


KUKA



KR AGILUS.

Custom-tailored for maximum performance.



_Small robots

KR AGILUS. Custom-tailored for maximum performance in production.

The KR AGILUS sixx is our compact six-axis robot designed for particularly high working speeds. Different versions, installation positions, reaches and payloads transform the small robot into a precision artist.

The KR AGILUS stands out due to its versatility that enables you to tap new fields of application. Irrespective of the installation position – whether on the floor, ceiling or wall – it achieves the utmost precision in confined spaces thanks to its integrated energy supply system and the new KR C5 micro controller. The Safe Robot functionality paves the way for innovative automation concepts. With a wide range of variants for operation in cleanrooms, potentially explosive environments, or with a particularly hygienic or splash-proof design: every version of the KR AGILUS is always precise and fast.



Hygienic Machine variant. The KR AGILUS is available as a Hygienic Machine. The design and the materials used in this variant are completely hygienic. This allows it to be used in applications involving direct contact with food and pharmaceutical substances.

Waterproof variant (IP67). In the Waterproof variant, the KR AGILUS is completely splash-proof and achieves maximum performance even in the case of extreme external production conditions. Plastic parts have been replaced with stabilized stainless steel covers and resistant surface treatments and additional seals in the interior of the small robot allow it to be used in a machine tool environment, for example.

Cleanroom variant. The KR AGILUS CR is suitable for use in cleanrooms and meets the requirements of cleanroom class ISO 2. The KR AGILUS CR can thus be perfectly integrated into the smallest of spaces and complex applications with strict cleanliness requirements.

EX variant. The KR AGILUS can be adapted to even the most extreme environmental conditions: with the KR AGILUS EX, we have added explosion protection to the Waterproof variant. With this design, the KR AGILUS can also work with maximum precision in potentially explosive environments (zone 2).

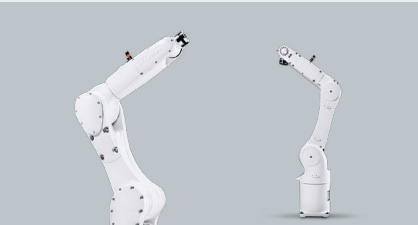
Agile in every environment. No matter how dirty, wet or sterile – the KR AGILUS achieves top performance in every production environment. A wide range of variants, such as Cleanroom, Hygienic Machine, EX – for potentially explosive environments – and Waterproof make it a specialist for many different tasks.

Extreme precision with any cycle time. Thanks to its robust design, the KR AGILUS achieves maximum repeatability and continuous precision. With its extreme speed, it reduces cycle times – and increases production quality, without ever breaking step.

Sustainably robust. Thanks to its lifetime lubrication, the KR AGILUS never needs a change of lubricant in the gear units and has minimal maintenance requirements. The robust design ensures continuous productivity.

Extremely compact. Inverted on the ceiling, sideways on the wall or fixed to the floor: the KR AGILUS adapts to any installation position. We have integrated the energy supply system so that you can integrate the six-axis robot into your space-saving cell concepts.

Protected against electrostatic charges. Electrostatic charges are a problem especially in electronics production. The KR AGILUS has ESD protection even in its standard version. It is thus optimally protected against charging.







Reach
706 – 1,101 mm






Payload
6 – 10 kg

KR AGILUS	KR 10 R1100	KR 10 R900	KR 6 R900	KR 6 R700	KR 10 R1100-2	KR 10 R900-2	KR 6 R900-2	KR 6 R700-2
Controller	KR C5 micro, KR C4 compact	KR C5 micro, KR C4 compact	KR C5 micro, KR C4 compact	KR C5 micro, KR C4 compact	KR C5 micro, KR C4 compact	KR C5 micro, KR C4 compact	KR C5 micro, KR C4 compact	KR C5 micro, KR C4 compact
Number of axes	6	6	6	6	6	6	6	6
Rated payload	5 kg	5 kg	3 kg	3 kg	10kg	10 kg	6 kg	6 kg
Maximum payload	10 kg	10 kg	6 kg	6 kg	11.1 kg	11.3 kg	6.7 kg	6.8kg
Reach	1,101 mm	901 mm	901 mm	706 mm	1,101 mm	901 mm	901 mm	726 mm
Pose repeatability	±0.03 mm	±0.03 mm	±0.03 mm	±0.03 mm	±0.02 mm	±0.02 mm	±0.02 mm	±0.02 mm
Weight	54 kg	52 kg	52 kg	50 kg	55 kg	55 kg	55 kg	53 kg
Variants	CR, EX, HM, WP	CR, HM, WP	CR, EX, HM, WP	CR, HM, WP	HO	–	HO	–
Installation position	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle	Floor, ceiling, wall, angle

CR Suitable for cleanrooms **EX** For potentially explosive atmospheres **HM** Hygienic Design **HO** Food compatible lubricants **WP** Splash-proof

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



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