

2-in-1 Guiding and measuring in a very small footprint

Schneeberger presents its unique product family

Schneeberger will be exhibiting one of the most innovative product families for medical technology and laboratory automation at IFAS in Zurich from October 25 - 27, 2022 . The "Scale" products meet customer requirements for miniaturization and maximum precision for high-tech devices by integrating the path length measuring system into the linear bearings. The miniature guideways can therefore be installed in the smallest possible space and offer high rigidity combined with the best performance. The "Scale" product family is perfect for any kind of med-tech application and is used in laboratory automation, diagnostics and ophthalmology, for example.

In high-tech industries such as medical laboratory equipment, optoelectronic devices, electronics and metrology, nothing is as important as process reliability and the highest possible quality coupled with optimum cost-effectiveness. Schneeberger's "Scale" products precisely meet this need. The complex metrology, including an optical sensor, is integrated into the carriage, and the measuring scale is attached directly to the linear rail. As a result, the entire system requires minimal space in the unit.

The compact design with an integrated sensor in the rail ensures high running smoothness and a consistent and perfectly precise and reliable process. A further advantage for the customer is the low design cost, as there is no need to install and calibrate a separate distance measuring system. The "Scale" products are delivered ready to install for a quick and easy installation. These characteristics make the integrated optical path length measuring system a suitable partner in medical technology and bioengineering.

As an innovation leader, Schneeberger develops the most effective solution together with the customer. If, for example, the linear bearing and the path length measurement cannot take up much space in the device, the "Scale" products can be flexibly adapted to the customer's requirements. Making the impossible possible.

The company has been designing and manufacturing the highest quality linear bearing products for 99 years and is an industry partner from concept, design to implementation. Schneeberger supplies well-known original equipment manufacturers (OEMs) in various industries worldwide – from machine tool, solar technology and semiconductor technology to electrical engineering, medical engineering and more. The product and manufacturing range includes linear bearings and profiled linear guideways as well as measuring systems, gear racks, slides, positioning systems, mineral casting and ball screws.

Further information:

- [Medical technology : Industries \(schneeberger.com\)](https://www.schneeberger.com)
- IFAS Zurich, October 25 - 27, 2022, Hall 6/ Booth K23

The SCHNEEBERGER Group

SCHNEEBERGER® serves original equipment manufacturers operating (OEM) in various industries worldwide – from machine tool, solar technology and semiconductor technology to electrical engineering and medical engineering and others. Linear bearings, profiled linear guideways, measuring systems, gear racks, slides, positioning systems and mineral casting are all part of SCHNEEBERGER's product and manufacturing range. A.MANNESMANN has been part of the SCHNEEBERGER Group since October 2017. A.MANNESMANN is a leading supplier for the production of ball screw drives, telescopic actuators and drill spindles. A further expansion of the SCHNEEBERGER Group, an additional site was founded in Poland in 2020. The new company SCHNEEBERGER Components Poland produces precision parts for the entire group. Also as part of its strategic development, the Business Unit Systems has established the company "SCHNEEBERGER Precision Motion Systems (Shenzhen)". With the establishment of the new technology center for systems in Shenzhen with development, production, sales and service, SCHNEEBERGER will be closer to its Asian customers and thus be able to serve them even better with high-precision single and multi-axis systems.

Photos

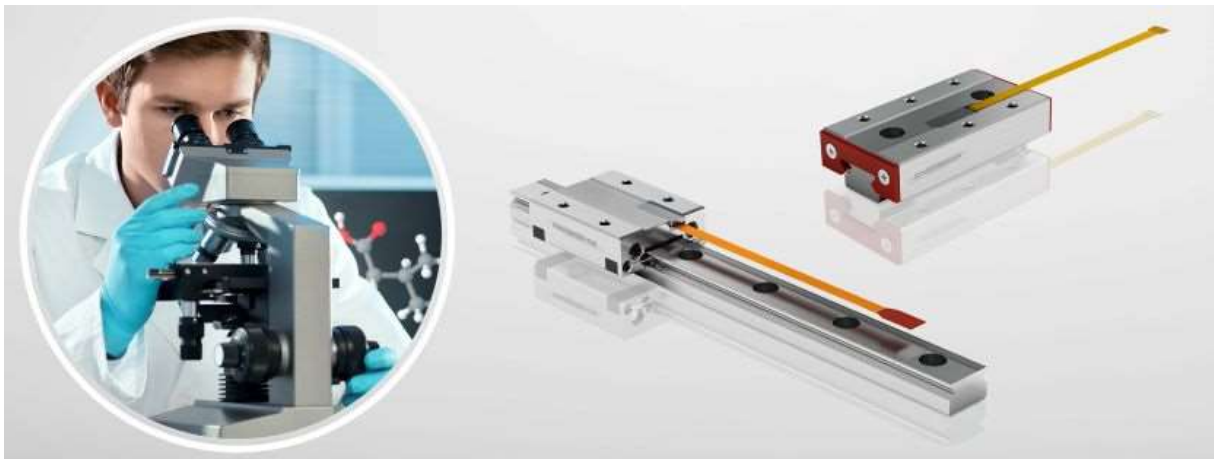


Image 01: A unique product from SCHNEEBERGER: Guidance and measurement in a very small footprint, the path length measuring system is integrated into microscopes, for example.

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