

KUKA



KR FORTEC

Absolute precision for a wide range of applications.



KR FORTEC. Heavy-duty robot with open kinematic system and unique payload capacity.



The KR FORTEC is our six-axis, heavy-duty robot for intelligent system concepts. Due to its top precision and outstanding reach, this heavy-duty industrial robot is particularly suited to handling heavy assemblies.

The dynamic KR FORTEC jointed-arm robot is intended for handling heavy components. When it comes to workspace, modularity, dynamism and repeatability, this heavy-duty robot is one of a kind on the market. With the FORTEC series, KUKA has developed a flexible solution for space- and cost-saving cell concepts. Various installation positions and special variants pave the way for innovative solutions that execute heavy-duty tasks with ease in various industries, yet particularly in the automotive industry. This involves the harmonious combination of extreme strength (FORce) and the latest technology (TEChnology): FORTEC.

Versatile and flexible. The FORTEC family provides you with a wide range of products for heavy-duty tasks, including variants for a large number of applications requiring resistance to heat, dust and water. A range of mounting positions allows for even more adaptability.

Powerful and efficient. Robots of the KR FORTEC series handle large and heavy components weighing up to 600 kilograms with great precision and ease. At the same time, they require very little maintenance and are characterized by cost-efficiency as a result.

Absolute precision. The KR FORTEC combines power and technology with a pose repeatability of 0.08 millimeters – for unbeatable product quality in the heavy-duty range.

Optimum utilization of the workspace. The new generation of heavy-duty robots is made up of FORTEC robots with a more streamlined design. This compactness enables the robots to enlarge their work envelope.



KR 360 FORTEC	KR 360 R2830	KR 280 R3080	KR 240 R3330
Controller	KR C5, KR C4	KR C5, KR C4	KR C5, KR C4
Number of axes	6	6	6
Rated payload	360 kg	280 kg	240 kg
Reach	2,826 mm	3,076 mm	3,326 mm
Pose repeatability	±0.08 mm	±0.08 mm	±0.08 mm
Weight	2,385 kg	2,415 kg	2,421 kg
Variants	F	F	F
Installation position	Floor, ceiling	Floor	Floor, ceiling



KR 500 FORTEC	KR 500 R2830	KR 420 R3080	KR 340 R 3330
Controller	KR C5, KR C4	KR C5, KR C4	KR C5, KR C4
Number of axes	6	6	6
Rated payload	500 kg	420 kg	340 kg
Reach	2,826 mm	3,076 mm	3,326 mm
Pose repeatability	±0.08 mm	±0.08 mm	±0.08 mm
Weight	2,385 kg	2,415 kg	2,421 kg
Variants	F	F	F
Installation position	Floor, ceiling	Floor	Floor



KR 600 FORTEC	KR 600 R2830	KR 510 R3080	KR 420 R3330
Controller	KR C5, KR C4	KR C5, KR C4	KR C5, KR C4
Number of axes	6	6	6
Rated payload	600 kg	510 kg	420 kg
Reach	2,826 mm	3,076 mm	3,326 mm
Pose repeatability	±0.08 mm	±0.08 mm	±0.08 mm
Weight	2,650 kg	2,680 kg	2,686 kg
Variants	F	F	F
Installation position	Floor	Floor	Floor

KR 500 FORTEC MT	KR 500 R2830 MT	KR 480 R3330 MT
Controller	KR C5, KR C4	KR C5, KR C4
Number of axes	6	6
Rated payload	500 kg	480 kg
Reach	2,826 mm	3,326 mm
Pose repeatability	±0.08 mm	±0.08 mm
Weight	2,440 kg	2,475 kg
Variants	F	F
Installation position	Floor	Floor

F Foundry variant



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