



## Professional Packaging Systems

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## Contact

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# Fanuc CRX-20iA/L Cobot Collaborative Robot



## At a Glance

- Max Payload: 20 kg
- Reach: 1418 mm
- Axis: 6
- Mechanical Weight: 41 kg

## Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

## Robot Arm with 20 kg Max Payload

The Fanuc CRX-20iA/L Collaborative Robot has a 20 kg payload and 1,418mm reach, with a unique under-flip motion.

The Fanuc CRX-20iA/L Cobot robot arm is ideal for applications that require a higher payload in a small footprint and is perfect for tight spaces and movements that would be awkward for similar cobots on the market. The CRX 20-iA/L robot is a popular choice of cobot for applications including palletizing, welding, machine tending, inspection, material removal, and more.

The Fanuc CRX Series of Cobots are 8 Years Zero Maintenance with the proven industrial reliability Fanuc customers expect.

Pro Pac provides custom end-of-arm tools and configurations that seamlessly integrate with Fanuc robots and the needs of any packaging line.

## Specifications

Max Payload: 20 kg  
Reach: 1418 mm  
Axis: 6  
Mechanical Weight: 41  
Repeatability:  $\pm 0.04$  mm

Please [contact Pro Pac](#) or call 888-318-0083 for your robotic equipment.

# Specifications of Fanuc CRX Robots

Specification	CRX-5iA	CRX-10iA	CRX-10iA/L	CRX-20iA/L	CRX-30iA
Type	5	10	10	20	30
Controlled Axis	6	6	6	6	6
Max Load at Wrist (kg)	5	10	10	20	30/25
Reach (mm) <sup>1</sup>	994	1,249	1,418	1,418	1,756/1,889 <sup>4</sup>
Repeatability (mm) <sup>3</sup>	±0.03	±0.04	±0.04	±0.04	±0.05
Mass (kg)	25	40	40	41	135
Installation Floor   Upside Down   Wall	Standard	Standard	Standard	Standard	Standard
<b>Motion Range</b>					
J1 Axis Rotation (°)	400	380	360	360	360
J2 Axis Rotation (°)	360	360	360	360	360
J3 Axis Rotation (°)	635	570	540	540	540
J4 Axis Wrist Rotation (°)	380	380	380	380	380
J5 Axis Wrist Swing (°)	360	360	360	360	360
J6 Axis Wrist Rotation (°)	450	450	450	450	450
Max Speed Collaborative Mode (mm/s) <sup>2</sup>	1,000	1,000	1,000	1,000	1,000
Max Speed High-Speed Mode (mm/s) <sup>2</sup>	2,000	2,000	2,000	2,000	2,000
<b>Allowable Load Moment at Wrist</b>					
J4 Axis (Nm)	19.0	34.8	34.8	70.0	100.0
J5 Axis (Nm)	15.4	26.0	26.0	64.0	74.0
J6 Axis (Nm)	6.7	11.0	11.0	30.0	32.0
<b>Allowable Load Inertia at Wrist</b>					
J4 Axis (kgm <sup>2</sup> )	0.77	1.28	1.28	4.00	4.70

J5 Axis (kgm <sup>2</sup> )	15.4	26.0	26.0	64.0	74.0
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J6 Axis (kgm <sup>2</sup> )	0.10	0.30	0.30	2.00	2.00
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**Installation Environment**

Input Power Source (VAC)	100-120200- 240	100-120200- 240	100-120200- 240	100-120200- 240	100-120200- 240
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Ambient Operating Temp (°C)	0-45	0-45	0-45	0-45	0-45
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**Protection**

Body Standard / Optional	IP67	IP67	IP67	IP67	IP67
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Wrist & J3 Arm Standard / Optional	IP67	IP67	IP67	IP67	IP67
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- 1) Reach specification from faceplate 2) Necessary to set a motion speed according to risk assesment of system 3) Compliant with ISO9283 4) Operating space expanded when 25kg payload mode selected

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