Seventh Axis

Increases the robot’s range of motion. By utilizing a shuttle system, a robot can be moved over long distances with a high dynamic range. Available in 7 different sizes, Rollon Seventh Axis is easy to integrate and can move any type of robot weighing up to 2000 Kg.

Simplified mounting and alignment
Thanks to a system of steel crosspieces and feet with two different adjustment systems.

Advantages

- Potentially infinite strokes
  Thanks to jointable, self-centering inserts.

- High quality components
  Designed with carefully selected high quality components: tempered racks with helical teeth, rails with recirculating rollers and planetary or hypoid bevel gearboxes.

- Protection for every work environment
  The Seventh Axis can be configured with different options to protect it from different types of environmental factors.

- Easily integrated with any type of robot
  A complete range of 7 different sizes guarantees simple integration for any type of robot, weighing up to 2000 Kg.

- Reliability backed by decades of experience
  Seventh Axis by Rollon was created from 40 years of expertise in designing and producing linear motion systems.

- New technology with aluminum profiles
  Each Seventh Axis structure produced by Rollon is designed to offer maximum rigidity and precision, thanks to a system of profiles in high rigidity extruded aluminum and other connecting crosspieces.

- Simplified mounting and alignment
  Thanks to a system of steel crosspieces and feet with two different adjustment systems.
Seventh Axis

**Components and Accessories**

- Rack lubrication system
- Connection plates for each robot
- Cable-holder
- Drive cover
- Drive / rail cover
- Two types of gearboxes
- Additional carriages with anti-collision systems
- Rail lubrication
- Rubber/gas decelerators
- Proximity
- Trafficable cover
- Connection plates for each robot
- Rack lubrication system

**Examples of Applications**

- **Palletisation**
- **Automation of machine tools**
- **Folding sheet metal**
- **Welding**
- **Gluing**
- **Painting**
## Seventh Axis

### Technical Features

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<td>Ball</td>
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<td>Drive</td>
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</table>

The data shown must be verified on the basis of the application.

* The values shown refer to the maximum dynamics reported in this table. The load capacities refer to floor mount version.

** The load capacities refer to floor mount version. For more information, contact the Rollon technical office.

*** Robot examples mentioned are approximate. For a correct choice and size of the robot contact the Rollon technical office.

### Mounting Options

- Wall mount
- Floor mount
- Ceiling mount
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