DOBOT

AUTOBOTS INC.

DOBOT CR5

Cost-Effective Collaborative

6-Axis Robot Arm

DOBOT CR5

Lightweight, customizable and easy to program, DOBOT CR5 is dedicated to bringing safe automation of repetitive, risky tasks for manufacturers across industries. With 5kg payload and 900mm radius, CR5 is the perfect cobot for performing production tasks such as packing, assembly or testing.

K-DESIGN AWARD'19

Multiple Intuitive & Smart Control Methods

Wi-Fi enabled CR5 connects to the teach pendant or your PCs, allowing for convenient control and fulfillment of various tasks including production and packaging, anywhere and anytime. The cobot automatically runs at adaptive accelerating/decelerating parameters while maintaining optimal performance, requiring no complicated adjustments.

Incredible Expandability Including Google Image & Voice Recognition

CR5 can be integrated with chip implantation such as Google TPU2 and TensorFlow chips for feature extraction, pattern matching and model training, etc. The robot offers dozens of I/Os, free choices of programming languages and a variety of accessories and end tools, in order for users to choose whatever they need for secondary development.

Safe Human-Robot Collaboration & Easy Programming

CR6-5 features sensor-free collision detection to bring people and robots closer, requiring no caging or costly safety measures. Teach & play, teach pendant and intuitive software with a graphic interface make programming less challenging for operators without expert-level programming experience.

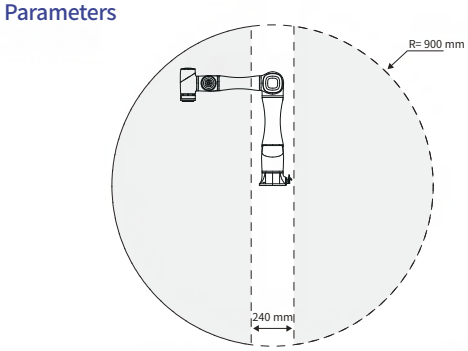
Accurate Trajectory Reproduction

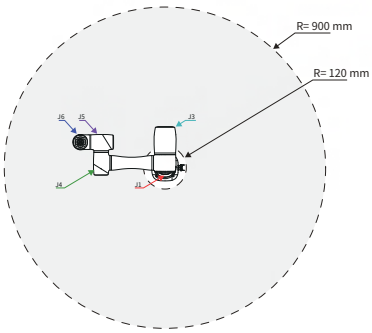
CR5 can accurately move along a given trajectory fast or slow, with an accuracy of 0.2mm roundness error at 1m/s speed.

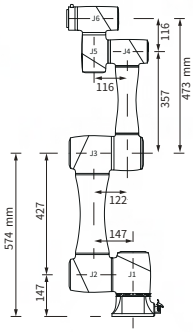
Parameters

Weight(kg)	23kg	
Payload(kg)	5kg	
Reach(mm)	900mm	
Maximum speed of send-effecor(m/s)	3m/s	
Motion range (°)	J1	±360°
	J2	±360°
	J3	±160°
	J4	±360°
	J5	±360°
	J6	±360°
Joint maximum speed (° /s)	J1	180° /s
	J2	180° /s
	J3	180° /s
	J4	180° /s
	J5	180° /s
	J6	180° /s
End-effector I/0 interface	Digital Input	2
	Digital Output	2
	Analog Input	2
	Analog Output	0
Communication interface	RS485	
Controller I/O interface	Digital Input	16
	Digital Input/Digital output	16
	Analog Input	2
	Analog Output	2
Repeatability	±0.03mm	
Power	100V ~240V AC, 50~60Hz	
Communication	TCP/IP, Modbus, EtherCAT, Wi-Fi	
IP classification	IP54	
Temperature	0°C ~45°C	
Power supply	About 200W when running typical programs	
Material	Aluminum alloy, ABS	

Parameters







www.autobots-inc.com

#25, Crescent Road West, Shenoy Nagar, Chennai - 600 030. Mob : 9789049050 / 9500177280 | Email : contact@autobots-inc.com