

Schneeberger positioning systems press release

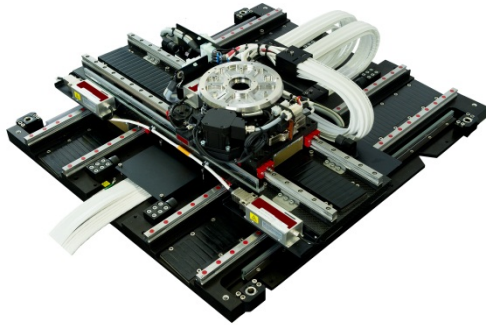
Customer-specific positioning systems with a high degree of purity

Positioning systems used in particularly demanding branches of industry such as semiconductor technology, medical engineering, and solar technology must guarantee the highest level of precision and reliability whilst at the same time maintaining an extremely high degree of purity. These are requirements that Schneeberger Linear Technology is able to meet as effectively as possible via its customer-specific solutions. This is possible in no small part thanks to a new clean room designed specifically for the production of these systems.

Thanks to its high-performance positioning and movement systems, Schneeberger is one of the leading companies in the industry. At the same time, the Swiss leader in innovation is home to specially modified products which can be utilised in various branches of industry such as semiconductor technology and medical engineering. In addition to precision and reliability, these customers also require a particularly high degree of purity. To ensure this, Schneeberger has invested in a new clean room in accordance with ISO 6; this clean room is exclusively used to produce positioning systems which must meet especially stringent requirements regarding the degree of purity maintained.

Of course, it isn't just the delivered condition of the positioning and movement units which is decisive for their level of purity during the subsequent production process at the site of the customer. After all, any site involving mechanical motion will give rise to friction, which in turn causes wear and abrasion. The technicians and engineers at Schneeberger know exactly where mini particles such as these may be formed, and have therefore developed systems which keep these particles out of the production process.

This is accomplished, for example, via a static charge at local abrasion points; in essence, these points are formed when the ball bearings in the linear bearing system move. Using Schneeberger technology, even the finest particles are bound at the point of abrasion and kept clear from the production process. Silicon sheaths are beneficial at another point of friction, namely the energy chains. This can significantly reduce the formation of particles.



C01: Schneeberger can supply the right positioning system to suit every purpose. Solutions that fulfil even the highest requirements with regard to purity are developed for customers in the semiconductor technology, medical engineering and solar technology industries.

SCHNEEBERGER group

SCHNEEBERGER® operates worldwide as an established OEM supplier in a wide variety of sectors – from the solar, semiconductor and electrical industries to the machine tool and medical devices sectors, and beyond. The product and manufacturing program includes linear bearings and profiled linear guideways as well as measuring systems, gear racks, slides, positioning systems and mineral casting. A.MANNESMANN, headquartered in Remscheid, Germany, has been part of the SCHNEEBERGER Group since October 2017. werotec ag, headquartered in Reigoldswil, Switzerland, has also been part of the SCHNEEBERGER Group since early 2018. werotec ag's core competence lies in precision grinding technology and in the complete production of anti-friction bearing rollers.

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