

AUTOMATION

Rollon creates new design scenarios with its structural guides “Speedy Rails”

Following the acquisition of TMT, the Rollon Group has expanded its offering by adding a complementary product, able to offer a greater design freedom for many applications.

A linear motion solution which is also a structural product, able to create new design scenarios. Rollon, the Italian Group with a direct branch in Bangalore and in Germany, France, the United States, China, Japan, specialized in linear motion solutions, presents Speedy Rail: self supporting rails consisting of both a structural and a sliding system, thus ensuring a greater design freedom to designers for applications in the automotive, packaging, and the ceramic, marble, glass,

wood and metal processing industries.

Following its recent acquisition of the Milan based company TMT, Rollon has added yet another product to its offering with a complementary solution: the Speedy Rails are self-aligning structural rails made of hard anodized extruded aluminium profiles and steel bearings coated with a plastic compound. This combination makes the product highly resistant to dirty environments and to wear, ensuring a life of up to 80,000 kilometers with no lubrica-





tion or maintenance. The large sized rollers and the convex profiles make it the ideal solution for applications in the harshest environments, such as ceramic processing or welding. The plastic compound coating of the rollers also allows the smaller debris to be absorbed without adversely affecting its sliding quality.

The most significant benefit offered by the Speedy Rails is their self supporting property: tough and light, the aluminum profiles provide the frame for the sliding system without the need for bases or other supporting surfaces, thus giving designers the opportunity to work with different designs, creating new configurations for multiaxial Cartesian systems. The solutions also avoids the costs of an independent frame, the need to produce and fit a new linear rail above it, ensuring cost savings for our customers.

The Speedy Rails can be used as linear rails or actuators, and can be operated with a belt or with a rack and pinion system. They are available with V type and cylindrical rollers, in seven different sizes: 35, 48, 60, 90, 120, 180 and 250 mm. The rails ensure high speeds, up to 15 m/s, and great accelerations, up to 10 m/s², as well as an outstanding capability to control misalignment: ± 4 mm. The product also offers a great loading capacity, higher than 3,000 kg for gantry configurations with 4 cursors and 8 rollers. Lastly, the rollers made of a plastic compound ensure a very quiet operation, unobtainable with steel components.

Thanks to Speedy Rail's unique properties, Rollon can offer its customers an even more comprehensive range of products for the different applications and market needs, taking a step forward towards its growth and consolidation strategy as global provider for all linear motion solutions. 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.



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