



## Professional Packaging Systems

2010 S. Great Southwest Parkway  
Grand Prairie, Texas 75051  
[www.ProPac.com](http://www.ProPac.com)

## Contact

Our Packaging Experts  
[solutions@propac.com](mailto:solutions@propac.com)  
888-318-0083

# Fanuc CRX-5iA Cobot Food Grade 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 food-grade Cobot robot arm is designed for the food and beverage industries. Equipped with NSF-H1 food-grade grease, white epoxy paint and rust/chemical resistant plating, the CRX-5iA food-grade cobot is an ideal solution for food handling, wet environments, or strict hygiene requirements.

The CRX-5iA robot has a Tablet Teach Pendant (TP) that offers customers a quick and easy way to program with user-friendly features and intuitive drag-and-drop functionality. Easy programming paired with our world-renowned technology, proven reliability, and sensitive contact detection allows the Fanuc CRX-5iA food-grade cobot to work safely alongside people – even in tight workspaces.

Fanuc food grade series of CRX Cobots provide the utmost reliability, flexibility, and can run for eight years without maintenance.

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:  $\pm 0.03$  mm

Mounting: Floor, inverted, wall

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

## Specifications of Fanuc Food Grade CRX Robots

Specification	CRX-5iAFood Grade	CRX-10iAFood Grade	CRX-10iA/LFood Grade	CRX-20iA/LFood Grade	CRX-30iAFood Grade
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>	$\pm 0.03$	$\pm 0.04$	$\pm 0.04$	$\pm 0.04$	$\pm 0.05$
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
--------------	-----	------	------	------	------

**Allowable Load Inertia at Wrist**

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
-----------------------------	------	------	------	------	------

J6 Axis (kgm <sup>2</sup> )	0.10	0.30	0.30	2.00	2.00
-----------------------------	------	------	------	------	------

**Installation Environment**

Input Power Source (VAC)	100-120200-240	100-120200-240	100-120200-240	100-120200-240	100-120200-240
--------------------------	----------------	----------------	----------------	----------------	----------------

Ambient Operating Temp (°C)	0-45	0-45	0-45	0-45	0-45
-----------------------------	------	------	------	------	------

**Protection**

Body Standard / Optional	IP67	IP67	IP67	IP67	IP67
--------------------------	------	------	------	------	------

Wrist & J3 Arm Standard / Optional	IP67	IP67	IP67	IP67	IP67
------------------------------------	------	------	------	------	------

- 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

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