

Güdel Product information

Güdel Trackmotion Overhead TMO – new-generation linear axis for overhead installation



GÜDEL responds to the latest trends

Because the latest generation of articulated robots can be mounted in any position, they provide a flexible configuration for manufacturing operations. GÜDEL has responded to this development by introducing the new generation Track Motion Overhead (TMO). This universal linear axis can move practically any industrial robot that is currently available on the market – whether ceiling-mounted, wall-mounted or elevated. Due to its excellent load-carrying capacity and high degree of rigidity, the TMO can move robots (or any other machinery) weighing up to five tonnes with great accuracy and stability. Process tasks that have hitherto been possible only with complex specialist machinery – or by using more robots – can now be performed using just one articulated robot mounted in the optimum position. The customer now has maximum flexibility in the configuration of his production process and, because his manufacturing operations have become more efficient, is in a better position to increase his market share.

TMO: universal, flexible and customised

If a company wants to be competitive, it has to manufacture efficiently and inexpensively. Short process cycles, optimum travel lengths, excellent precision and quality are all of the utmost importance. Using the Track Motion Overhead, the optimum configuration can be attained for any production process. No other linear axis provides a comparable range of possible solutions.

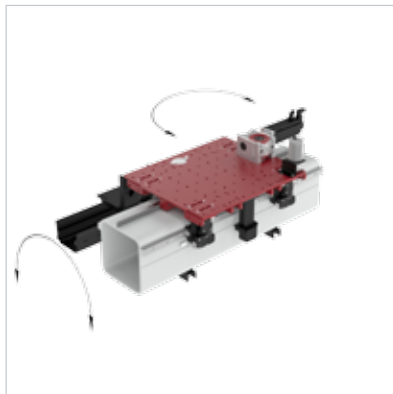
For any industrial robot: The TMO gives the customer full freedom in his choice of robot and manufacturer. Since there are four sizes, three orientation options and universal adaptor plates for mounting the robot, it is possible – based on the latest market data available – to fit onto the linear axis practically any industrial robot that is currently available on the market. If necessary, GÜDEL can supply customised versions on request. Put simply, the system provides maximum flexibility.

For any process requirements: Welding from above, painting from the side or palletising heavy containers (to name just three examples): with the TMO, every task in the process is carried out optimally. Thanks to the three orientation options, the work-piece can be handled from every side. The robots can work in the ideal position with minimal movements.

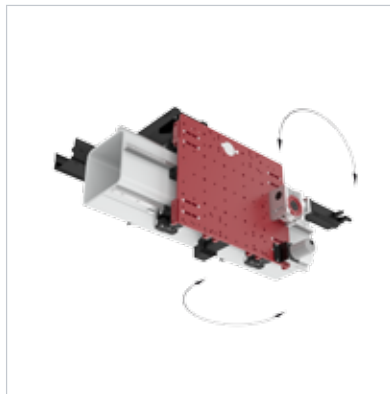
For the whole performance spectrum: The TMO covers the entire performance spectrum required by the market. In the smallest version, the linear axis copes with dynamic forces of up to 2.5 kN, while the largest can be loaded with 20 kN per roller. This enables the TMO to move robots weighing up to 5000 kg. There are

four different sizes, so it is easy to find the right one for any application.

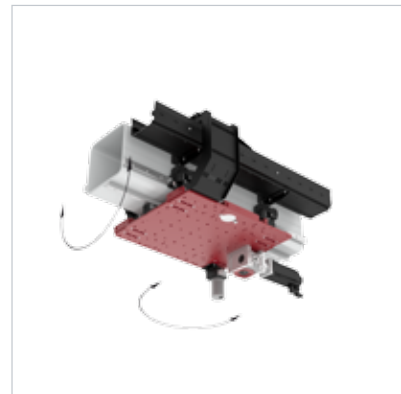
Everything from a single source: Any client would prefer to deal with a single, specialised partner. The TMO meets all the demands made by a manufacturing company. Because the components are made in house, GÜDEL can guarantee excellent quality and availability. Based on its decades of experience, GÜDEL provides expert technical support. In close collaboration with the client, the technicians work out the ideal system configuration for the production facilities, construct the installation and ensure reliable operation by providing regular maintenance and servicing.



TMO-E mounted in elevated position



TMO-W wall-mounted robot



TMO-C ceiling-mounted robot

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