

KUKA



KR FORTEC.

Big on handling, cost-efficient in operation.



_Heavy payloads



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The KR FORTEC is our all-rounder among the heavy-duty robots. It is energy-efficient and dynamic for handling applications in the heavy payload range up to 500 kg. Thanks to its use of our well-known industrial robot concepts, it requires little maintenance when in operation. This gives the robot a high reliability factor in your production.

The new KR FORTEC can be expanded flexibly, is economical in its energy consumption and requires little maintenance. With its payload capacity, the robot fits seamlessly in between the KR QUANTEC and the KR FORTEC Ultra – thus rounding out KUKA's portfolio. It is predestined for use in the automotive industry and the general industry sector. Thanks to the KR FORTEC, you can standardize your production processes at a high quality level through the use of automated handling. The low total cost of ownership of the robot also contributes to the cost-effectiveness of your production processes.

click for more



Compact and powerful.

- Great performance in a small space
- Fast performance with low energy consumption
- Low cycle times thanks to higher dynamics
- Compact shape: perfect for work such as handling and spot welding

Modular design.

- Identical spare parts for three robot families: KR FORTEC, KR QUANTEC, KR FORTEC Ultra
- Flexibility when planning new tasks and production processes
- Cost reduction in the storage and development of different robot configurations

Low TCO.

- Low energy consumption
- Reliability: up to 400,000 hours of trouble-free operation (Mean Time Between Failures)
- Proven service concepts, familiar from the KR QUANTEC and KR FORTEC Ultra

Low maintenance.

- Little testing required: No TÜV inspection of the counterbalance necessary
- Maintenance work can be carried out quickly and easily thanks to optimized accessibility



Reach
2,800–3,400 mm

Payload
240–500 kg

KR FORTEC	KR 500 R2800-2	KR 420 R3100-2	KR 360 R2800-2	KR 340 R3400-2	KR 280 R3100-2	KR 240 R3750-2	KR 240 R3400-2
Controller	KR C5						
Number of axes	6	6	6	6	6	6	6
Rated payload	500 kg	420 kg	360 kg	340 kg	280 kg	240 kg	240 kg
Reach	2,800 mm	3,100 mm	2,800 mm	3,400 mm	3,100 mm	3,750 mm	3,400 mm
Pose repeatability	±0.08 mm						
Weight	1,671 kg	1,704 kg	1,660 kg	1,728 kg	1,687 kg	1,620 kg	1,597 kg
Variants	HI, F						
Installation position	Floor						

HI High Inertia (optimized for highest mass inertias) F Foundry variant

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



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