

# KUKA



**KR IONTEC.**

One robot - many applications.



\_Medium payloads



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With the KR IONTEC, you are opting for pure performance and the largest work envelope in the medium payload category. Maximum dynamics and minimum cycle times.

Whether mounted on the floor, on the wall, or in an inclined position, the KR IONTEC combines a compact design with optimum use of space. Equipped with a waterproof and dustproof in-line wrist and protected motors, it is suitable for almost every area of application. A Foundry option also enables use in extremely hot environments with an extended temperature range of 0 to 55 °Celsius.

KR IONTEC combines high output and a wide range of applications with a low total cost of acquisition, operation, and maintenance. This makes it a valuable investment in the future of your production.

click for more



**Adaptable to processes at the push of a button.** Thanks to digital Motion Modes, you can adapt the performance of the robot to various processes or substeps depending on the need for higher precision or speed.

**Lowest maintenance requirements.** With KR IONTEC, an oil change is only required every 20,000 operating hours. The robot also has an in-line wrist design without belts.

**Flexible cell and system planning.** The efficient use of the work area, the low space requirement due to a small footprint and the streamlined disruptive contour enable a compact cell design.

**Low inventory costs.** The robot requires 50 percent fewer spare parts than its predecessor model.

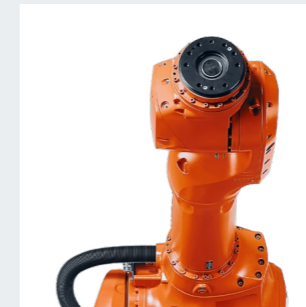
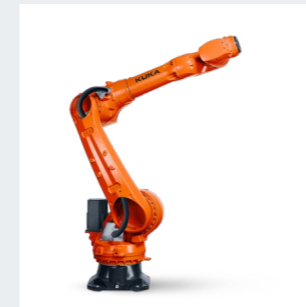
**Convertible payload capacity.** The payload capacity of the KR IONTEC can also be subsequently adjusted on a robot already installed – allowing for maximum flexibility in your production.

**Simplified start-up.** An optimized engineering tool and low training requirements using proven KUKA technology simplify start-up for you.

**Optimized energy supply system.** An A1 hollow shaft with a diameter of 119 millimeters ensures easy energy supply with a minimized footprint.

**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.

**Maximum availability.** The KR IONTEC has a technical availability of 99.999 percent with a mean time between failures of 400,000 hours.



Long reach. The enormous work envelope provided by the long arm and the long link arm of the KR 20 R3100 vastly expands the range of production options.



↔ **Reach**  
2,101 – 3,101 mm

📦 **Payload**  
20 – 70 kg

KR IONTEC	KR 70 R2100	KR 50 R2100	KR 50 R2500	KR 30 R2100	KR 20 R3100
Controller	KR C5, KR C4	KR C5, KR C4	KR C5, KR C4	KR C5, KR C4	KR C5, KR C4
Number of axes	6	6	6	6	6
Rated payload	70 kg	50 kg	50 kg	30 kg	20 kg
Reach	2,101 mm	2,101 mm	2,501 mm	2,101 mm	3,101 mm
Pose repeatability	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm
Weight	536 kg	533 kg	559 kg	533 kg	549 kg
Variants	CR lite, F, HO	CR lite, HO	CR lite, F, HO	CR lite	–
Installation position	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle

**CR lite** Robots with ISO 5 cleanroom class **F** Foundry variant **HO** Food compatible lubricants

The technical data in the table applies exclusively to standard versions.



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