

# **DOBOT CR5**

## COLLABORATIVE ROBOT

DOBOT CR5 is a lightweight collaborative 6-axis robot newly developed by DOBOT. It has successfully overcome abundant technical problems like achieving the integrated joints and servo control, and lightweight body.

Reproduction of moving path is innovatively introduced to completely reproduce the moving path and lower the threshold of accessing robot. CR5 features 0,03 mm repeatability, 5 kg payload, and a maximum joint speed of 180°/s, making it a product that truly combines the advantages of industrial robots and collaborative robots.



<b>WeightHmotnost</b>	23 kg	
<b>Payload</b>	5 kg	
<b>Reach</b>	900 mm	
<b>Maximum Speed</b>	3 m/s	
<b>Joint Ranges</b>	<b>J1</b>	±180°
	<b>J2</b>	±180°
	<b>J3</b>	±160°
	<b>J4</b>	±180°
	<b>J5</b>	±180°
	<b>J6</b>	±360°
<b>Joint Max Speed</b>	<b>J1</b>	180°/s
	<b>J2</b>	180°/s
	<b>J3</b>	180°/s
	<b>J4</b>	180°/s
	<b>J5</b>	180°/s
	<b>J6</b>	180°/s

<b>Tool I/O Ports</b>	<b>DI</b>	2
	<b>DO</b>	2
	<b>AI</b>	2
	<b>AO</b>	0
	<b>Kom.</b>	RS-485
<b>Control Box I/O Ports</b>	<b>DI</b>	16
	<b>DO</b>	16
	<b>AI</b>	2
	<b>AO</b>	2
<b>Repeatability</b>	±0,03 mm	
<b>Power</b>	100~240 V, 50~60Hz	
<b>Communication</b>	TCP/IP, Modbus, Wi-Fi	
<b>IP Classification</b>	IP54	
<b>Temperature</b>	0 to +45°C	
<b>Power</b>	200W	
<b>Material</b>	Aluminum, ABS	



**PRŮMYSLOVÉ A EDUKATIVNÍ ROBOTY**



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