Press release  
Staufen im Breisgau, June 5, 2025

**GANTX – the gantry with the X for your requirements**

**With GANTX, OWIS presents an XYZ gantry system that is as flexible as your requirements. Travel distances, degrees of freedom, design, interfaces – GANTX knows no fixed limits. Two synchronized gantry axes in the X direction and a Z axis on the bridge axis enable precise, overhead positioning, which is particularly advantageous for large areas and heavy loads. The measurement object remains stationary. And best of all: X stands for exactly what you need – OWIS adapts GANTX precisely to your application.**

**Proven technology. Clever design.**GANTX is based on the proven LINPOS series from OWIS. It combines ironless linear motors with high-resolution absolute measuring systems and precise recirculating ball bearings. The result: repeatability < 0.5 µm, positioning accuracy < 50 µm, and speeds of up to 1,400 mm/s with a maximum acceleration of 10 m/s², even with high loads. One design advantage is that it is the measuring or processing head, rather than the measuring object, that is precisely positioned. The sample itself remains stationary, which is essential for sensitive, large-area or difficult-to-fix objects.

**Flexible in use. Precisely adjustable.**GANTX was developed for high-precision positioning tasks requiring maximum dynamics over large areas. The system is ideal for demanding automation and manufacturing applications, such as micropositioning, micromachining, semiconductor technology, optical metrology and inspection. OWIS customizes each GANTX to fit perfectly: with freely selectable travel ranges, optional granite base, or additional axes from the OWIS modular system. System integration is also designed to be flexible. Integrated cable management, parameterized motor drivers, and interfaces such as EtherCAT and CANopen ensure smooth connection to existing automation architectures. X becomes fit.

**Individually designed. Made by OWIS Engineering.**With GANTX, OWIS demonstrates its ability to develop and implement complex multi-axis systems efficiently and to a high standard. Customers benefit from direct communication, sound engineering expertise, swift implementation and personalized support. This is what   
Dr. Dominik Zimmermann and his team at OWIS Engineering stand for. Their expertise is evident in every detail, in the familiar OWIS quality. 'Made in Germany' goes without saying.

“With GANTX, we are opening up new fields of application and offering a powerful platform for demanding positioning tasks,” explains Dr Dominik Zimmermann, OWIS's Chief Business Development Officer. 'For us, X stands for maximum adaptability — through modular technology, individual configuration and close communication with our customers. This allows us to create the right solution for every requirement.”

The new GANTX is available now. Further information and technical details can be found on the OWIS website at owis.eu/gantx.

**Get to know it now: Laser World of Photonics**OWIS will be presenting the new GANTX in Munich from 24 to 27 June 2025. A visit to the OWIS stand (B2-215) is highly recommended, as the company has announced some more exciting innovations!

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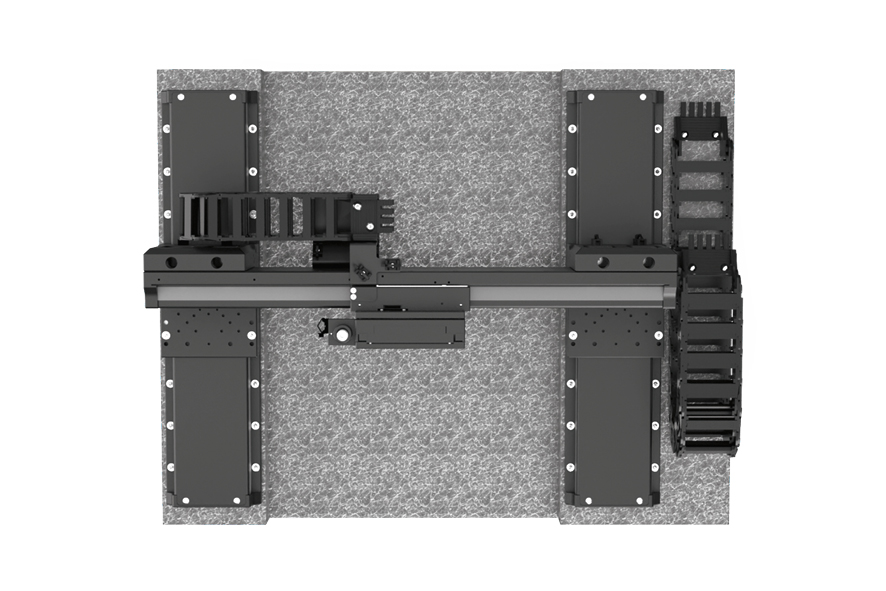
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Ein Bild, das Im Haus, Gebäude, Maschine, Aluminium enthält.

KI-generierte Inhalte können fehlerhaft sein.   
  
GANTX for precise positioning in micromachining, semiconductor technology, and optical metrology. X becomes Fit.

Ein Bild, das elektrische Säge enthält.

KI-generierte Inhalte können fehlerhaft sein.Repeatability < 0.5 µm, positioning accuracy < 50 µm, up to 1,400 mm/s fast. The new GANTX: an XYZ gantry – ideal for sensitive or large samples.



GANTX offers an optimized workspace-to-footprint ratio for maximum space efficiency.

Ein Bild, das Messschieber, Elektronik enthält.

KI-generierte Inhalte können fehlerhaft sein.

Now available: the new GANTX – and tailored precisely to your requirements with OWIS Engineering.

**About OWIS**

OWIS - optical beam guidance and positioning systems. OWIS has been dedicated to these technologies for over 40 years. The broad product portfolio of optical beam guidance components and positioning units is characterized by its combinability, maximum precision and reliability.

OWIS Engineering develops and builds complete beam guidance systems and individual multi-axis positioning systems. With know-how and experience especially in the vacuum environment, we are able to design our products for applications in high vacuum (HV), ultra-high vacuum (UHV) and extremely high vacuum (XHV). When implementing applications in cleanrooms, OWIS offers maximum flexibility and a maximum degree of customization. This applies to the adaptation or expansion of standard components as well as the development of new and individual OEM solutions.

With our own research and development department and a very high level of vertical integration, we at OWIS can respond optimally to the requirements of our customers. This makes OWIS the perfect system partner. Quality and precision are our top priorities, which we owe above all to our qualified and long-standing employees.

As a medium-sized company in Staufen, OWIS supplies scientific institutions and industrial companies worldwide. Laser technology in sectors such as metrology and image processing, analytics and biotechnology, semiconductor technology, biotechnology and medical technology, laser processing, micropositioning and processing as well as research and science in particular have greatly appreciated our high-precision products for decades - lasers love OWIS.

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