

TECH TRENDS



ROLLON at HANNOVER MESSE 2018: New solutions for industrial automation

The Italian company ROLLON (Hall 17, Stand C42) will be presenting its linear and telescopic rails, & actuators for linear motion, at the international trade fair scheduled from 23 to 27 April.

Rollon Group, present in India with a direct branch in Bangalore, is not limited to offering linear and telescopic guides and linear actuators, but has specialized in the production of mechanical systems integrated with the Actuator System Line. Emblematic is the example of the "Seventh Axis", a shuttle system available in seven solutions to increase the range of anthropomorphic robots up to 2,000 kg in

applications such as painting and welding in the automotive industry. Rollon products represent the ideal solution in the industrial machinery sector - from the assumption of cartesian robots and multi-station presses to sheet metal processing from pick and place in contained spaces - packaging and logistics, as well as transport and medical sector.

Seventh Axis System

Technical Features

Seventh Axis is designed to offer maximum solidity and precision, thanks to a system of profiles in high rigidity extruded aluminum and other connecting

crosspieces. The sliding system was designed with rails with recirculating rollers, and the drive system uses a pinion and tempered rack with inclined teeth.

Seventh Axis also has adjustable feet to obtain alignment also on surfaces that are not flush, and is complete with a cable-holder chain and end of stroke shock absorbers. The system can easily be integrated and assembled on any robot through a specific system of customizable connection plates and very long strokes. The entire system has several components like the lubrication system for the rack and rubber or gas activated decelerators, depending on the client's needs.

Seventh Axis guarantees maximum reliability for every work environment, also with applications involving residue from work processes, such as welding or painting. In fact, it is available in three different protection configurations: with a protected rack, with a light cover for





the rails and rack, and with a completely pedestrian trafficable cover.

Advantages

- Simplified mounting and alignment

Thanks to a system of steel crosspieces and feet with two different adjustment systems

- New technology with aluminum profiles

Aluminum profiles are resistant, light and easy to assemble.

- Potentially infinite strokes

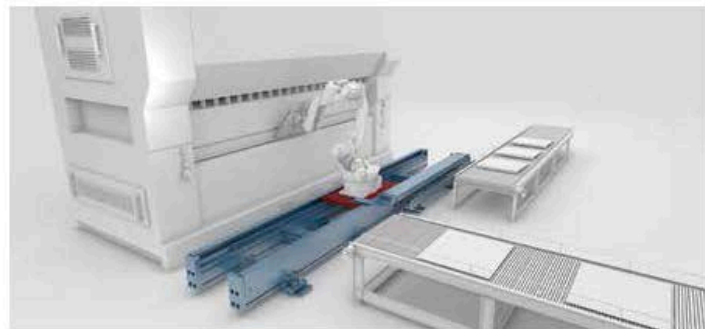
Thanks to precise jointed versions that are easy to build with self-centering inserts.

- Free-standing, wall-mounted or ceiling-mounted assembly

Each type of solution comes in three different configurations

The Rollon Group

The Rollon Group is based in Vimercate (MB-Italy) and has branches in Germany, France, the United States, China, India and Japan. It produces linear and telescopic rails, and actuators for linear motion in many sectors: industrial machines, packaging, railways, aerospace,



logistics, medical and special vehicles. Numerous end markets and a vast clientele are Rollon's strong points. The company is known for high quality standards in its products, attentive pre-sales support and precise product customization. Today, Rollon offers one of the most complete ranges of actuators in the world. The company is evolving to offer industrial automation solutions and integrated mechanical systems. Seventh Axis falls into this strategic context: as it provides the market with the most complete range of solutions for integrated automation, the company presents itself as a "global provider" for linear motion solutions.

You can find
Rollon India Pvt. Ltd.
and its solutions for linear motion
systems at:
Hannover Messe 2018
Hall 17 - Stand C42
April 23-27 Hannover, Germany.

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