

# CR5 COLLABORATIVE ROBOT

## High Performance Flexible Cobot

The CR5 has a repeatability of  $\pm 0.02$  mm and 5 levels of adjustable collision detection settings. Use the intelligent interaction panel for drag to teach functionality. Have the robot perform inspection, assembly, screwdriving, bin picking and loading and unloading tasks to meet the needs of consumer electronics, semiconductor, food and beverage, metal processing and healthcare industries.

Weight		25 kg
Maximum Payload		5 kg
Working Radius		900 mm
Maximum Reach		1096 mm
Rated Voltage		DC48V
Maximum Speed of TCP		3 m/s
Range of Motion	J1	$\pm 360^\circ$
	J2	$\pm 360^\circ$
	J3	$\pm 160^\circ$
	J4	$\pm 360^\circ$
	J5	$\pm 360^\circ$
	J6	$\pm 360^\circ$
Maximum Joint Speed	J1/J2	$180^\circ /s$
	J3/J4/J5/J6	$180^\circ /s$
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		$\pm 0.02$ mm
Communication		TCP/IP, Modbus, Wi-Fi
IP Rating		IP54, Control Box IP20 (IP66 available upon choice)
Temperature		$0^\circ \sim 45^\circ$ C
Power Consumption		150W
Materials		Aluminum alloy, ABS plastic



## APPLICATION SCENARIOS

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

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