

CR12 COLLABORATIVE ROBOT

Cobot with High Payload

The CR12 has a maximum payload of 12 kg and max operating speed of 4 m/s. The robot can be deployed for loading and unloading, polishing, welding and palletizing tasks to improve production efficiency in automotive, food and beverage, pharmaceutical and chemical industries.

Weight		39.5 kg
Maximum Payload		12 kg
Working Radius		1200 mm
Maximum Reach		1425 mm
Rated Voltage		DC48V
Maximum Speed of TCP		4 m/s
Range of Motion	J1	±360°
	J2	±360°
	J3	±160°
	J4	±360°
	J5	±360°
	J6	±360°
Maximum Joint Speed	J1/J2	120° /s
	J3/J4/J5/J6	180° /s
End-Effector I/O Interface	DI/DO/AI	2
	AO	0
Communication Interface	Communication	RS485
Controller I/O	DI	16
	DO/DI	16
	AI/AO	2
	ABZ Incremental Encoder	1
Repeatability		±0.03 mm
Communication		TCP/IP, Modbus, Wi-Fi
IP Rating		IP54, Control Box IP20 (IP66 available upon choice)
Temperature		0° ~ 45° C
Power Consumption		350W
Materials		Aluminum alloy, ABS plastic



APPLICATION SCENARIOS

- Welding
- Paletizing
- Loading and unloading
- Assembly
- Bin Picking
- Gluing
- Polishing
- Quality Inspection
- Screwdriving
- Transporting

CR12 COLLABORATIVE ROBOT

