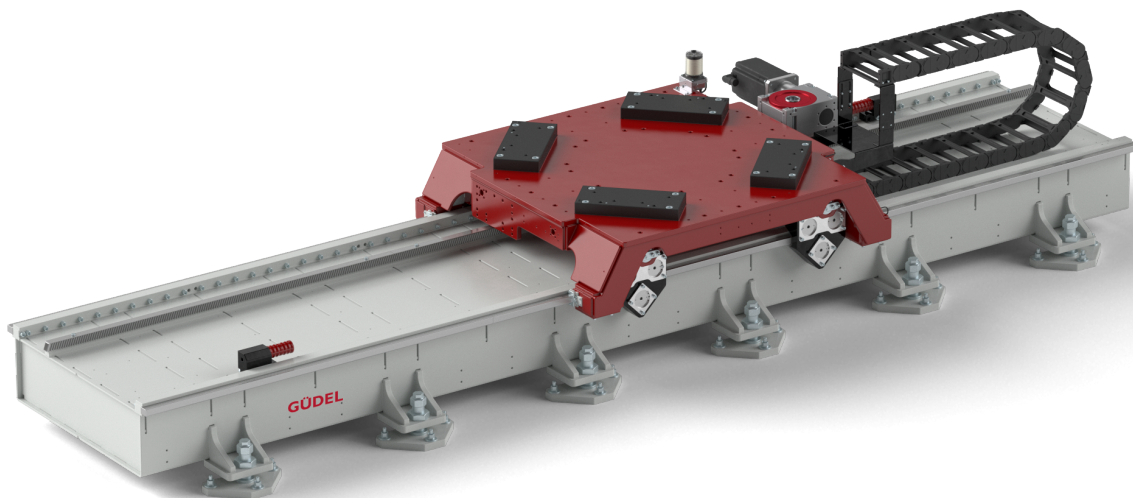


TrackMotion Floor TMF-5

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



More reach for heavy industrial robots

The floor-mounted linear track TMF-5 was developed specifically for heavy industrial robots and extends their working range as a seventh axis. This enables new production tasks and allows flexible use in demanding industrial environments. Up to four carriages on a single axis provide flexible process design and stable operation, even when production requirements change. The TMF-5 supports a static load capacity of 11 680 kg and is designed for industrial robots with a total weight of up to 6 300 kg including payload. This allows heavy robots to move payloads of up to 1 500 kg and automate heavy-duty processes more efficiently. The stroke can be configured in 1 m increments from 1 m to 98 m.

Static load capacity

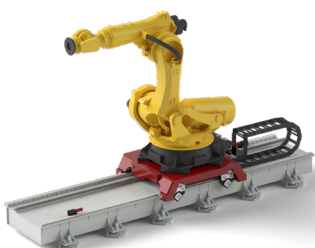
11 680 kg

Robot weight (incl. payload)

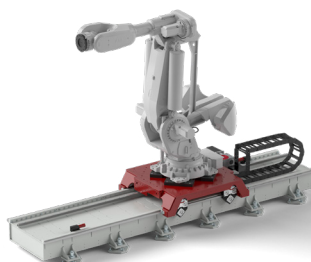
6 300 kg

Number of carriages

up to 4



TMF-5 floor-mounted linear track with
FANUC industrial robot



TMF-5 floor-mounted linear track with
ABB industrial robot



TMF-5 floor-mounted linear track with
KUKA industrial robot

Compatibility

FANUC M-950-iA, M-1000-iA

ABB IRB 8700

KUKA Titan

KUKA Titan-2

KUKA Titan Ultra

Other manufacturers on request

Options

Güdel planetary gearboxes

Application areas

Positioning

Assembly

Painting

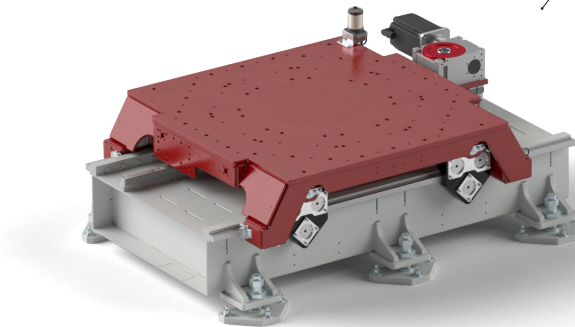
Welding

Megacasting



Find the TrackMotion
Floor TMF-5

Carriage plate with roller support
and integrated scraper unit



Technical data

Static load capacity	11 680 kg
Robot weight	6 300 kg (incl. payload)
Number of carriages	up to 4
Base height	up to 1 000 mm
Speed	1 m/s
Acceleration	1 m/s²
Repeatability	±0.02 mm
Stroke	1 m to 98 m, in 1 m increments
Floor mounting	Floor leveling kit with anchor rods
Guide system	Heavy-duty guide system with heavy-duty guide rails and double roller blocks
Drive system	Rack-and-pinion drive with hardened helical gearing, Güdel HPG120 gearbox
Noise emission	≤ 80 dB(A)

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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.