

Light, agile, strong!

KUKA Roboter has developed a new high-end performer for the plastics industry, putting all the competitors' solutions in the shade. The largest shelf-mounted robot in the world features astounding power, an unbeatable reach, and low height



Düsseldorf, Augsburg, October 2004:



Augsburg-based manufacturer KUKA Roboter appeared at K 2004 (Hall 04, Booth D34) with a world first. For the first time, visitors to the fair could see the new KR 210 L100 K-2, a weight-optimised, aluminum-based, shelf-mounted robot that combines maximum work envelope with minimum robot weight. With a payload capacity of 210 kilograms, the basic model of the KR 210 L100 K-2 can be fitted with an 800 millimeter arm extension. The payload capacity is then reduced to 100 kilograms. The horizontal working radius is 3,900 millimeters, while the downward reach for unloading is specified as 2,375 millimeters. The work envelope for this robot type has a volume of 183 cubic meters.

The KR 210 L100 K-2 is currently the world's largest shelf-mounted robot. Thanks to its aluminum construction, the KR 210 L100 K-2 is particularly light compared to conventional welded designs. This provides significant advantages for integration into an injection molding machine, when every kilogram counts. The KR 210 L100 K-2 is a six-axis system, and as a top loader it can carry out loading and unloading as well as complex finishing of the parts produced in the machine. The reason it is so suitable for use on injection molding machines is its large working envelope, which enables trouble-free reaching into molds, good materials handling and efficient movement to the peripheral stations. This new six-axis shelf-mounted robot from KUKA Roboter now puts all the competitors' solutions in the shade.

The KR 210 L100 K-2 supports standardized signal exchange in accordance with EuroMap interfaces 12 and 67.

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