



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

International Robot Exhibition 2011

The International Robot Exhibition 2011 will be held at Tokyo Big Sight from November 9 (Wed) to 12 (Sat), 2011. This exhibition, which is held every two years, highlights the latest trends and developments in robotics. This year marks the 19th time the exhibition will be held.

Although the exhibition is held in Japan, a leader in robotics, it attracts robot manufacturers from all around the globe. The vast international gathering at the exhibition makes it the largest robotics trade show in the world.

Our company aims to use this occasion to showcase our cutting-edge robotics technologies. The main items we intend to highlight are our automated systems designed to handle small to large work pieces within the distribution process. We also plan to show off our image processing systems, sensor technology, and teaching programming support tools. All of our exhibits will present technology that is highly practical and capable of being readily implemented. We look forward to seeing you at the venue and giving demonstrations of what our products can do.



Here's a look at what we have lined up for this year's exhibition:

- (1) Demonstration of the YF03N, a parallel link robot designed to handle high-speed picking applications within the distribution process. We will also introduce K-Vfinder, a vision software used by image processing devices to recognize the geometry of work pieces, as well K-Vassist, an item of software designed to distribute data to multiple robots.
- (2) Demonstration of the RD80N, a new robot capable of palletizing and depalletizing bagged cargo. Along with the RD80N, we will also introduce K-SPARC, an application for K-ROSET (an off-line teaching software). K-SPARC is a simplified palletizing software designed to make robot programming easier. In addition, we will give a demonstration of the LSC (Laser Slit scan Camera), a device used to detect the position and orientation of bagged cargo.
- (3) Demonstration of the RS80N, a robot designed to perform 5-axis machining. We will also introduce KCONG, an item of software that automatically generates robot programs by using CAM-created NC data based on 3D CAD data.
- (4) Demonstration of the servo tumbler-R painting system (new painting system with the painting robot KF121 placed in the middle of the servo tumbler)
- (5) We will set up a special "hands-on" corner featuring a computer on which both K-ROSET and KCONG are installed. Visitors will be given an explanation of how each is used and allowed to try out the software for themselves.
- (6) In addition, we will collaborate with the following manufactures to display two robot system sets used with the RS05L:
 - Heatproof labeling system (YS tech Co., Ltd.)
 - Laser flaw inspection system (Sigma Co., Ltd.)

International Packaging Machinery Show

The Japan International Packaging Machinery Show 2011 will be held at Tokyo Big Sight from October 18 (Tue.) to 21 (Fri), 2011.



This is one of the largest packaging machinery exhibitions in Asia, and is specifically geared towards companies in the food industry. This year marks the first time we will participate in the exhibition. We aim to demonstrate how our robot automation technology for different aspects of distribution, such as picking and casing, can help improve the efficiency of the entire process. We will also showcase the parallel link robot YF03N and perform the same high-speed picking demonstration that will be given at the International Robot Exhibition. Feel free to drop by the venue and come see the demonstration.