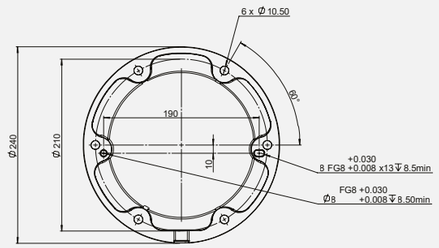
25 kg | 1500 mm | ±0.08 mm

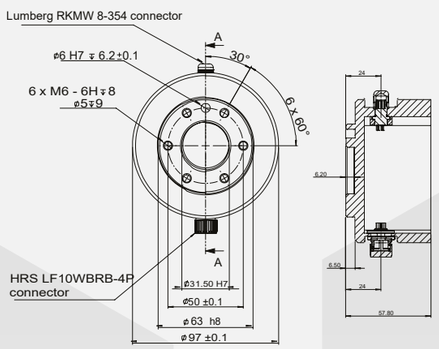
# CS625

## CS SERIES




## Robotic Arm

| | | |
|---|---|---|
| Payload | | 25kg |
| Radius | | 1500mm |
| Accuracy | | ±0.08mm |
| Axis | | 6 |
| Joints rotation | J1-J6 | ±360° |
| Joints speed | J1-J2 | 125°/s |
| | J3 | 150°/s |
| | J4-J6 | 210°/s |
| Typical TCP Speed | | 2.0 m/s |
| IP rating | | IP65 (optional IP68) |
| Temperature range | | -10~50℃ |
| Relative humidity | | <90% (non-condensing) |
| Noise reduction | | <70db |
| Typical power usage | | 625w |
| Mounting | | Any angle |
| Tool I/O connector | | T1: M8, 8pin<br>T2: Ø 12.8mm, 4pin |
| Tool I/O ports | | 4 config. DI / DO; 1 AI, 1 AO |
| Tool I/O power supply | | T1: 0 / 12V / 24V; 3A / 2A / 1A<br>T2: 24 V; 5A |
| Tool I/O communication | | RS485, Modbus RTU |
| Footprint | | Ø 240 mm |
| Weight | | 58 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.*

*Featuring the same architecture as CS620, the CS625 is the cobot with the highest payload of the entire CS series. Yet, with a weight of only 58kg and an ultra-compact 240mm footprint (the same as CS620), this collaborative robot ensures broad versatility on any work floor.*

Elite Robots

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## 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 | 16kg |
| 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 | 7 kg |
| 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.*