

# CR5S COLLABORATIVE ROBOT

## High Performance Cobot with SafeSkin

The CR5S has a repeatability of  $\pm 0.02$  mm and 5 levels of adjustable collision detection settings. The intelligent interaction panel offers quick access to drag-to-teach functionality. Equipped with SafeSkin for pre-collision detection, CR5S allows for efficient human-machine collaboration.

Weight		25 kg
Maximum Payload		5 kg
Working Radius		900 mm
Max Reach		1096 mm
Rated Voltage		48V DC
Maximum Speed of TCP		3 m/s
Joint Ranges	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 Speed of Joints	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		$\pm 0.02$ mm
Communication		TCP/IP, Modbus, Wi-Fi
IP Rating		IP54
Temperature		0° ~ 45° C
Power		150W
Materials		Aluminum alloy, ABS plastic



## APPLICATION SCENARIOS

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

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