

Flat and powerful: igus showcases the latest generation of linear axes

Spindle-driven linear axis drylin SLT-BB and spindle linear module drylin SLW-25120 at the drinktec 2013

At the drinktec 2013 in Munich, igus GmbH is presenting the drylin SLT-BB, a spindle-driven linear axis with an even smaller installation height, and the drylin SLW-25120, a spindle linear module for high loads. Both models have been specifically designed for machines and plant used in the food industry, having to fulfil specific requirements concerning installed size and load-bearing capacities.

drylin linear axis SLT-BB: Innovative design for restricted design space

A minimum linear axis installation height of only 20 mm and an installation width of only 45 mm can be achieved thanks to the innovative lateral positioning of the spindle next to the linear guide system. The compact design weighs only 0.15 kg with a manual or motor drive both being possible. With a maximum rotational speed of 1,000 rpm and a maximum linear speed of 1.5 m/min, movement can be fast as well as effortless and smooth. The ball-bearing spindle is available with trapezoidal or steep thread. Different thread gradients are available ex stock. The bearing clearance can be adjusted seamlessly using the drylin T-miniature slide TWE-04-12. The high capacity, compact design size and lubricant-free operation of the drylin linear axis SLT-BB makes it ideal for automation applications in beverage and food machinery including vending machines.

drylin SLW-25120:

The Atlas among linear modules

The drylin SLW-25120 is a new product in the igus linear module range which combines compactness and an enormous load-bearing capacity. This spindle linear module can transport up to 1,000 kg radial load. An axial load of up to 250 kg is possible. Despite this high load-bearing capacity, the module has a flat and compact design and is therefore easy and flexible to install. It is suitable for manual format adjustments as well as for electrical adjustment. It is connected to a motor either using a flange or coupling. Equipped with a torsion-resistant aluminium double-shaft profile, a hard-anodised rail and thermoplastic high-performance plain bearings, this linear module guarantees high stability and a maintenance-free drive. The low-profile and sturdy design make the drylin SLW-25120 ideal for demanding positioning tasks.



Photo PM3713-1:

The "drylin SLW-25120" for high loads up to 1,000 kg. The new dry-running linear module from the SLW range is extremely sturdy and yet requires little space thanks to its compact design height. (Source: igus GmbH)

The drylin range for lubricant-free drive engineering

Since all the bearing spots of the drylin products manage without lubricant and are characterised by outstanding wear-resistance, they are simply ideal for use in soiling-sensitive applications such as those found in the food industry. In addition, their maintenance freedom guarantees significantly lower operating costs.



Photo PM3713-2:

The "drylin SLT-BB" from the new "slim line" generation of flat, lubricant-free linear axes. The lateral positioning of the spindle makes a particularly small design height possible. In addition to the steep thread shown, a version with trapezoidal thread is also possible. (Source: igus GmbH)

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About igus®:

The igus GmbH is a world's leading manufacturer in the field of energy chain systems and polymer plain bearings. The family-run company is based in Cologne, represented in 29 countries and contracts 2,200 employees worldwide. In 2012 igus generated a turnover of 399 million Euro. igus operates the largest test laboratories and factories in its industry to offer customers innovative and tailor-made products and solutions within the shortest time.

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