KUKA

KR 4 AGILUS

New possibilities, shaped from greater functionality.

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Custom-tailored for maximum performance in production. High performance in any installation position and with minimal space requirements – the KR 4 AGILUS will impress you with its compact design, long reach and high precision.

The KR 4 AGILUS combines ultra-compact, interference-free design with optimum performance: with a payload capacity of 4 kilograms and a reach of 600 millimeters, the compact robot performs a wide variety of tasks, such as handling and assembly in the electronics industry or in small automation cells. It works reliably and precisely even with the shortest cycle times.

Multi-functional applicability, flexible positioning and unbeatable reliability – the new KR 4 AGILUS pushes back the boundaries of technical feasibility in small robotics. With a payload of up to 3 kilograms, it will not fail to impress with a top cycle time as fast as 0.4 seconds*. Whether handling, continuous-path motion or working with pinpoint accuracy – the KR 4 AGILUS simplifies the automation of compact and ultra-compact cells. Flexible in installation, highly precise in motion, economical in maintenance.

With just one type of robot, your applications will sustainably reach new levels of performance and efficiency. For maximum performance over the entire temperature range of between 0 and 55 °Celsius. Furthermore, the KR 4 AGILUS has an internally-routed media supply for air, power and data, enabling the quick and easy integration of peripheral devices. A robot of the latest generation, the KR 4 AGILUS operates with the KR C5 micro, incorporating state-of-the-art control technology from KUKA. In order to solve and control tasks more efficiently and intuitively.

*Cycle time according to the “Small Adept Cycle” reference standard

Speed. Cycle times as fast as 0.4 seconds

Durability. Suitable for use in temperatures from 0 to 55 °Celsius, equipped with protection rating IP 40 and ESD protection

Precision. Repeatability of 0.02 millimeters and improved continuous-path accuracy

Integrated energy supply system. Compatible with most supply systems
4 × 4 compressed air
1 × M12 8-pin (24 V, 2 A)
1 × M12 8-pin Ethernet (optional)

click for more

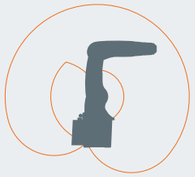
Utmost flexibility. Compact, interference-free design, flexible installation position and various interfaces for peripheral devices.

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 reliability. Particularly long service life and low servicing and maintenance requirements, e.g. thanks to fewer steps when exchanging cables.

Simple operation. Control via KR C5 micro and operation via the KUKA smartPAD.

Integrated media supply for air, power and data. For minimum disruptive contours and maximum reliability in operation.



Reach
601 mm

Payload
4 kg

KR 4 AGILUS	KR 4 R600
Controller	KR C5 micro
Number of axes	6
Rated payload	3 kg
Maximum payload	4.63 kg
Reach	601 mm
Pose repeatability	±0.02 mm
Weight	27 kg
Installation position	Floor, ceiling, wall, angle

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