

KUKA



KUKA Palletizing Robots.





_Palletizing robots

Palletizing robots from the market leader. When speed is of the essence.

KUKA palletizing robots combine the largest possible work envelope, minimal interference contours, and maximum robustness. The portfolio covers payloads ranging from 40 to 1,300 kilograms. These robots are specifically designed for demanding palletizing and depalletizing tasks, delivering short cycle times, high throughput, compact footprints, and excellent cost-efficiency.

Powerful. KUKA robots are among the fastest palletizers on the market, offering exceptional precision and repeatability. Their streamlined design enables greater dynamics, shorter cycle times, and high throughput even in confined spaces.

Versatile. A wide range of different payload capacities, reaches, and special variants ensures the right solution for even the most challenging palletizing tasks. All interfaces and energy supply systems are designed for versatility.

Compact. The compact and streamlined design of all robots for palletizing enables their simple integration into existing systems. Their low interference contours extend the effectively usable workspace and allow innovative cell concepts.

Low maintenance. Components are equipped with low-wear drive trains. Thanks to their robust construction, the robots feature long maintenance intervals, 99.995 per cent availability, and maximum energy efficiency.



KR 40 PA



KR QUANTEC PA



KR FORTEC PA



KR FORTEC ultra PA

_Palletizing robots / Medium payloads

click for more



KR 40 PA



KR 40 PA

40 kg
2,091 mm
±0.05 mm

The KR 40 PA picks and packs your goods in record time. It can palletize with a total load of up to 40 kilograms and reach net stacking heights of up to 1.8 meters – all in a very small space. Cycle times are shortened significantly thanks to its low weight.

KR 40 PA	KR 40 PA
Number of axes	4
Payload	40 kg
Reach	2,091 mm
Pose repeatability	±0.05 mm
Weight	695 kg
Variants	–
Installation position	Floor

_Palletizing robots / High payloads

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KR QUANTEC PA



KR 240 R3200-1 PA
KR 180 R3200-1 PA
KR 120 R3200-1 PA
KR 240 R3200-2 PA
KR 180 R3200-2 PA
KR 140 R3200-2 PA

120–240 kg
3,200 mm
±0.06–0.07 mm

The KR QUANTEC PA robots are the most powerful robots in their class. The streamlined design and low weight enable unbeatable dynamic performance and precision. The KR QUANTEC PA robots are thus perfectly suited to challenging palletizing tasks with payloads from 120 to 240 kilograms and maximum reaches – including the Arctic variant designed specially for use in cold-storage rooms. They can be used to effortlessly stack multiple pallets to a great height.

KR QUANTEC PA	KR 240 R3200-1 PA*	KR 180 R3200-1 PA*	KR 120 R3200-1 PA*	KR 240 R3200-2 PA	KR 180 R3200-2 PA	KR 140 R3200-2 PA
Number of axes	5	5	5	5	5	5
Payload	240 kg	180 kg	120 kg	240 kg	180 kg	140 kg
Reach	3,195 mm	3,195 mm	3,195 mm	3,195 mm	3,195 mm	3,195 mm
Pose repeatability	±0.06 mm	±0.06 mm	±0.06 mm	±0.07 mm	±0.07 mm	±0.07 mm
Weight	1,103 kg	1,093 kg	1,075 kg	1,017 kg	1,017 kg	1,017 kg
Variants	A	A	A	HO	HO	HO
Installation position	Floor	Floor	Floor	Floor	Floor	Floor

* Only available as Arctic version to –30°C **HO** Food compatible lubricants
The technical data in the table applies exclusively to standard versions.



KR FORTEC PA



KR 470 R3200 PA
KR 340 R3200 PA

340–470 kg
3,200 mm
±0.08 mm

The KR FORTEC PA impresses with outstanding performance and particularly low operating costs. Its streamlined design makes it extremely agile. The robot also achieves optimal cycle times with a very high level of performance.

KR FORTEC PA	KR 340 R3200 PA	KR 470 R3200 PA
Number of axes	5	5
Payload	340 kg	470 kg
Reach	3,200 mm	3,200 mm
Pose repeatability	±0.08 mm	±0.08 mm
Weight	1,590 kg	1,590 kg
Variants	–	–
Installation position	Floor	Floor



KR FORTEC ultra PA



KR 800 R3200 PA
KR 550 R3200 PA

550–800 kg
3,200 mm
±0.08 mm

The KR FORTEC ultra PA is one of the palletizing robots in the heavy-duty category. In addition to its power, it impresses with its long reach and low operating costs. The robot stands for high performance with a compact design.

KR FORTEC ultra PA	KR 550 R3200 PA	KR 800 R3200 PA
Number of axes	5	5
Payload	550 kg	800 kg
Reach	3,200 mm	3,200 mm
Pose repeatability	±0.08 mm	±0.08 mm
Weight	2,050 kg	2,320 kg
Variants	–	–
Installation position	Floor	Floor



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