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MOTION & CONTROL
NSK



Listen!

Less running noise for quiet
working conditions.

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Linear technology
for the packaging industry



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Progress on the highest level

The sure way to get everything packed – linear technology for low-noise, reliable, cost-oriented production processes



NEK: Always the right solution

Your products are unmistakable. Something your customers should realize straightaway. When they see the packaging. This calls for maximum precision in your production processes. With our linear technology product solutions these are the hallmarks of our products. Because our engineers work strictly to the requirements of our customers right from the development stage. Our staff are at your service worldwide, delivering high-quality and innovative work in the field of linear technology.

Translide – The best seller

We've got it! Maintaining the required accuracy and reliability of your production processes is a task that requires a lot of effort. 37% of the effort is spent on the design and in the manufacturing process. The focus on the development of these linear guides has been the reliability for this reason all of them are equipped with the K1 lubrication system and the 3-lips High Performance Seal.

LH-LS/SH-SS – The ultimate technology for packaging

The LH series present a big load carrying capacity, and the LS series is a compact linear guide for reduced spaces. You will find the mounting of these linear guides is very easy due to the self-alignment ability and the ball retainers of the sliders. The SH and SS series are the evolution of the LH and LS series, with spacers between the balls, which will make run your packaging machines with incomparable smoothness and reduced noise. These features will help you to improve even more the image of quality of your equipment.

K1 – Forget the maintenance

K1 is a revolutionary system of lubrication. It is a porous resin containing 70% in weight of mineral oil. The K1 lubrication system will allow your linear systems to run more than 40.000 km without maintenance. The reliability of your machines will be even more improved, and the savings in maintenance about € 7.700 in each linear system every five years.

Mechatronics at your service

The NEK linear guides and ball-crowns have been applied to the construction of the Robot Modules, in order to allow a repeatability of $\pm 0,01$ mm over the entire life time. Our Robot Modules can position precisely loads of up to 300 kg over strokes of up to 2.000 mm. NEK

Features:

- long life
- high load carrying capacity
- available in sizes 6 to 25
- interchangeable

Advantages:

- easy mounting (self alignment and ball retainers)
- high load carrying capacity
- available in sizes 6 to 25
- outstanding resistance against impact loads
- rail and slider interchangeable
- reduced noise
- very smooth running
- K1 lubrication system available
- prompt delivery

Advantages:

- effective sealing function
- free-maintenance lubrication
- cost saving
- inexpensive solution
- gives big reliability
- available also in accordance with the FDA (Food and Drug Administration)
- applicable to all the linear guide models

NEK controller, which allows to program a number of various tasks. The NEK Megatorque Motors perform the circular positioning at the highest level. The high positioning accuracy and repeatability has been combined with the flexibility and reliability of the new NEK controllers. The Megatorque Motors can apply forces up to 1000 N, and have a maximum speed of 1.6 m/sec.



Translide linear motion bearings



LH-LS/SH-SS



K1 lubrication units



Robot Module



Megatorque Motors

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