

Automation solutions around tires and wheels

# TIRE HANDLING



**Modular System**

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**Long Lasting**

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**System Expertise**

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# 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.

Working range Y-axis

14 m

Max. stack height

2 m

Max. gripper payload

360 kg

Tires per stack

up to 8

## Modular System

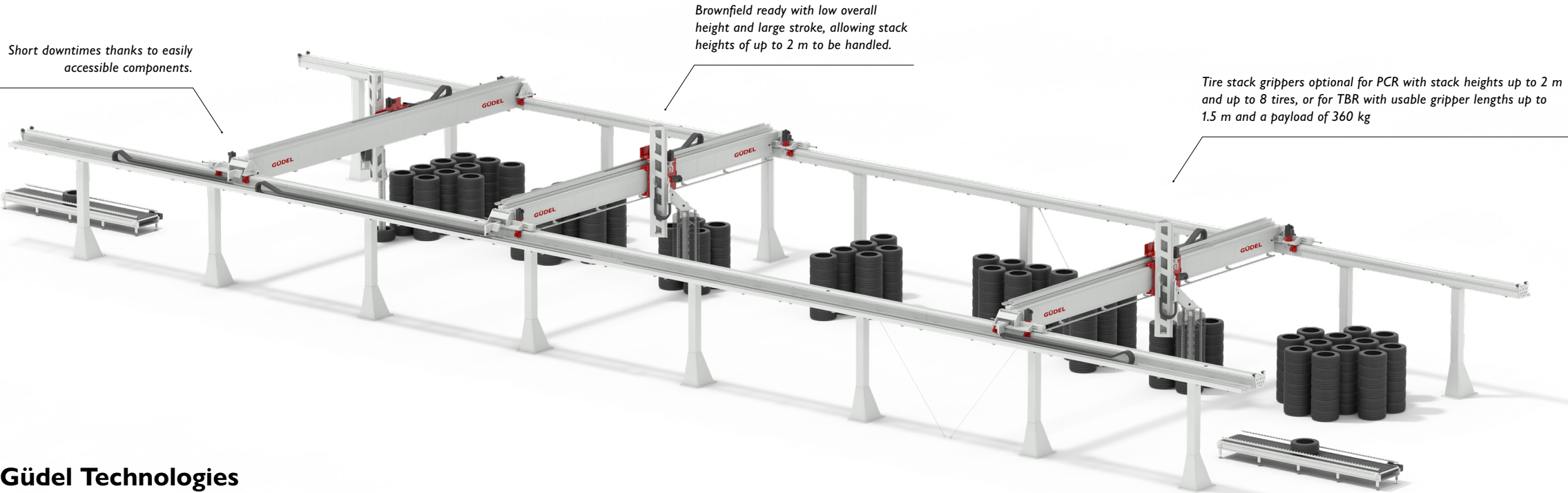
Maximum flexibility based on the modular Güdel system. An investment made today that is ready for future requirements. Güdel's modular system allows the level of automation to be precisely adapted to the specific application. From individual components and functional packages to turnkey solutions including 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.

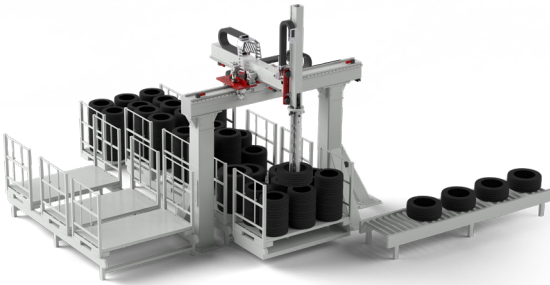


## Güdel Technologies

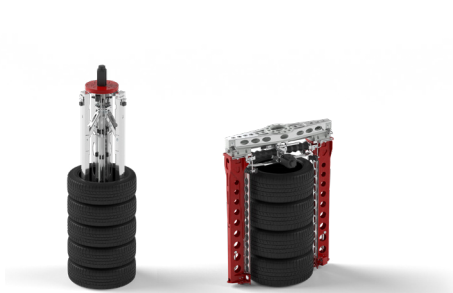
The technologies used are based on proven systems and are deployed worldwide in real production environments.



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



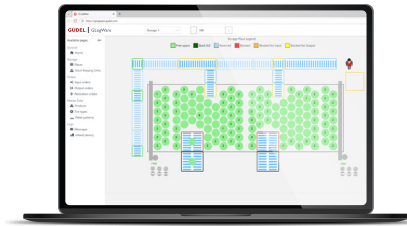
**Tire Depalletizer:** Maximum autonomy through independent stack detection, proven in continuous industrial operation, eliminating the need for connection to a higher-level system.



**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.



**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 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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