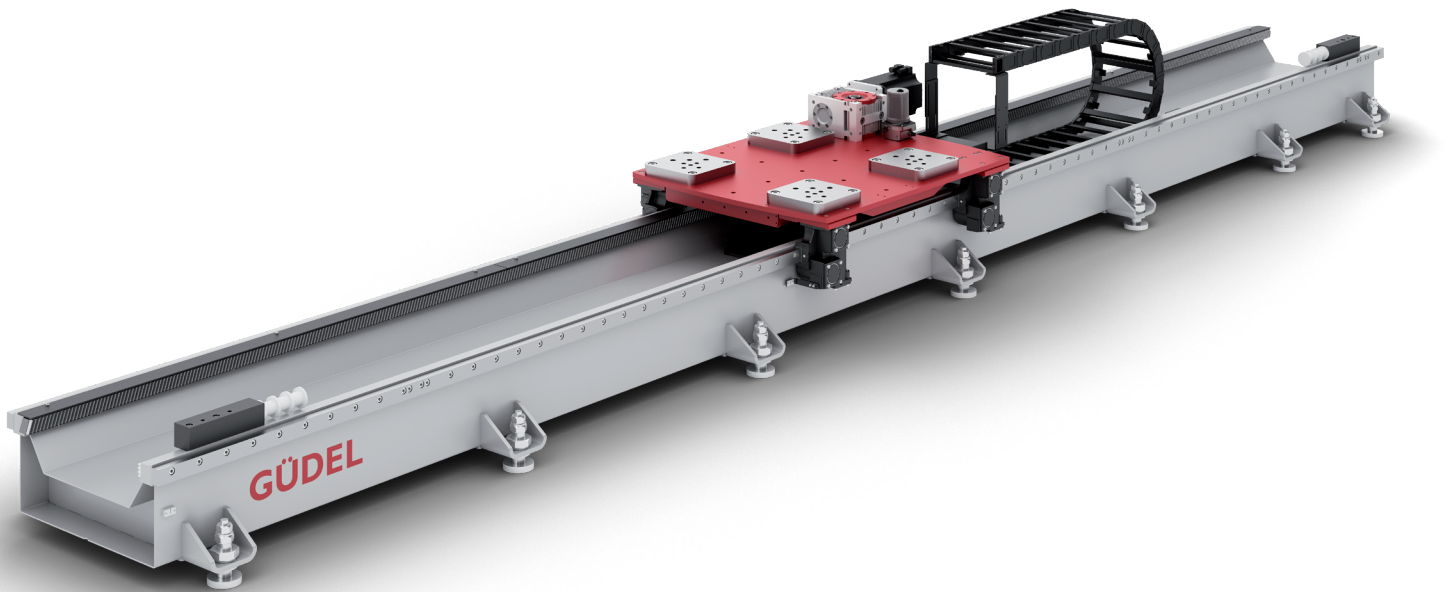


TrackMotion Floor TMF-4

Floor-mounted linear track as a seventh axis for industrial robots



More reach for industrial robots

The floor-mounted linear track TMF-4 extends the working range of articulated robots and provides greater freedom of movement in production. Adapter plates enable compatibility with all common industrial robots. The TMF-4 is suitable for processes such as handling, assembly, painting, and welding. Adjustments and extensions can be implemented at any time using standard components. The system offers high stability, smooth operation, and resistance to dirt. The TMF-4 absorbs dynamic loads on the foundation in all directions and distributes loads optimally even in emergency-stop situations. The rollers can be adjusted easily from the outside. This ensures precision and efficiency in your production.

Static load capacity

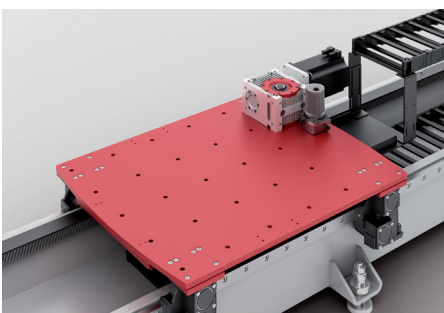
5 200 kg

Robot weight (incl. payload)

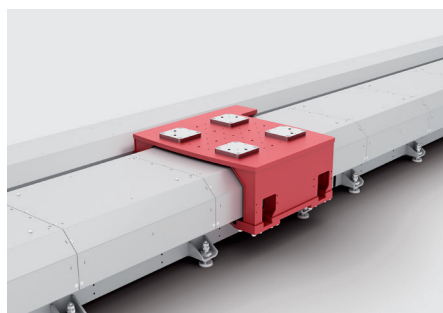
3 000 kg

Number of carriages

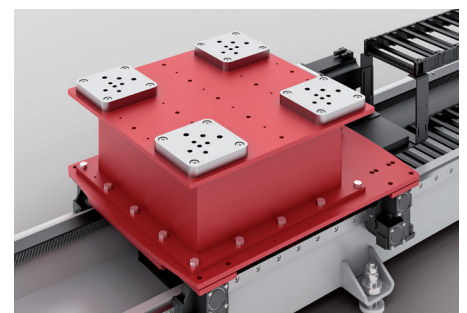
up to 4



Neutral mounting grid



Walk-on full cover for special environments



Base with adapter plates

Advantages

- High rigidity due to welded construction
- Variable energy chain arrangement
- Total length up to 100 m
- Modular extension possible at any time

Options

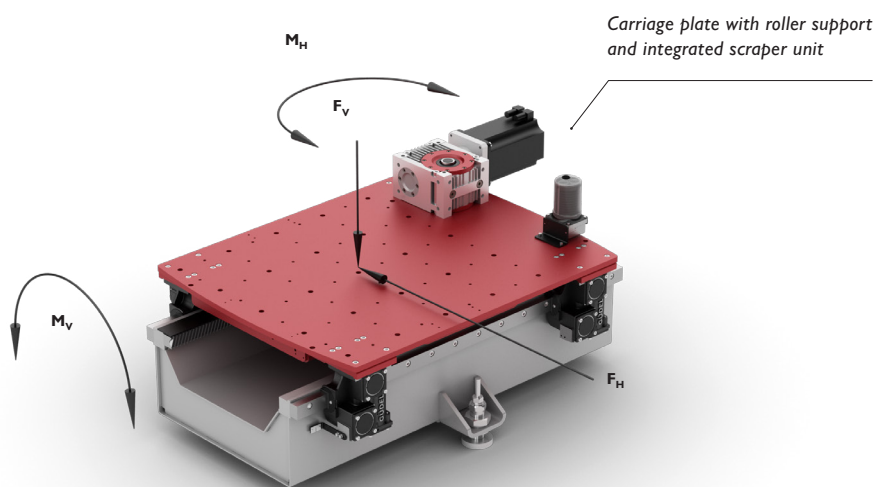
- Planetary gearbox for increased efficiency, stiffness, and accuracy
- Increased load capacity with double roller block
- Full cover

Application areas

- Positioning
- Assembly
- Painting
- Welding



Find TrackMotion
Floor TMF-4



Technical data

Static load capacity	5 200 kg
Robot weight	3 000 kg (incl. payload)
Number of carriages	up to 4
Base height	up to 1 000 mm
Speed	2 m/s
Acceleration	3 m/s²
Repeatability	±0.02 mm
Stroke	2 m to 98 m
Floor mounting	Floor leveling kit with anchor rods
Guide system	Heavy-duty guide system with heavy-duty guide rails and roller blocks
Drive system	Rack-and-pinion drive with hardened helical gearing, Güdel HPG120 gearbox
Noise emission	≤ 80 dB(A)

Güdel Group AG
Gaswerkstrasse 26
4900 Langenthal
Switzerland
Phone +41 62 916 91 91
info@ch.gudel.com

gudel.com
automation on track

Güdel is an internationally active Swiss industrial company founded in 1954. As one of the world's leading suppliers of industrial automation solutions, Güdel offers its customers everything from a single source: from high-precision machine components to customized automation solutions for use in markets such as automotive, aerospace, railway, logistics, composites and machine tools.

Güdel technology is characterized by innovation, modularity, and quality. Worldwide, Güdel employs around 1 000 people at over 20 locations. Since its foundation, the company group has been owned by the founding family.