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.

INQUIRIES

KAWASAKI HEAVY INDUSTRIES, LTD.
www.khi.co.jp/robot/

Tokyo Head Office/Robot Division
World Trade Center Bldg., 4-1, Hamamatsu-cho 2-chome, Minato-ku, Tokyo 105-6116, Japan
Phone: +81-3-3435-6908
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

KAWASAKI ROBOTICS (U.S.A.), INC.
28140 Lakeview Drive, Wixom, MI 48393, U.S.A.
www.kawasakirobot.com
Phone: +1-248-446-4100
Fax: +1-248-446-4200

KAWASAKI ROBOTICS (UK) LTD.
Units 6 & 7, Easter Court, Europa Boulevard, Westbrook Warrington WA5 7ZB, United Kingdom
www.kawasakirobot.uk.com
Phone: +44-1925-71-3000
Fax: +44-1925-71-3001

KAWASAKI ROBOTICS GmbH
29 Sperberweg, 41468 Neuss, Germany
www.kawasakirobot.de
Phone: +49-2131-34260
Fax: +49-2131-3426-22

KAWASAKI MACHINE SYSTEMS KOREA, LTD.
69BL-1LT, 638, Gojan-Dong, Namdong-Gu, Incheon, 405-817, Korea
www.kawasakirobot.co.kr
Phone: +82-32-821-6941
Fax: +82-32-821-6947

KAWASAKI ROBOTICS (TIANJIN) CO., LTD.
C-1-9, No.41, 5th avenue, TEDA, Tianjin 300457 China
www.kawasakirobot.cn
Phone: +86-22-5983-1888
Fax: +86-22-5983-1889

KAWASAKI MOTORS ENTERPRISE (THAILAND) CO., LTD.
(ROBOT DIVISION)
129 Rama 9 Road, Kwaeng Huay-Kwang, Khet Huay-Kwang, Bangkok 10310, Thailand
www.khi.co.jp/robot/th/
Phone: +66-2-247-7935-8
Fax: +66-2-247-7934

Agent

* Materials and specifications are subject to change without notice.

ISO9001 REGISTERED FIRM
DNV Certification B.V., THE NETHERLANDS

ISO14001 REGISTERED FIRM
DNV Certification B.V., THE NETHERLANDS

Cat. No. 3L2851 Oct. '11 Ⓜ
Printed in Japan

Kawasaki Robot

Kawasaki Robot K-ROSET

Simple and friendly

Kawasaki Robot Solutions

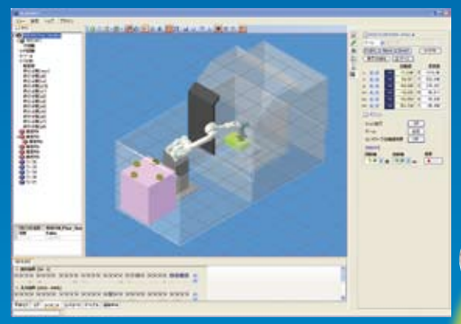
K-ROSET

Offline Programming Tool

Japan & Asia

K-ROSET Features

K-ROSET is Kawasaki's offline programming software tool. It allows you to display and examine 3D models of equipment instruments and products on a computer.
K-ROSET also lets you use your computer to program robots and perform simulations.
By employing K-ROSET in the planning phase, you can eliminate project risks before actually installing the equipment.
In addition, verifying robot operations preprogrammed by K-ROSET helps to reduce the amount of work time needed for production.
K-ROSET also lets you preliminarily test Kawasaki robot products designed to support various production processes, thereby helping you to better optimize your assets.



Handling

Virtual robot simulation technology

K-ROSET makes full use of the virtual robot controller technology we have developed through our years of experience in the industry. This technology enables K-ROSET to operate in practically the same manner as a robot controller working on a real production .

Enhanced robot system productivity

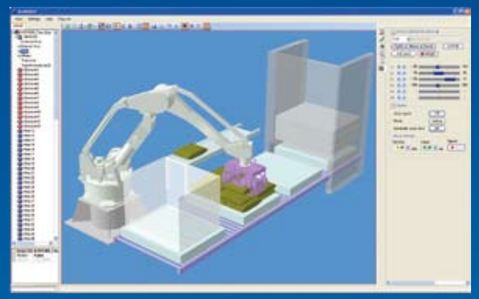
K-ROSET lets you display and operate virtual teach pendants on your computer. This enables you to optimize the production system while training and teaching, without inhibiting actual production.

Collision check and layout verification

Using K-ROSET, you can perform a preliminary check on your computer to determine whether items of production equipment collide with each other during operation. You can also use K-ROSET to verify the layout in advance, enabling you to prevent production equipment from being damaged by collision.

Video creation

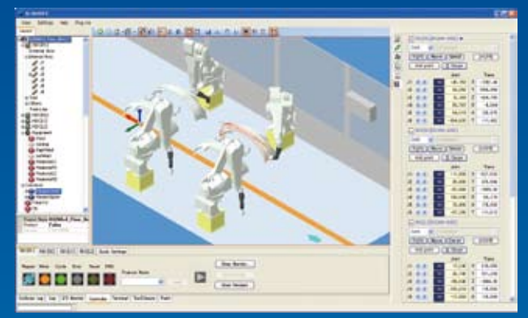
K-ROSET can save data from the model drawing area as a video file while running programs. This data can then be used to prepare documents for presentations.



Palletizing

Useful options

Using the simplified palletizing software K-SPARC (optional robot software), you can register work-pieces, pallets, and palletizing patterns. After registering this data, you can easily create robot programs. For details, contact your local sales representative.



Painting

Kawasaki Robot Solutions

K-ROSET

Y series

RD/ZD/MD series

K series

R series

Z series

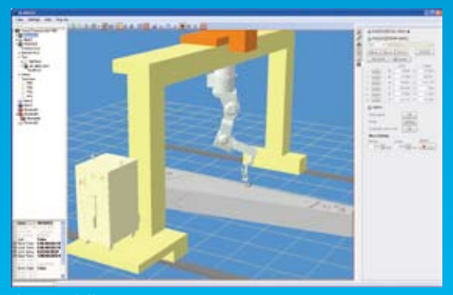
M series

RA series

Spot welding

Operation of multiple robots

K-ROSET can simultaneously simulate the operations of multiple robots that use different controllers.



Arc welding

Accurate operation trajectory and cycle-time

Teaching programs are run on the virtual robot controller, thus it is capable of reproducing highly accurate operation trajectories and cycle-time. Teaching programs created using K-ROSET are compatible with real machines, with no need for modification. The reverse is also true. In addition, K-ROSET makes it possible to correctly execute AS Language code on your computer, enabling you to minimize the amount of time needed for making adjustments in the field.

Displaying processing trajectories

Using K-ROSET, you can display the processing trajectories obtained when welding and painting instructions are executed. These are managed distinctively from the air-cutting trajectories.

Support for extended axis systems

K-ROSET can freely customize the external axis controlled by the robot controller, and then simulate the customized axis.

Importing CAD data

K-ROSET supports data in STL format, and can accept data that is output in STL format by a CAD tool. There is also an option available for converting IGES data to STL format.

Operating environment

Applicable OS	Windows® XP Professional x86, x64※1 Windows® Vista x86, x64※2 Windows® 7 x86, x64※3 Japanese/English
CPU	Intel® processor recommended
Memory	1 GB recommended for Windows® XP 2 GB or more recommended for Windows® 7
Resolution	1024 x 768 dots or higher recommended
Video card	Support for Open GL On-board mounting possible, NVIDIA® product recommended
Disk free space	1 GB or more
Media	CD or DVD drive
Application	Adobe® Reader® 7 or later
CAD format	STL（＊.stl） Option available for converting IGES data to STL format.

※1：Supported by Windows XP Professional (x86 SP3 or x64 SP2).
※2：Windows Vista Ultimate, Business, and Enterprise editions (SP1 or later) only
※3：Only supported by the Windows 7 Professional, Ultimate, and Enterprise editions.