

KUKA



KR CYBERTECH nano ARC.

Extremely fast and uncompromisingly precise.

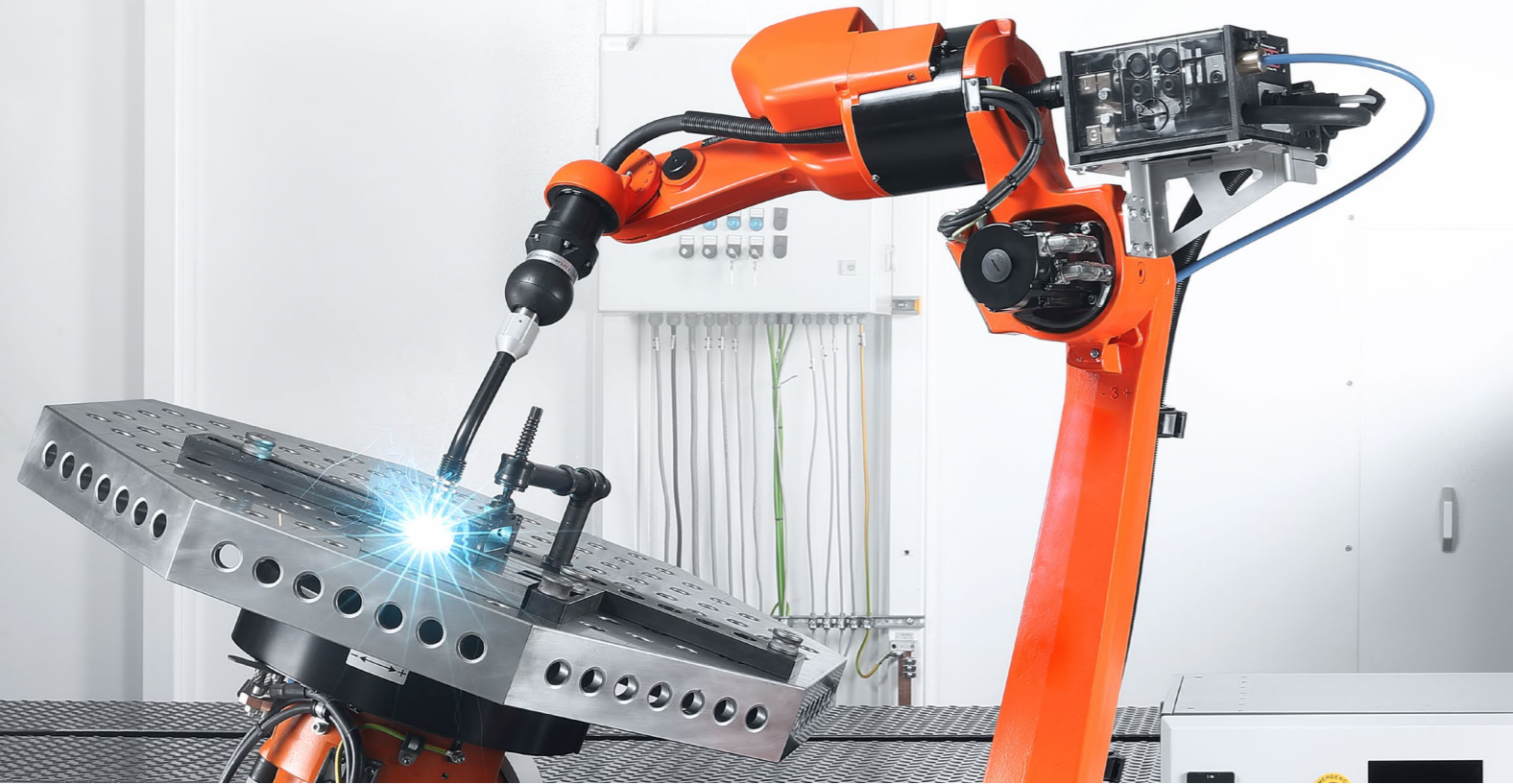


_Low payloads



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Maximum performance with minimal costs. The KR CYBERTECH nano ARC product family is optimized for CP applications. The industrial robots offer ideal performance combined with a high power density – for maximum economy at low cost. With their new controller structures, the industrial robots of the KR CYBERTECH nano ARC family have extremely high path accuracy and speed. The acceleration values and the new ergonomic design with minimized disruptive contours ensure continuous-path motion at the very highest level – even deep inside the workpieces. With very fine payload intervals of 6 and 8 kilograms, you will find the ideal robot model for your application.

The KR CYBERTECH nano ARC features “Path mode” as standard, which enables high-precision CP motion. It is also calibrated for positional accuracy before delivery.

click for more



Maximum precision. With their repeatability of 0.04 millimeters, the KR CYBERTECH nano ARC robots work extremely exactly and precisely even at high speed.

New KUKA hollow wrist. The 50-millimeter hollow-shaft wrist is a future-oriented innovation: the hollow axis allows reduced main axis motion with short cycle times and utmost precision of movement.

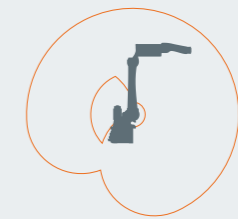
ESD protection. As standard, the robot is protected against uncontrolled electrostatic charging or discharging and is thus equipped for the safe handling of sensitive electronic components.

Simplified integration. Thanks to standardized mounting surfaces, the robot is easily integrated into existing production lines and allows the uncomplicated mounting of welding equipment.

High flexibility. The use of modern KUKA controllers facilitates the integration of external axes.

Maximum freedom. The KR CYBERTECH nano ARC robots have a large workspace to the rear and a long downward reach. This enables them to open up previously inaccessible workspaces.

Streamlined compactness. The industrial robots are particularly light, highly streamlined and exceedingly compact. They deliver maximum performance with minimal disruptive contours.



Reach
1,441 – 1,843 mm

Payload
6 – 8 kg

KR CYBERTECH nano ARC	KR 8 R1440-2 ARC HW	KR 8 R1640-2 ARC HW	KR 6 R1840-2 ARC HW
Controller	KR C5	KR C5	KR C5
Number of axes	6	6	6
Rated payload	8 kg	8 kg	6 kg
Reach	1,441 mm	1,641 mm	1,843 mm
Pose repeatability	±0.04 mm	±0.04 mm	±0.04 mm
Weight	167 kg	172 kg	175 kg
Installation position	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle



KR CYBERTECH nano ARC E. In the Edition variant, the KR CYBERTECH nano ARC E marks the entry into the world of welding automation. It has been created specifically for simple welding tasks. The KR CYBERTECH nano ARC E enables very cost-effective implementation of robot-based automation for processes of low complexity. At the same time, it is uncompromising when it comes to quality, accessories or software.

KR CYBERTECH nano ARC	KR 6 R1440-2 ARC HW E	KR 6 R2010-2 ARC HW E
Controller	KR C5	KR C5
Number of axes	6	6
Rated payload	6 kg	6 kg
Reach	1,441 mm	2,010 mm
Pose repeatability	±0.04 mm	±0.04 mm
Weight	195 kg	204 kg
Installation position	Floor, ceiling	Floor, ceiling



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