

# CR3 COLLABORATIVE ROBOT

## Lightweight Cobot for Flexible Manufacturing Automation

The CR3 has a compact design for quick deployment into tight spaces. It is ideal for automating light tasks, such as handling coffee and other beverages and other retail scenarios.

Weight		16.5 kg
Maximum Payload		3 kg
Working Radius		620 mm
Maximum Reach		795 mm
Rated Voltage		DC48V
Maximum Speed of TCP		2 m/s
Range of Motion	J1	±360°
	J2	±360°
	J3	±155°
	J4	±360°
	J5	±360°
	J6	±360°
Maximum Joint Speed	J1/J2	180° /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		±0.02 mm
Communication		TCP/IP, Modbus, Wi-Fi
IP Rating		IP54, Control Box IP20 (IP66 available upon choice)
Temperature		0° ~ 45° C
Power Consumption		120W
Materials		Aluminum alloy, ABS plastic



## APPLICATION SCENARIOS

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

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