



Professional Packaging Systems

2010 S. Great Southwest Parkway
Grand Prairie, Texas 75051
www.ProPac.com

Contact

Our Packaging Experts
solutions@propac.com
888-318-0083

Fanuc CRX-5iA Cobot Collaborative Robot



At a Glance

- Max Payload: 5 kg
- Reach: 994 mm
- Axis: 6
- Mechanical Weight: 25 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 5 kg Max Payload

The Fanuc CRX-5iA Cobot is part of Fanuc's line of collaborative robots, or Cobots, made with the specific intention of working safely and efficiently alongside human staff.

With a 5kg payload and 994mm reach, the Fanuc CRX-5iA collaborative robot is the perfect solution for manufacturers with little to no experience in robotics and automation, especially in applications like material handling, machine tending, and picking/packaging.

For applications where sanitation is an absolute must, the CRX-5iA collaborative robot is also offered in a food-grade cobot model.

Fanuc's world-renowned technology, coupled with an easy programming learning curve, provides proven reliability and sensitive contact detection that allows the CRX-5iA collaborative robot to work safely alongside people in a variety of industrial and manufacturing jobs.

The Fanuc CRX series offers an all-new Fanuc programming interface with simple drag-and-drop technology on a touchscreen teach pendant. The 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: 5 kg

Reach: 994 mm
 Axis: 6
 Mechanical Weight: 25
 Repeatability: ± 0.03 mm
 Mounting: Floor, inverted, wall

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) ¹	994	1,249	1,418	1,418	1,756/1,889 ⁴
Repeatability (mm) ³	± 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
Motion Range					
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) ²	1,000	1,000	1,000	1,000	1,000
Max Speed High-Speed Mode (mm/s) ²	2,000	2,000	2,000	2,000	2,000
Allowable Load Moment at Wrist					
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
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J6 Axis (Nm)	6.7	11.0	11.0	30.0	32.0
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Allowable Load Inertia at Wrist

J4 Axis (kgm ²)	0.77	1.28	1.28	4.00	4.70
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J5 Axis (kgm ²)	15.4	26.0	26.0	64.0	74.0
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J6 Axis (kgm ²)	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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