

Automation for Efficient Processes in the Rail Industry

RAILWAY HANDLING



Over 25 Years of Expertise

Process Know-How

Turnkey Solutions

Automated Production Lines for the Rail Industry

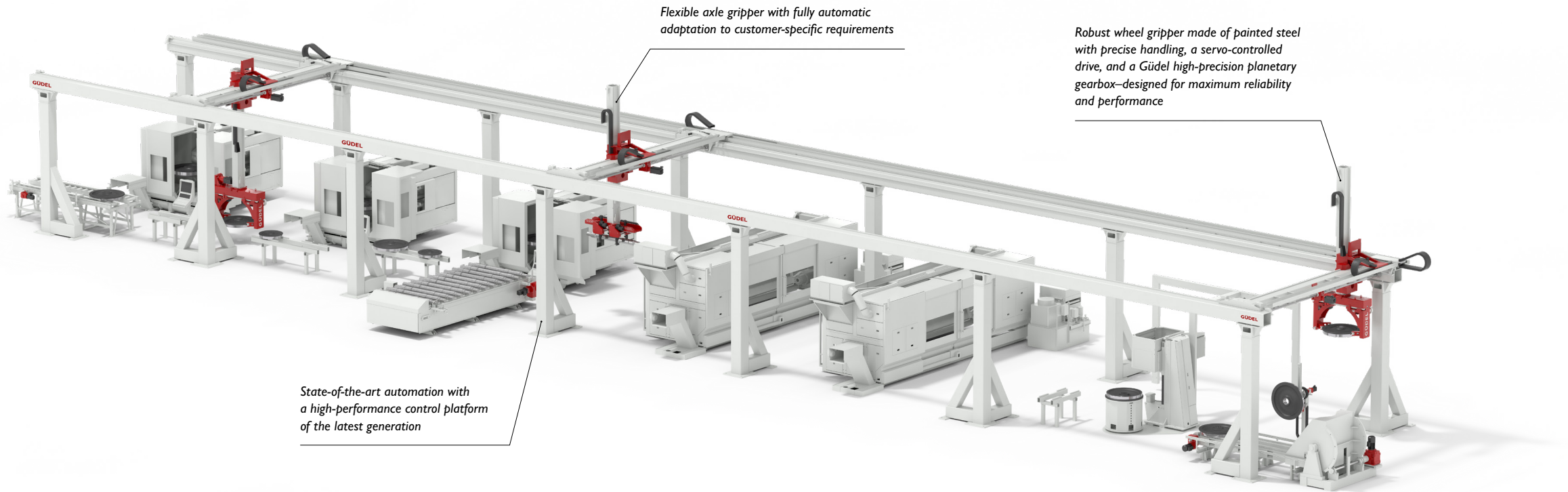
Güdel brings decades of expertise in system solutions for the handling of railway wheels, axles, and wheelsets. The portfolio includes a variety of grippers – including those for hot wheels at temperatures up to 950°C – as well as conveyors, marking stations, SPC stations and various storage modules and further applications.

Speed	Wheels per year
150 m/min	100 000+
Payload	
3.5 t	

Over 25 Years of Expertise
Güdel is synonymous with advanced, modular gantry technology and precise gripping systems. The ZP-7 2-axis gantry and the FP-7 3-axis gantry are optimally designed to meet railway industry applications that require high dynamics and payloads exceeding 3 000 kg. The portfolio is rounded out by high-performance gripping solutions: wheel grippers that handle rotating and swiveling motions, hot wheel grippers rated up to 950 °C, axle grippers built for lateral loading and unloading, and systems designed to handle complete wheel sets.

Process Know-How
Our engineers possess in-depth expertise across the entire value chain of the railway industry—from raw materials through hot forming and heat treatment to machining and testing. This comprehensive process expertise forms the foundation for reliable automation solutions that are characterized by secure gripping, stable operations, and seamless integration into existing production processes.

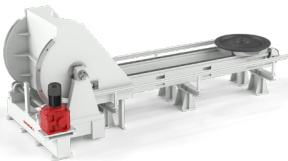
Turnkey Solutions
Güdel develops and implements modular automation solutions—ranging from individual components to integrated systems. These include floor conveyor technology, handling systems, marking and camera stations, and safety solutions. The focus is on the design, delivery, and integration of automation components, as well as on providing support for the implementation of complete systems. Solutions are tailored to meet each customer’s specific process requirements.



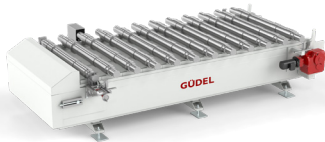
Product Portfolio



Roller Conveyor for Wheels
Efficient transport of railway wheels along the production line



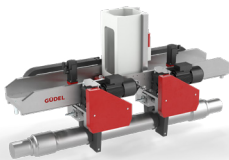
Tilting Table for Wheel Stacks
Safe tilting and positioning of stacked wheels



Chain Conveyor for Axles
Reliable transport of railway axles



Wheel Gripper
Precise gripping, rotating, and swiveling of railroad wheels; various configurations (0°, 45°, 90°); wide range of wheel diameters up to Δd 600 mm



Axle Gripper
Safe handling and lateral loading of railway axles; NC-motorized, single or double pitch adjustment



Embossing Read Station
Automatic recognition of embossed markings

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 1000 employees working worldwide at over 20 locations.

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



gudel.com
automation on track