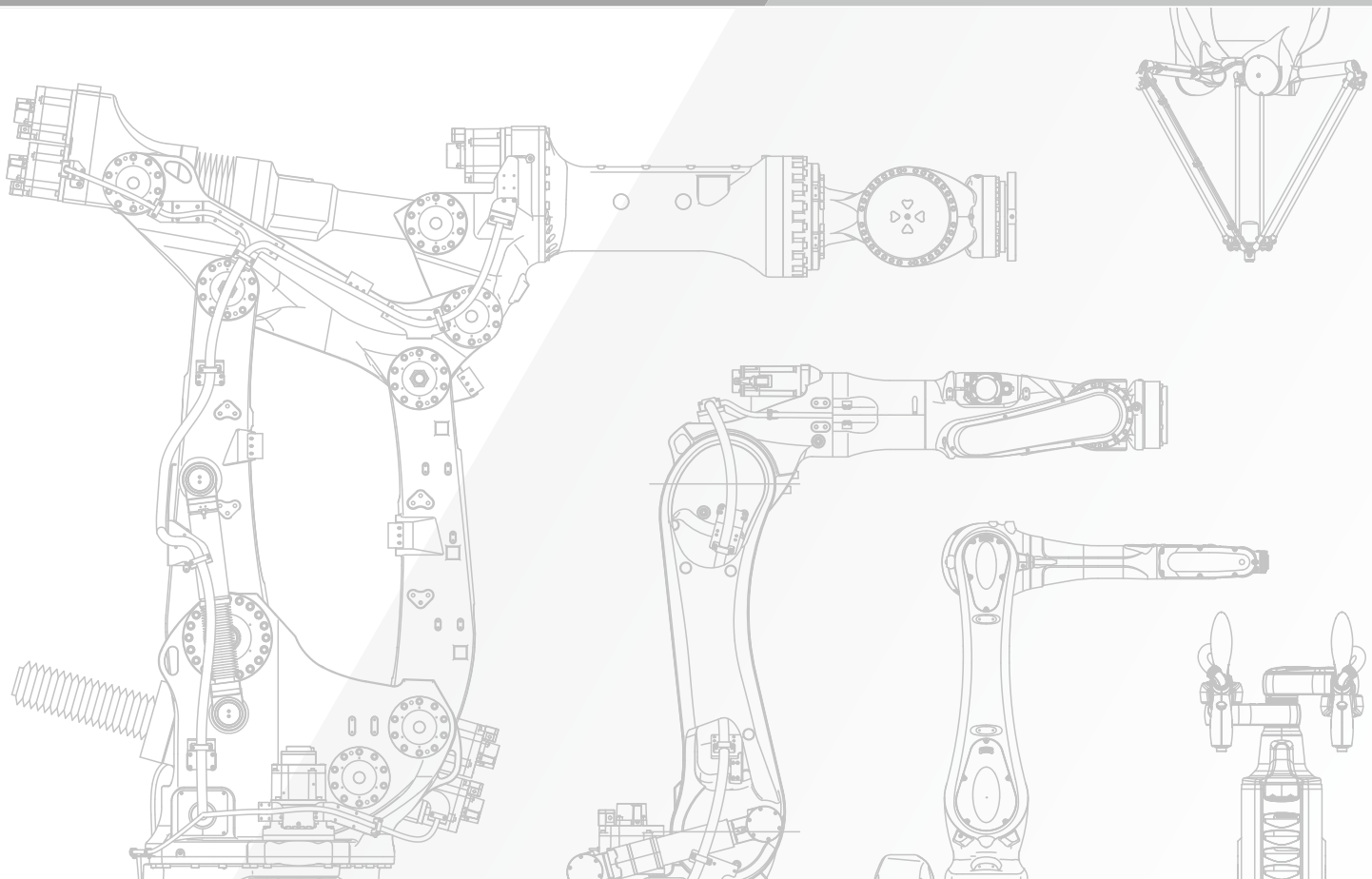


# Green Robotics

For a Sustainable Future



English Version



# Welcome to the World of Green Robotics

## Industry Leading Energy Efficiency

**Green Robotics – A Vision of Sustainable Automation:** With energy prices rising and sustainability becoming an increasingly important factor for our customers from all industries, Kawasaki Robotics EMEA will put the spotlight on its decisive advantages and innovation regarding the significant reduction of energy consumption in 2023.



**The Right Sustainable Solution for You:** Let us show you exactly what makes Kawasaki Robotics the perfect manufacturer and partner for an efficient, energy-saving and sustainable automation. Not only are our robots more efficient than anything else on the market, but we constantly improve their performance: Since 2015 our robots have become 25 % more energy efficient on average.

**Our state-of-the-art technology** makes it possible to operate our powerful multi-purpose industrial robots with impressive energy efficiency. 100 percent performance with at least 20 percent less energy consumption – compared to the best the current robotics market has to offer.

## No Compromise: Maximum Performance and Efficiency

Let us give you some examples based on our benchmarks as well available data:

The established Kawasaki Robotics E Controller enables our robots to perform with **at least 20 % higher energy efficiency** compared to the current robotics market. In addition, our latest F Controller generation allows for an even better performance:



### **BX Series: Large Payload Multi-Purpose Robots**

F Controller: At least **15 % less** energy consumption compared to E Series



### **RS Series: Small Payload Multi-Purpose Robots**

F Controller: At least **15 % less** energy consumption compared to E Series



### **CP Series: Palletizing Robots**

F Controller: At least **10 % less** energy consumption compared to E Series

Power Regenerative Function CP Series: At least **30 % saved additionally**

**About our Benchmarks:** All tests have been performed and confirmed using available models of our E and F Controllers for each robot arm. The same test program has been used on all configurations, ensuring the same axis values at all times.



**Energy Calculator:** Based on a large database of benchmark, the development of industrial energy prices in Europe and more, our own Energy Calculator tool allows our experts to show you precisely how much energy and costs you will save in any scenario.

**Talk to our experts:** Our team is more than happy to tell you more about the benchmarks performed and to share additional data with you - to support your sustainable automation.

Go to [our website](#) to find your local representative or write an e-mail to:

[marketing@kawasakirobotics.de](mailto:marketing@kawasakirobotics.de)

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For a Sustainable Future



<http://kawasakirobotics.de>



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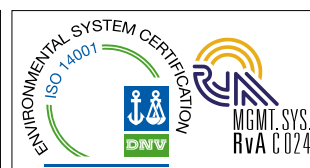
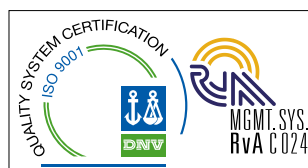
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## CAUTIONS TO BE TAKEN TO ENSURE SAFETY

- 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.



ISO certified in Akashi Works.