


# KUKA



## Linear units.

Maximum productivity all along the line.



\_Linear units

# Maximum productivity all along the line.

**Maximize your productivity all the way down the line. KUKA linear units allow you to increase workspaces significantly.**

Another major advantage: the linear units are implemented as an external axis – which means that no additional controller is required. The KUKA product range covers every payload category and every requirement. The spectrum ranges from ceiling-mounted units to the high-speed variant and even linear units with a protective cover. You thus hold all the options for decisively expanding your success margin.

**Positionally accurate.** Up to four robots can be operated on one linear axis. Multiple robot positions on the linear axis allow optimal adaptation to existing requirements and workspaces.

**Flexible.** Long travel extends the work envelope by several times the reach of the robot. The linear units are ideal for linking production lines.

**Versatile.** Floor, ceiling and wall-mounted variants are available, as well as a cover to provide protection from dirt during operations in harsh environments.

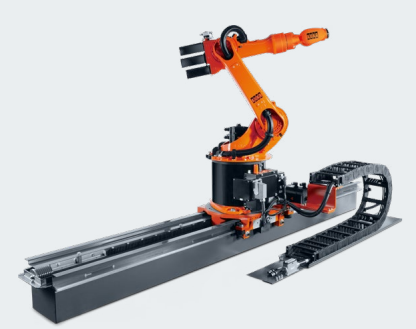
**Powerful.** Additional version with high torque (e.g. for milling applications) and a high-speed variant for tasks requiring extreme speed and short cycle times.

**Productive.** Moving workpieces/tools with additional carriages, driven or non-driven (tender carriages) help to shorten cycle times.



## KL 100

The KL 100 is the linear unit for the KR AGILUS robot series. It can be installed on the floor, ceiling and wall and supports up to 100 kilograms.



## KL 250-3

The KL 250-3 linear unit is suitable for the KR CYBERTECH robot series with a payload of up to 300 kilograms.



## KL 4000

Suitable for the KR QUANTEC, KR FORTEC, KR 300 PA and KR 470 PA series. The KL 4000 is our linear unit for loads of up to 4,000 kilograms.

Linear unit	KL 100	KL 250-3	KL 4000
Rated payload	100 kg	300 kg	4,000 kg
Number of carriages	max. 4	max. 4	max. 4
Rated travel	max. 30 m	max. 30.1 m	max. 30.4 m
Velocity with rated payload	2.48 m/s	1.47 m/s	1.89 m/s
Pose repeatability	±0.02 mm	±0.02 mm	±0.02 mm
Variants	–	CV	S
Installation position	Floor, ceiling, wall	Floor, ceiling	Floor, ceiling

**CV** Covered   **S** Speed


The technical data in the tables apply exclusively to standard versions.



## KL 5000

The KL 5000 linear axis is our additional axis for robots with high payloads. The KUKA Lubricate Kit simplifies maintenance. Lubrication of the toothed rack and running rail is completely automatic.




Linear unit	KL 5000
Rated payload	5,000 kg
Number of carriages	max. 4
Rated travel	max. 30.3 m
Velocity with rated payload	1.89 m/s
Pose repeatability	±0.02 mm
Variants	–
Installation position	Floor

 **Payload**  
5,000 kg

click for more





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