



Kawasaki Robot e-News is an electronic bimonthly newsletter that provides our customers with useful information on robotics.

New Robots: CP Series, CX Series, and BA Series

Kawasaki Robot announced on March 1, 2015 that it has launched its CP series of high-speed palletizing robots, CX series of large-size general-purpose robots, and BA series of arc-welding robots.

The newly launched three series have been developed based on conventional series in order to respond to increasing demand in global markets. They are being launched worldwide, while a compact and energy-saving new controller, which supports these series, is also being launched simultaneously.



“CP series”



“CX series”



“BA series”

■ CP series: High-speed palletizing robot

The CP series, for palletizing boxes, bags, etc., includes three types of products with different maximum payload capacities: the CPL180L at 180 kg, the CP300L at 300 kg, and the CP500L at 500 kg. The capacities for the first two have been increased by 50 kg in comparison to the equivalent models of the conventional ZD series (ZD130S and ZD250S). The body weight of the CP500L, which is newly added to the lineup, was reduced by 38%, in comparison to the equivalent model in the MD series (MD500N). In addition, the series has the fastest palletizing capacity in the robot industry within all ranges of its loading capacity up to 500 kg. The CP series helps to speed up logistics for all industries, thanks to wider motion range, high transportation capacity, and wide product range.

Product name	CP180L	CP300L	CP500L
Sales price in Japan* ¹	5,500,000 yen	6,000,000 yen	7,000,000 yen
Arm type	Vertical articulated arm		
Degree of freedom	4 axes		
Maximum payload	180 kg	300 kg	500 kg
Position repeatability	±0.5 mm		
Mass	1,600 kg	1,600 kg	1,650 kg
Palletizing capacity* ² (payload)	2,050 cycles/hour (130 kg)	1,700 cycles/hour (250 kg)	1,000 cycles/hour (500 kg)

*¹ Manufacturer's suggested retail price (options and consumption tax not included).

*² Motion pattern (400m up, 2,000mm horizontal, 400mm down in a to-and-fro motion)

■ CX series: Large-size general-purpose robot

The CX series of large-size general-purpose robots corresponds to a variety of applications, from material handling to spot welding. Based on the excellent features of the conventional Z series, the CX series, with its evolved performance, higher operating speed, hollow arm structure, and compact body, improves productivity by speeding up assembly and handling processes, and achieves a higher density robot layout. The series includes three types of products with different maximum payload capacities: the CX110L at 110 kg, the CX165L at 165 kg, and the CX210L at 210 kg.

Product name	CX110L	CX165L	CX210L
Sales price in Japan*	5,000,000 yen	5,500,000 yen	6,000,000 yen
Arm type	Vertical articulated arm		
Degree of freedom	6 axes		
Maximum reach	2,699 mm		
Maximum payload	110 kg	165 kg	210 kg
Position repeatability	±0.3 mm		

* Manufacturer's suggested retail price (options and consumption tax not included).

■ BA series: Small-size arc-welding robot

The BA series of arc-welding robots adopts the hollow arm structure of the large-size B series, which has an excellent reputation in applications for spot-welding processes, in order to make cable routing easier than the conventional RA series. The arm configuration, optimized for arc welding, facilitates the handling of the wire feeder and cables, enabling stable welding wire feeding.

Product name	BA006N
Sales price in Japan*	3,000,000 yen
Arm type	Vertical articulated arm
Degrees of freedom	6 axes
Maximum reach	1,445 mm
Maximum payload	6 kg
Position repeatability	±0.05 mm

* Manufacturer's suggested retail price (options and consumption tax not included).

Launch of a Compact and Energy-saving Robot Controller

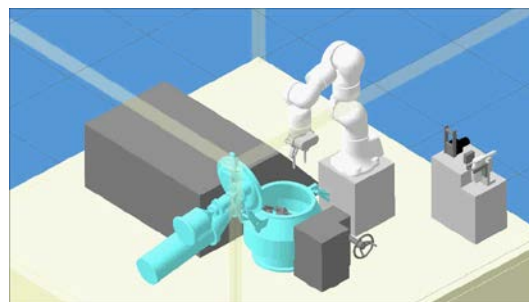
The newly launched controller, with a legacy of excellent operability and reliability from the conventional E series, is one of the most compact controllers in the industry, with low energy consumption. It supports the CP-series high-speed palletizing robots, CX-series large-size general-purpose robots, and BA-series small-size arc-welding robots that were launched on the same day, March 1, 2015, and will support existing models eventually as well.

The newly launched controller,



MEDTEC Japan

MEDTEC Japan will be held at Tokyo Big Sight from April 22 (Wed.) to 24 (Fri.), 2015, for three days. Held for the seventh time this year, MEDTEC Japan is the “largest Asian exhibition” related to the design and manufacture of medical equipment. We plan to demonstrate a robot made entirely of stainless steel, the MS005N, installed in the isolator, cleaning the inside of the tube of a high-speed mixer (granulation machine) and removing extraneous matter. In addition, we will display a small vertically articulated robot with built-in cables, the MC004N. We hope to see you at the Kawasaki booth during the event (East Hall 6, 3505).



Kawasaki Heavy Industries, Ltd.

Robot Division

1-1 Kawasaki-cho, Akashi City, Hyogo, Japan
Tel (078) 921-2946 Fax (078) 923-6548



URL: www.khi.co.jp/robot/