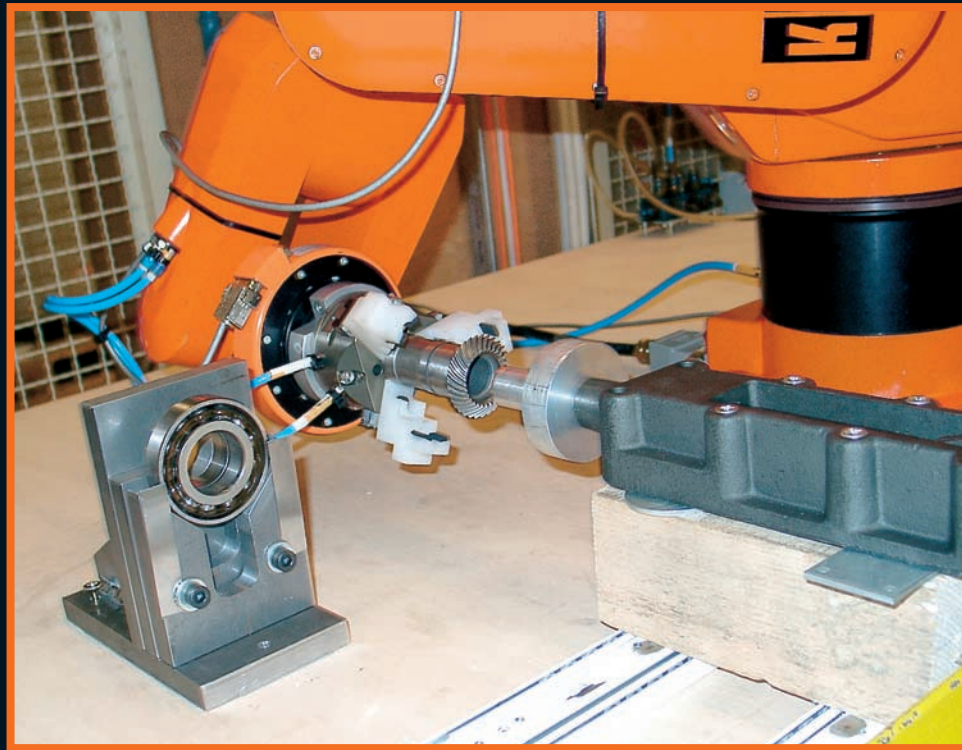


Compact design with tried-and-tested KUKA control technology. The KR C3: drive technology in a new smaller format. Operator control and programming with the KUKA Control Panel (KCP)



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Sensor-assisted assembly application

No liability accepted for errors or omissions



KR 3

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KUKA international:
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Hungary, Italy, Korea,
Malaysia, Mexico, Portugal,
Spain, Sweden, Switzerland,
Taiwan, Thailand, UK, USA

Our versatile all-rounder for small loads
compact – fast – reliable



RELIABILITY MADE BY KUKA.

The KR 3 tabletop robot is designed for lighter payload applications and smaller space requirements than the KR 6, and offers all the advantages of the KUKA controller concept.

Whether mounted on a special set of plates or installed directly on a table or a machine, thanks to its small dimensions the KR 3 can be integrated easily without unnecessary space consumption. With the possibility of inverted mounting, the KR 3 is also entirely in keeping with the time-honored KUKA tradition.

The KR 3 provides a powerful combination of high-speed flexible automation, high reliability and ease of use. This is due to its brushless DC servomotors, absolute encoders and high-stiffness harmonic drives, which make it one of the fastest and most durable robots in its class.



Fully integrated into the KUKA robot range.

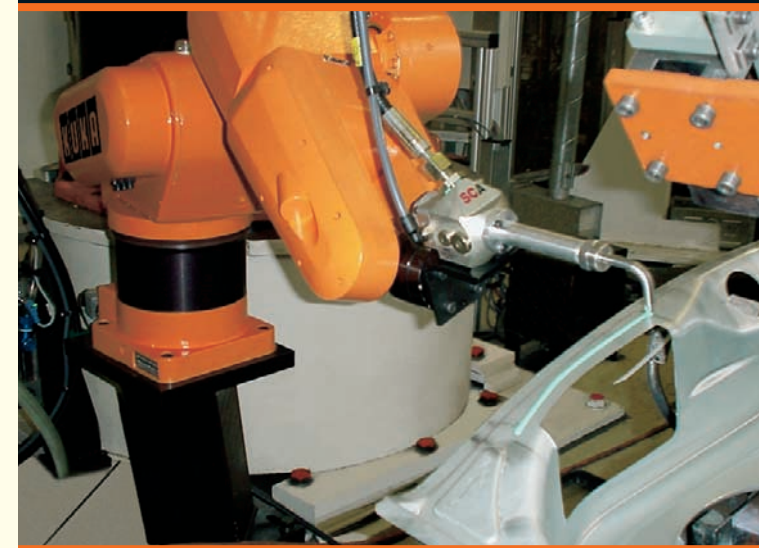
Thanks to perfect harmonization with the KUKA controller concept, KUKA offers the KR 3 with the same hardware/software interfaces and programming languages as all other KUKA robots from 6 kg up to 570 kg. Gone are the days when you had to learn different programming languages for different robots. Unlike other products, it no longer matters whether you choose to integrate, say, a KR 3 for parts handling first, or a KR 180 PA for end-of-line palletizing. With the KR 3, KUKA provides 100% compatibility, in order to reduce your training costs and ensure a homogeneous, operator-friendly user interface.

Compact, space-saving design with a large work envelope and integrated drive technology.

UNLIMITED APPLICATIONS.

Due to its versatility and flexibility, the KR 3 is at home in most of the manufacturing industries – automotive subsuppliers and non-automotive – and covers an extremely wide range of applications such as:

- Loading and unloading of CNC machines
- Integration into assembly lines for parts handling and pick&place operations
- Dispensing of glue, sealant or other materials
- Endurance-testing of components
- Polishing
- Cutting
- Drilling
- Deburring
- Arc welding



Application example:
the KR 3 applying adhesive to a body-in-white (small sheet metal parts are bonded onto the car's rear door).

FEATURES.

- Optimal work envelope for the handling of small parts
- The kinematic system also allows the robot to work "overhead" or to be mounted in inverted position
- Repeatability (± 0.05 mm)
- A single software concept for the entire KUKA robot range (from 3 to 570 kg)
- All standard software functions of the KUKA controller available, e.g. sensor integration, application technology packages, Soft PLC, etc.
- Reduced vulnerability due to enclosed design; cabling protected by covers
- ESC (Electronic Safety Circuit)
- PC-based
- The innovative drive concept of the power electronics in the robot arm has the following advantages:
 - Smaller control cabinet
 - Reduced cabling, resulting in simpler commissioning