

QIROX QRC-300: the welding specialist

Agile and highly dynamic for short cycle times

HAIGER, July 2021 – The robot is the central element in the QIROX solution package of Carl Cloos Schweisstechnik GmbH. Users benefit from the modular design of the entire mechanics. All components of the robot, from the robot base to the wrist, are perfectly matched to each other. By using different component groups, users get a customised welding robot for every production requirement.

The models of the WM series are designed for standard welding processes. They are characterised by a compact design and act highly dynamically. Therefore, they are ideally suited for use in compact cells and systems.

The QIROX QRC-300 is a six-axis articulated arm robot. The robot is used in upright or overhead position and is mounted on a base or directly at a robot positioner. The QIROX QRC-300 robot has a classic wrist where welding torches and other working tools with a weight of up to 8 kg can be mounted. It takes over all MIG/MAG and TIG welding processes and optionally leads a laser sensor. The robot convinces with high dynamics due to slim product design, low weight and ergonomic shapes. In addition, it is characterised by repeatability, long service life and maintenance intervals.



Photo 1: The agile and highly dynamic QIROX QRC-300 robot is perfectly suitable for compact cells and systems.

**CLOOS Welding technology:
Robot and welding technology from a single source**

Since 1919, Carl Cloos Schweisstechnik GmbH has been one of the leading companies in welding technology. More than 800 employees all over the world realise production solutions in welding and robot technology for industries such as construction machinery, railway vehicles, automotive and agricultural industry. The modern CLOOS welding power sources of the QINEO series are available for a multitude of welding processes. With the QIROX robots, positioners and special purpose machines CLOOS develops and manufactures automated welding systems meeting the specific requirements of the customers. The special strength of CLOOS is the widely spread competence. Because – from the welding technology, robot mechanics and controller to positioners, software and sensors – CLOOS supplies everything from a single source.

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