

Press Release

OWIS® High-Precision Linear Stages: the new LIMES 124N family

Staufen, 22.06.2017 | With its high-quality equipment, the LIMES family belongs to the first choice within the OWIS® linear stages. After the market launch of the LIMES 84N last year, the product optimisation within the LIMES family is continuously pursued. The newly developed high-precision linear stages LIMES 124N replace the LIMES 122 and LIMES 124 and combine proven characteristics with new features. Optionally, the LIMES 124N-IMS are available with a high-resolution, integrated measuring system with the same dimensions.

With their excellent positioning properties, the LIMES 124N are suitable for a wide range of applications, for example in research and development where highest precision is required. Due to their suitability for continuous operation, the positioners find application in the industrial sector. In addition, they are also appropriate for use in confined spaces with a design height of 38 mm.

The new LIMES 124N are equipped with ball screw and recirculating ball bearing guides for a high-precision positioning with very long lifetime. These also ensure optimum motion even at high loads. The black anodised protective coating of the aluminium parts is highly resistant and prevents almost all reflections or stray light.

For the protection of damper and encoder the motor is almost completely encapsulated while the possibility of manual adjustment is retained. Furthermore, all versions are equipped with a uniform 26-pin connection. Thereby, OWIS® control units automatically detect which motor type is used. Additionally, the connector is also used for the complete processing of the measuring system.

The new positioners are available in different travel ranges from 30 mm up to 290 mm. To allow flexible working all linear stages of the product line LIMES 124N can be combined and mounted arbitrarily with each other. Vacuum-prepared versions are available on request. As all OWIS® products, the LIMES 124N are developed and produced "Made in Germany".

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About the company OWIS GmbH

The company OWIS GmbH was founded in 1980 and is headquartered in Staufen near Freiburg, in the southwest of Germany. The medium-sized family-owned enterprise with more than 50 employees offers worldwide optical beam handling systems as well as standard and application-specific positioning systems. With its own development and an ultra-modern manufacturing facility "Made in Germany" OWIS® is a global leading manufacturer of these systems.

OWIS® products are at home everywhere: in life sciences, in information technology and communications, image processing and mechanical engineering as well as in many other branches.



Photo: OWIS® LIMES 124N family.

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