

Automation solutions around tires and wheels

TIRE HANDLING



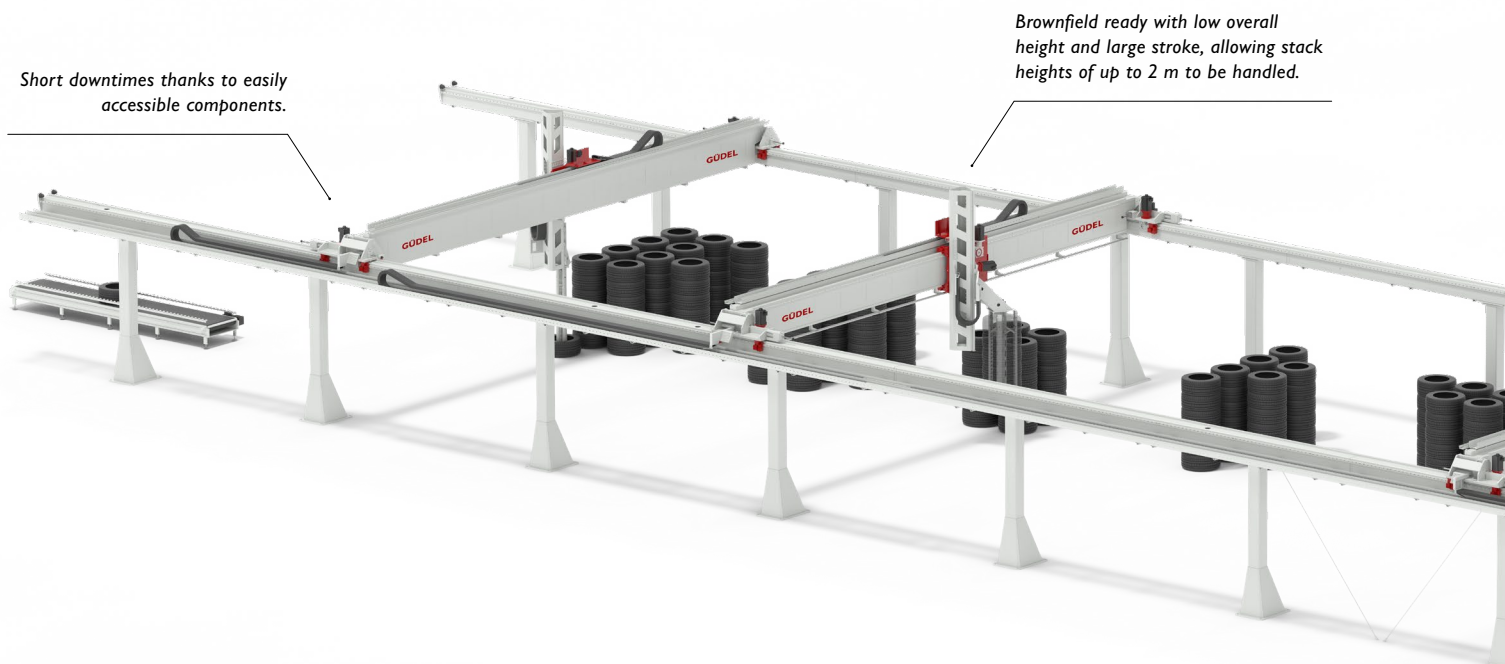
Modular System

Long Lasting

System Expertise

Logistics systems for the tire industry

Tire manufacturing processes require highly dynamic automation solutions. For many years, Güdel has been developing customized automation and logistics systems for the tire industry and has extensive experience in handling and intralogistics of green and finished tires. Typical applications include loading curing presses, sorting and order picking, as well as palletizing and depalletizing.



Güdel Technologies

The technologies used are based on proven systems and are deployed worldwide in real production environments.



FP-5-HP: High-performance portal for high dynamics, high payloads, large working areas and excellent cost efficiency.



Tire Depalletizer: Maximum autonomy through independent stack detection, proven in continuous industrial operation, eliminating the need for connection to a higher-level system.

Working range Y-axis

14 m

Max. gripper payload

360 kg

Max. stack height

2 m

Tires per stack

up to 8

Tire stack grippers optional for PCR with stack heights up to 2 m and up to 8 tires, or for TBR with usable gripper lengths up to 1.5 m and a payload of 360 kg



Tire and wheel stack grippers: Gripper solutions optimized for Güdel portals, designed for various tire formats and stack heights.

Stack detection in the depalletizer: 3D vision for precise detection of tire stacks. Offline capable, flexible and optimized for depalletizing applications.

Modular System

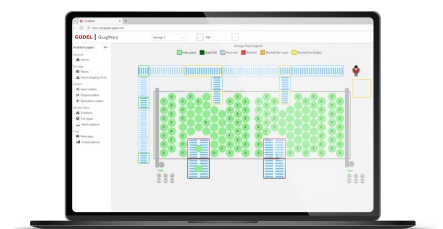
Maximum flexibility based on the modular Güdel system. An investment made today that is ready for future requirements. Güdel's modular system allows the level of automation to be precisely adapted to the specific application. From individual components and functional packages to turnkey solutions including material flow control (MFC), warehouse management systems (WMS) and comprehensive customer support – Güdel systems are proven in real tire production environments.

Long Lasting

Güdel solutions are based on the proven rack and pinion drive. The optimally balanced ratio between stiffness and moving mass ensures maximum process reliability, long service life and a low total cost of ownership, especially in continuous industrial operation.

System Expertise

Since 2004, Güdel has been involved in numerous tire projects, initially as a supplier of high-quality components and later as a provider of complete sorting and order-picking systems. Today, Güdel looks back on successfully implemented automation projects with all leading tire manufacturers.



GLogWare: Optimized, pre-tested software solution with customer-specific Level-2 integration and a web-based user interface.

Engineered and made in Switzerland

We have stood for the highest quality
and reliability for over 70 years.

Intelligent and complete solutions

From individual components to
complete automation solutions –
everything from one single source.

Highest precision and maximum accuracy

In-house manufactured linear guides,
racks, pinions and gearboxes for maximum
precision – that is in our DNA.

Transporting heavy loads over long distances

Market leader in moving loads of up
to 3 tons over 100 meters.

Future-oriented with tradition

Durable products for sustainable
efficiency – proven and tested over
many years.

Global presence, local expertise

With around 1 000 employees working
worldwide at over 20 locations.

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automation on track