

KL 3000

Flexible. Long travel extends the work envelope by several times the reach of the robot.

Powerful. Works quickly and precisely, with maximum payload and robustness.

Versatile. A cover to provide protection from dirt during operations in harsh environments is available.

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

Specially for heavy payloads. This linear unit is suitable for robots with a payload from 700 kg to 1,300 kg.



Linear unit	KL 3000
Max. number of carriages	2
Rated payload	6,500 kg
Velocity with rated payload	1.45 m/s
Pose repeatability	<±0.02 mm
Number of axes	1
Variant	cv
Installation position	Floor
Mass of carriage	2,500 kg
Mass of beam per meter	720 kg
Min. rated travel	800 mm
Max. rated travel	29,800 mm
Max. gradation of rated travel	500 mm
Power transmission	Rack

Operating conditions

Ambient temperature	+10 °C to +55 °C
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Controller	KR C4
Teach pendant	KUKA smartPAD

Compatibility	Robots of the heavy payload category (700 to 1,300 kg)
	KR 700 PA, KR 1000 titan, KR 1000 L750 titan

cv Covered

