

Press release for "MINISLIDE MSQscale micro frictionless tables"

## **SCHNEEBERGER MINISLIDE MSQscale**

### High-precision guidance and measurement in a single unit

*The newly developed MINISLIDE MSQscale linear guideways from SCHNEEBERGER provide extremely precise guidance while also meeting stringent cost requirements. The key to this is the combination of guidance and measurement in one compact unit, thereby significantly reducing the cost of construction and installation. That saves users time and money.*

Process reliability, top quality and optimal cost-effectiveness are vital in high-tech industries such as device assembly, electronics, optoelectronic devices, medical laboratory apparatus and metrology instrumentation, and others. The latest MINISLIDE MSQscale linear guideways, from the Swiss firm SCHNEEBERGER, are designed to meet exactly these needs. They combine guidance and measurement in a single unit, and are now available for travel distances of up to 102 mm.

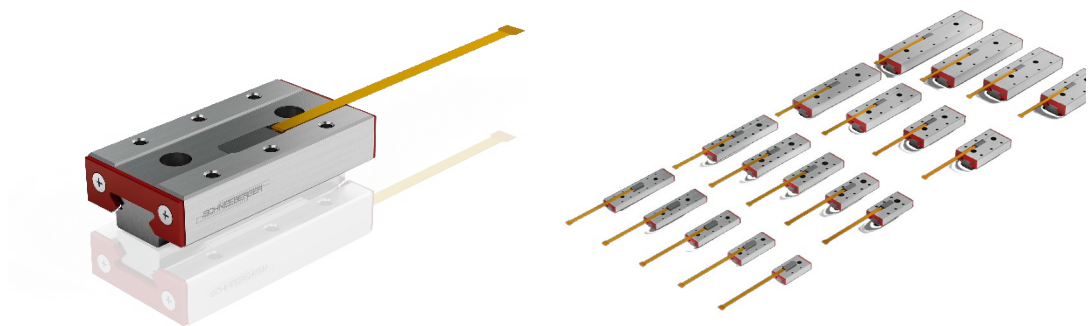
All the complex instrumentation, including optical sensors, is integrated into the carriage, and the measuring scales are attached directly to the rails. The resulting unit is very compact, making it very easy for OEMs to incorporate MSQscale linear guideways in a variety of their machines and systems.

Installing this modern, two-in-one solution from SCHNEEBERGER is equally easy, because the linear guideways are supplied ready to use. That eliminates the usual need for additional components, such as glass scales, to be mounted, as well as the calibration of the read head or alignment of the measuring scale.

Based on its optimal, factory set alignment, the Swiss company guarantees extremely high precision and efficiency right from the start. For example, the MSQscale boasts running accuracy in the micron range.

Another attractive feature is that acceleration of up to 300 m/s<sup>2</sup> and speeds of up to 3 m/s can be achieved reliably and consistently with the new linear guideways. The key to this is the special design with integrated cage control that is used in all linear guideways in the MINISLIDE MSQ series. This eliminates the "cage creep" effect. Mechanical stroke limitation gives the mechanism additional protection.

SCHNEEBERGER also views its smooth, easy motion as a major benefit. This is primarily due to the quality of the surfaces, and the materials used.

**Caption**

*B01: SCHNEEBERGER launches the new MINISLIDE MSQscale series of linear guideways. They combine high-precision guidance and measurement in a single unit and are designed for very demanding applications in a range of high-tech industries.*

## 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 ballscrew drives, telescopic actuators and drill spindles. A further expansion of the SCHNEEBERGER Group, an additional site was founded in Poland. The new company SCHNEEBERGER Components Poland (SPO) officially started on November 19, 2020 and has already commenced operations, producing precision parts for the entire Group. The core competence lies in the production of rolling bearing rollers. 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.

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