The robot that moves people. The 6-axis kinematic system of the KR 600 R2830 passenger performs versatile and sophisticated dynamic motions while ensuring safe operation, irrespective of whether it forms part of a stationary, robot-based simulator or a conventional amusement ride.

Payload up to 600 kg

Highly dynamic amusement rides possible

Maximum flexibility

Payload up to 600 kg

Highly dynamic amusement rides possible

Maximum flexibility

= your solution

KR 600 R2830 passenger
KR C4 SC2 passenger
passenger gondola

Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee without reservation. The details given herein are determined by the subject matter of the specific contract. An existing project is subject to technical alterations. © 2018 KUKA
The KR 600 R2830 passenger and its KR C4 SC2 passenger controller impress with their extremely high precision that turns every simulation into a headline-grabbing attraction. No matter where it is active — in theme parks, family entertainment centers (FECs) or large amusement parks — the KR 600 R2830 passenger uses multi-flexible and highly dynamic motion sequences to deliver a breathtaking and thrilling amusement ride experience at the push of a button.

One robot, endless applications possibilities. KR thanks to its six freely programmable axes, the KR 600 R2830 passenger extracts a motion sequence with absolute precision and a highly dynamic performance. Up to three people can experience the hair-raising ride at the same time thanks to the overall payload capacity of 600 kg.

The technology integrated into each axis is outstanding: AC servomotors, built-in coordinate converters with electromechanical deceleration and an ISO mounting flange enabling various possibilities.

A control system for the future. Thanks to its six axes, the KR C4 SC2 passenger controller in the customised design, the KR C4 SC2 passenger is operated using the KUKA EasyMove® touch display with a fan powerful connecting cable together with a holder and intuitive communication.

Every single system is TÜV certified. Safety is at paramount importance at KUKA — especially when it comes to transporting people. This is evident in the fact that the KUKA passenger is licensed to carry passengers, being certified by the German technical insititute TÜV as conforming to EN 13814. Each and every robot system leaves our factory with TÜV-certified type and individual acceptance. In addition to mechanical stops, permanent electronic monitoring ensures maximum safety.

Absolutely safe and thrilling ride thanks to KUKA SafetyConfiguration. The safety configuration of the robot can be checked by way of a password-based authorization system. It is possible to monitor up to 16 configurable cells and fixed cell areas (PLf). The velocity of the robot is also permanently monitored. Up to 16 outputs (PLd) can be checked by a signal function. The KR 600 R2830 passenger also features a safe operational stop for the individual axes and axis groups as well as an automatic brake test (PLd). Moreover, there is a busy interface for integration into a six-axis control circuit.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>KR 600 R2830 passenger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated payload</td>
<td>600 kg</td>
</tr>
<tr>
<td>Max. reach</td>
<td>2,830 mm</td>
</tr>
<tr>
<td>Number of axes</td>
<td>6</td>
</tr>
<tr>
<td>Rated supply voltage</td>
<td>AC 3 x 400 V or AC 3 x 480 V</td>
</tr>
</tbody>
</table>

**Other options**

- Incl. gasoline-driven generator for up to 2 passengers
- Max. reach: 2,830 mm
- Rated payload: 600 kg
- Rated supply voltage: AC 3 x 400 V or AC 3 x 480 V
- Number of axes: 6
- TÜV-certified type and individual acceptance
- EN 13814 compliant
- CSEI compliant
- Absolutely safe and thrilling ride thanks to KUKA SafetyConfiguration
- Flexibility. Dynamism. Precision.