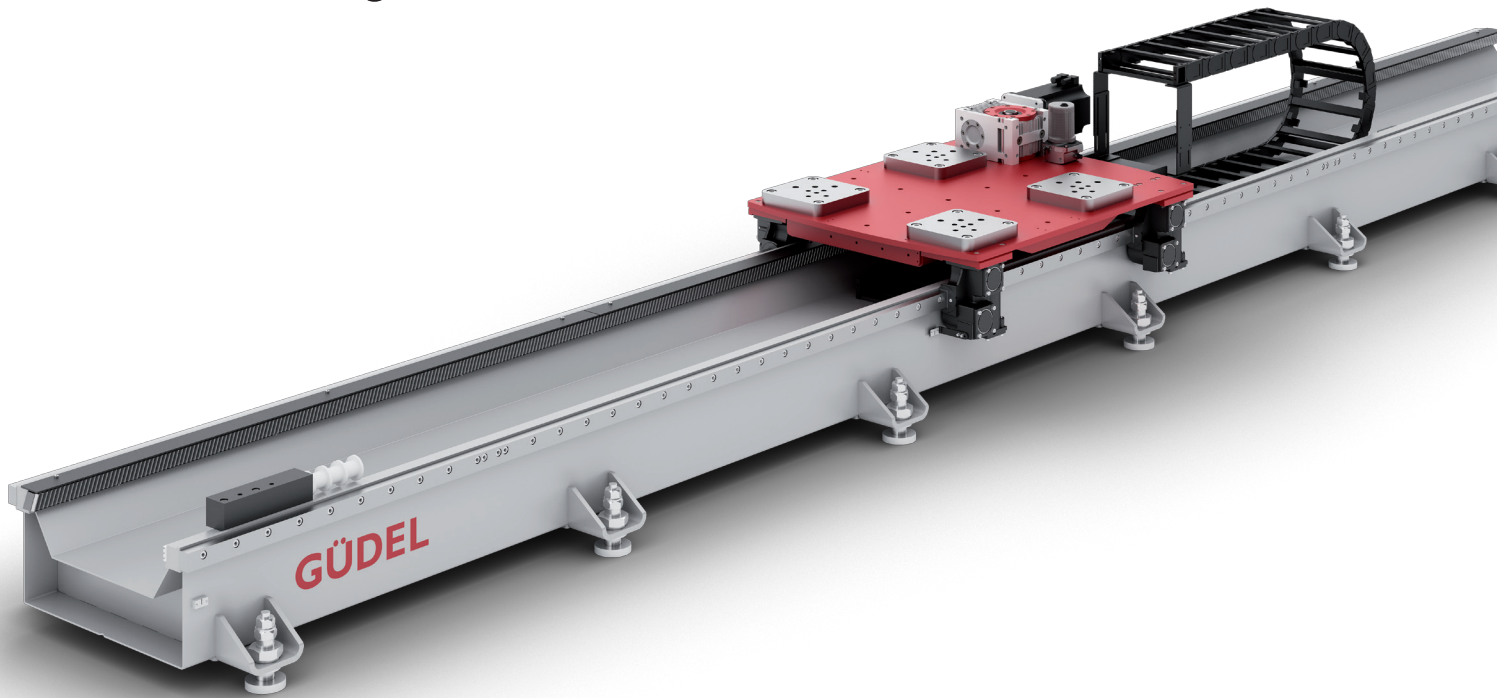


TrackMotionFloor

Universal linear traversing axes for production lines

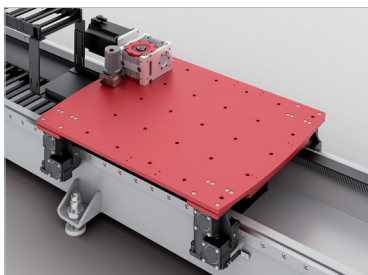
A larger working area for industrial robots – the TMF-4 floor traversing axis



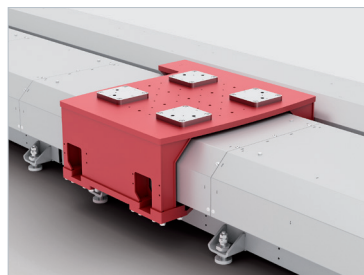
The TMF-4 floor traversing axis

Güdel's TrackMotionFloor (TMF) product range includes a number of models which ensure that production processes operate smoothly and efficiently. As the seventh axis for articulated robots, they offer greater freedom of movement. With the appropriate adapter plates, the TMF in size four (TMF-4) can be used with all conventi-

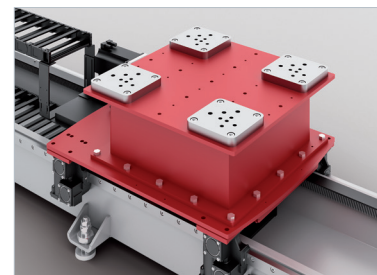
onal industrial robots and can support static loads of up to five tons. The TMF-4 can be modified at any time by retrofitting standard components. It is ideally suited to variety of applications including assembly, painting and welding.



Standard layout of fixing points



Full protection cover, safe to walk on, for special environments



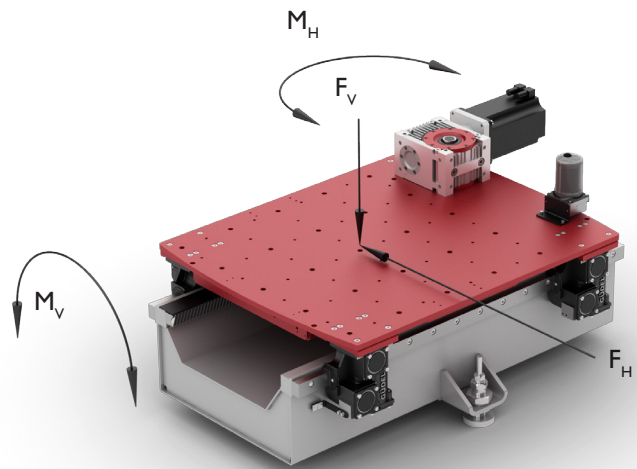
Baseplate with adaptor plates

Impressive features of the TMF-4:

- High repeatability
- Welded structure gives a high degree of rigidity
- Variable arrangement of cable loops
- Total length up to 100 m
- Modules can be added at any time

An extensive range of options:

- Planetary gears for increased efficiency, rigidity and precision
- Double roller support doubles the payload
- Complete covering
- Automatic lubrication system
- Up to four carriages possible on one TMF



Technical data

Precision (repeatability)	+/- 0.02 mm
Speed	120 m/min
Acceleration	3 m/s ²
Payload	up to 5.2 tons for static payloads dynamic payload of 3 tons for articulated robots
Height of carriage plate	566 mm
Maximum width	1,134 mm
Size of carriage plate	1,200 x 1,450 mm

Güdel company profile

Güdel is a manufacturer of high-precision machine components and provider of sophisticated automation solutions.

Its spectrum of products ranges from linear guideways, racks, pinions and drives right through to linear axes and gantry robots. Güdel assembles its products into systems

with a high degree of control intelligence and complete plant installations, which can be used in the automotive, tire, metal, rail, intra-logistics, pharmaceutical, renewable energy, wood, and aerospace industries. Güdel's technology is characterized by its innovation, quality and modularity.