

Kawasaki Heavy Industries, Ltd

Robot Business Division

Tokyo Head Office/Robot Division
1-14-5, Kaigan, Minato-ku, Tokyo 105-8315, Japan
Phone: +81-3-3435-2501 Fax: +81-3-3437-9880

Akashi Works/Robot Division
1-1, Kawasaki-cho, Akashi, Hyogo 673-8666, Japan
Phone: +81-78-921-2946 Fax: +81-78-923-6548

Nishi-Kobe Works/Robot Division
234, Matsumoto, Hasetani-cho, Nishi-ku, Kobe, Hyogo 651-2239, Japan
Phone: +81-78-915-8136 Fax: +81-78-915-8274

Global Network

Kawasaki Robotics (USA), Inc.
28140 Lakeview Drive, Wixom, MI 48393, U.S.A.
Phone: +1-248-446-4100 Fax: +1-248-446-4200

Kawasaki Robotics (UK) Ltd.
Unit 4 Easter Court, Europa Boulevard, Westbrook
Warrington Cheshire, WA5 7ZB, United Kingdom
Phone: +44-1925-71-3000 Fax: +44-1925-71-3001

Kawasaki Robotics GmbH
Im Taubental 32, 41468 Neuss, Germany
Phone: +49-2131-34260 Fax: +49-2131-3426-22

Kawasaki Robotics Korea, Ltd.
NO. 6-10, 14th floor, 1dong, 135, Gasan digital 2-ro,
Geumcheon-gu, Seoul, Republic of Korea
Phone: +82-32-821-6941 Fax: +82-32-821-6947

Kawasaki Robotics (Tianjin) Co., Ltd.
1-2/F, Building 6, No.19 Xinhuan Road, TEDA, China
Phone: +86-22-5983-1888 Fax: +86-22-5983-1889

Taiwan kawasaki Robot Center
3F, No.31, Ln.216, Gongyuan Rd.,Hsinchu City
30069, Taiwan(R.O.C)
Phone: +886-3-562-0518

Kawasaki Motors Enterprise (Thailand) Co., Ltd.
(Rayong Robot Center)
119/10 Moo 4 T.Pluaek Daeng, A.Pluaek Daeng, Rayong 21140
Thailand
Phone: +66-38-955-040-58 Fax: +66-38-955-145

Singapore Kawasaki Robot Center
100G Pasir Panjang Road #06-10
Singapore 118523
Phone: +65-6513-3145

Kawasaki Robotics India Pvt. Ltd.
1/5, Village-Khandsa, Khasra No. 1364,599/2/2/1,
Hero Honda Chowk,Gurgaon-122001, Haryana
Phone: +91-124-608-5500

Kawasaki Robotics website
<https://kawasakirobotics.com/>



Kawasaki Robot

Picking Robots

- Small-to-medium robots
up to 80kg payload
- Large robots
up to 300kg payload
- Extra large robots
up to 1,500kg payload
- Dual-arm Collaborative robots
- Explosion-proof painting robots
- Sealing robots
- Arc welding robots
- Palletizing robots
- Medical & pharmaceutical robots
- Picking robots**
- Wafer transfer robots
- Self-Propelled Robot



**CAUTIONS TO BE TAKEN
TO ENSURE SAFETY**

- For those persons involved with the operation / service of your system, including Kawasaki Robot, they must strictly observe all safety regulations at all times. They should carefully read the Manuals and other related safety documents.
- Products described in this catalogue are general industrial robots. Therefore, if a customer wishes to use the Robot for special purposes, which might endanger operators or if the Robot has any problems, please contact us. We will be pleased to help you.
- Be careful as Photographs illustrated in this catalogue are frequently taken after removing safety fences and other safety devices stipulated in the safety regulations from the Robot operation system.



* Materials and specifications are subject to change without notice.

Picking Robots

The Y series pick & place robots are used in food, pharmaceutical, cosmetic, electric, electronics and machine parts industries.
The YF002N is compact, while the YF003N has a long motion range.

YF series

[Applications]



Features

- The compact YF002N and long motion-range YF003N achieve high-speed pick & place. Both models use grease and oil for food-processing machinery.
- Wash-down with acid or alkaline cleanser is possible (the YF003N).

YF002N



YF003N



YF002N

Standard Specifications

Type	Parallel link type
Degree of freedom (axes)	4
Payload (kg)	2
Position repeatability*1 (mm)	±0.04
Angular repeatability (°)	±0.1
Motion range (mm)	φ600×H200
Cycle Time*2 (Payload)	0.3s (0.5kg), 0.36s (2kg)
Mass (kg)	60
Mounting	Ceiling
Installation environment	Ambient temperature (°C) 10 - 35 Relative humidity (%) 35 - 85 (No dew, nor frost allowed)
Degee of protection	IP65 or equivalent
Controller/Power requirements	F01/5.6 kVA

*1: Conforms to ISO9283
*2: Motion Pattern (25mm up, 305mm horizontal, 25mm down in a to-and-fro motion)

Controller

F01

Features

- The F01 controller has common specifications to be used globally.
- Performance and expandability have been greatly enhanced from its previous E-controller. Yet, the size and weight are much smaller.

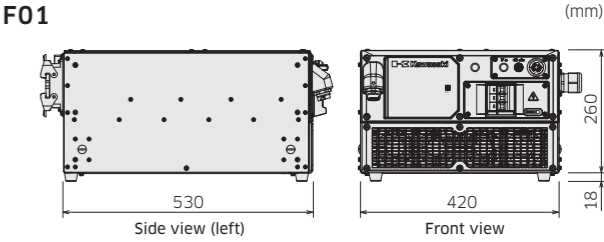
Standard Specifications

Dimensions (mm)	W420×D530×H278
Type	Enclosed type, indirect cooling system (IP54 or equivalent)
Controlled (axes)	6
Memory capacity (MB)	16
I/O signals	External operation Motor power off, Hold Input (Channels) 32 Output (Channels) 32
Cable length	Teach pendant (m) 5 Robot-controller (m) 5
Mass (kg)	20
Power requirements	AC200V - AC220V ±10%, 50/60Hz, 3Φ AC200V - AC230V ±10%, 50/60Hz, 1Φ *1 Max. 5.6kVA
Installation environment	Ambient temperature (°C) 0 - 45 Relative humidity (%) 35 - 85 (No dew, nor frost allowed)
Teach pendant	Color LCD display with touch-panel, E-Stop switch, Teach lock switch, Enable switch
Operation panel	E-stop switch, teach/repeat switch

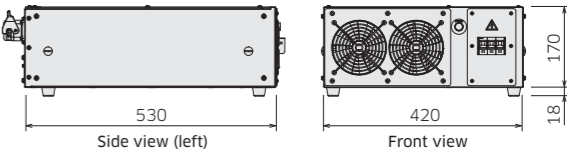
*1: 200V single phase is available for some robot models only.



External view and Dimensions



Transformer unit *Option



YF003N

Standard Specifications

Type	Parallel link type
Degree of freedom (axes)	4
Payload (kg)	3
Position repeatability*1 (mm)	±0.1
Angular repeatability (°)	±0.1
Motion range (mm)	φ1,300×H500
Cycle Time*2 (Payload)	0.27s (1kg), 0.45s (3kg)
Mass (kg)	145
Mounting	Ceiling
Installation environment	Ambient temperature (°C) 0 - 45 Relative humidity (%) 35 - 85 (No dew, nor frost allowed)
Degee of protection	IP65 or equivalent
Controller/Power requirements	F01/5.6kVA

*1: Conforms to ISO9283
*2: Motion Pattern (25mm up, 305mm horizontal, 25mm down in a to-and-fro motion)

