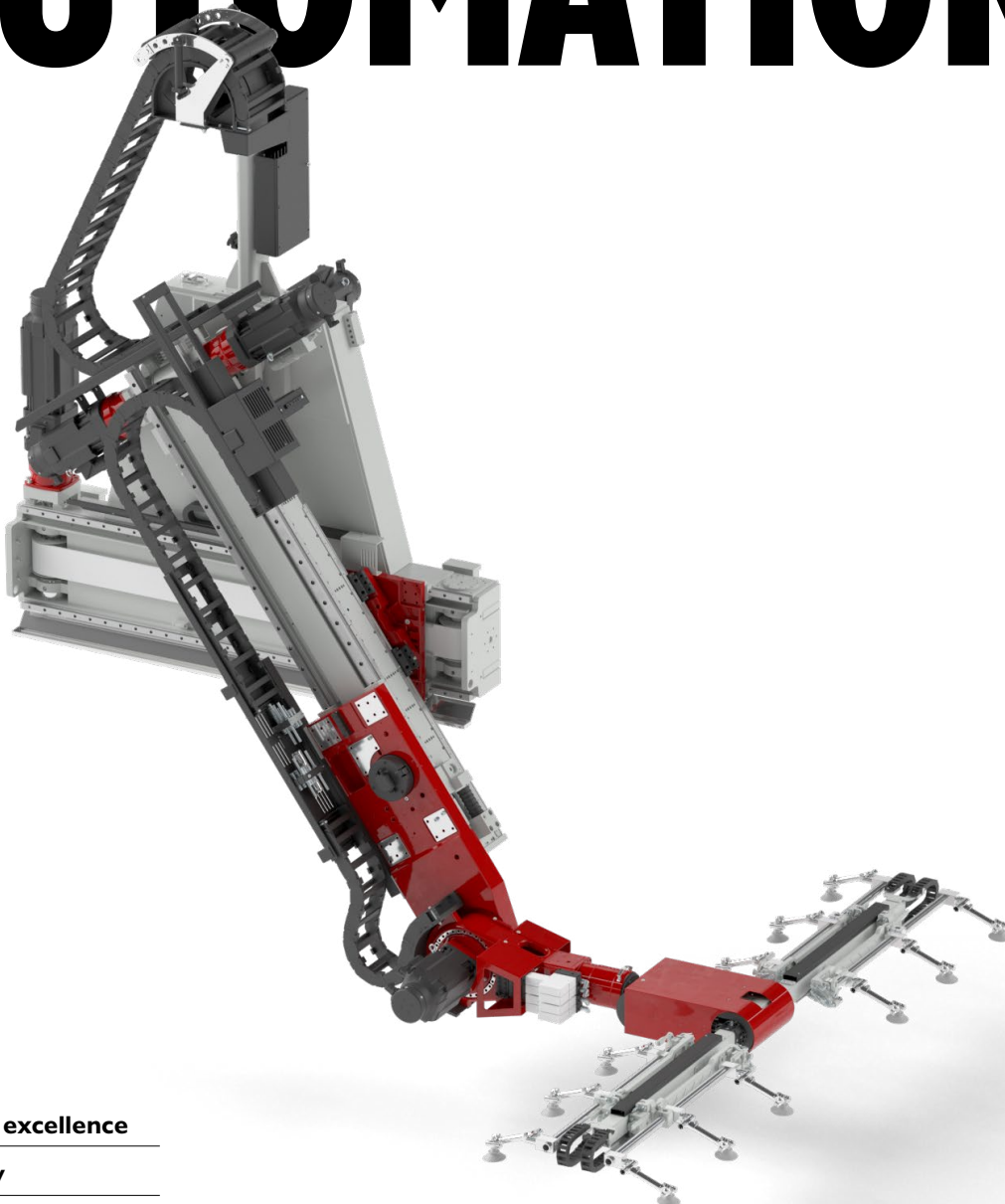


The leading partner for the automation of large press lines

PRESS AUTOMATION

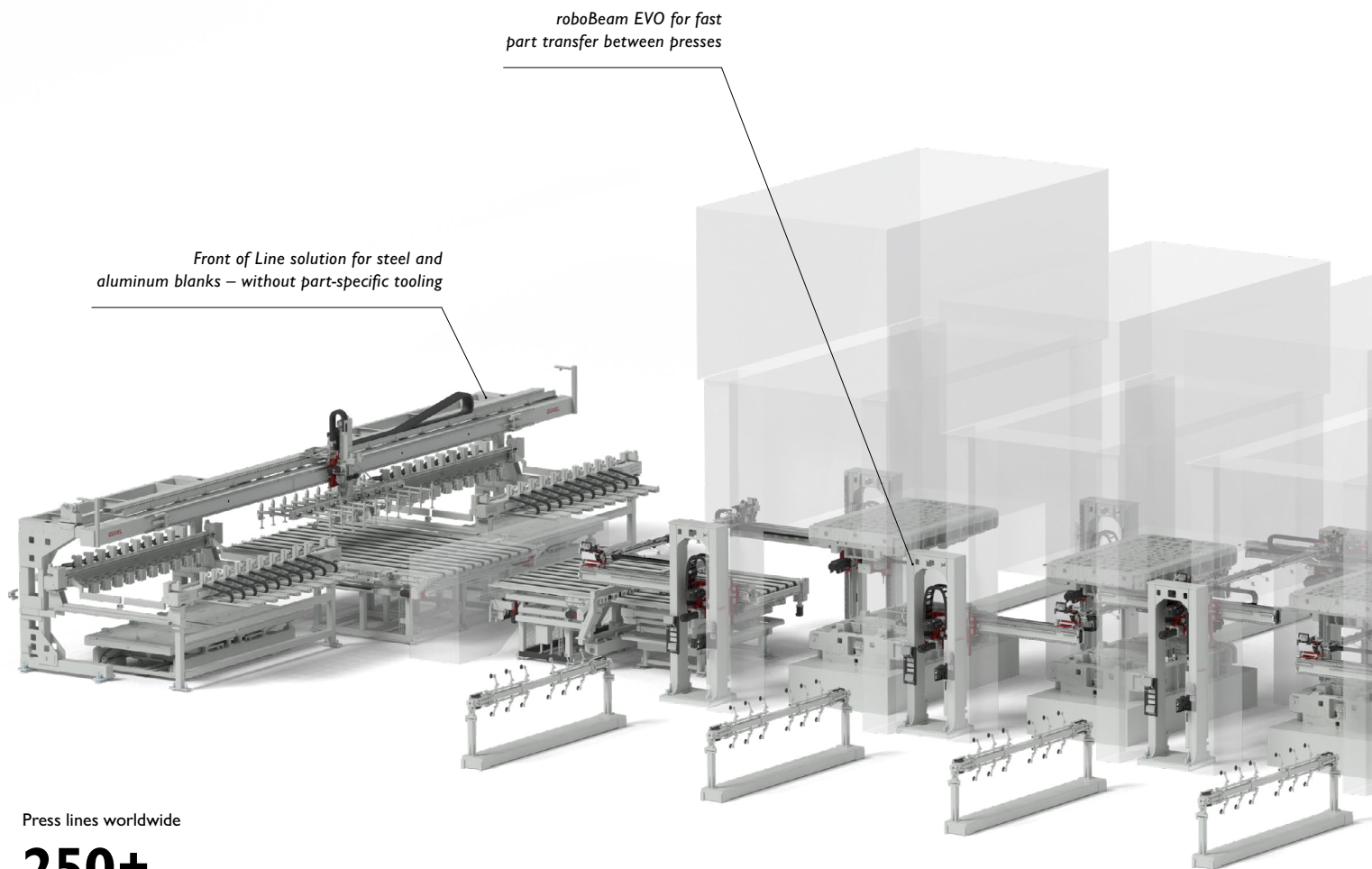


Technical excellence

Durability

Systems expertise

Your partner for press automation – Delivering success from concept to operation



Press lines worldwide

250+

OEM and Tier 1 customers

50+

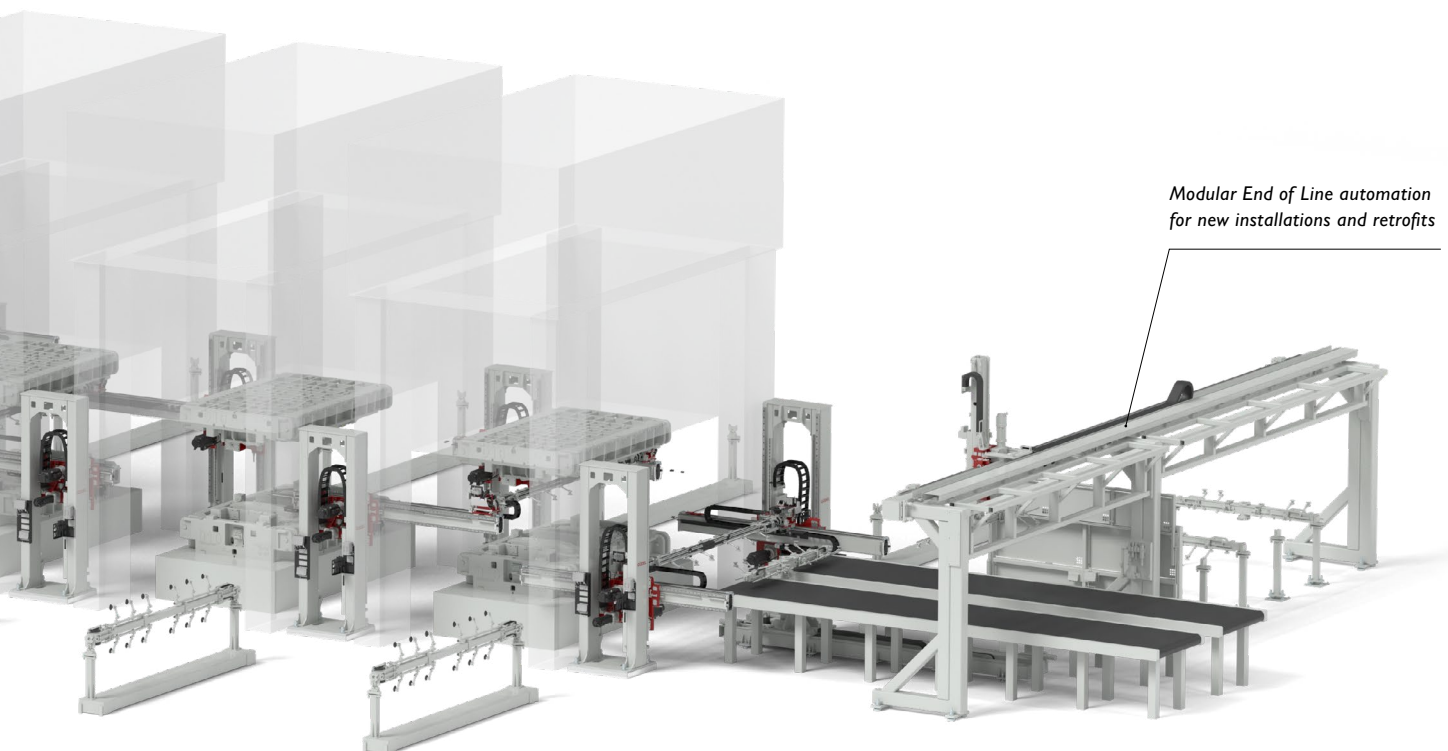
Output of up to

21 strokes/min

We deliver innovative press automation solutions for manufacturers who demand maximum availability, productivity, and flexibility. Our automation systems achieve output rates of up to 21 strokes per minute and can be precisely tailored to individual cycle time, part, and layout requirements through a modular system architecture.

In addition to new installations, we support retrofit and modernization projects that enhance the performance, reliability, and availability of existing press lines. Digital services, lifecycle support, and long-term partnerships ensure successful implementation and sustainable operation worldwide.

With Güdel, you gain more than an automation system. You gain a reliable partner delivering high-performance, flexible, and future-ready solutions that make your production more efficient, productive, and dependable.

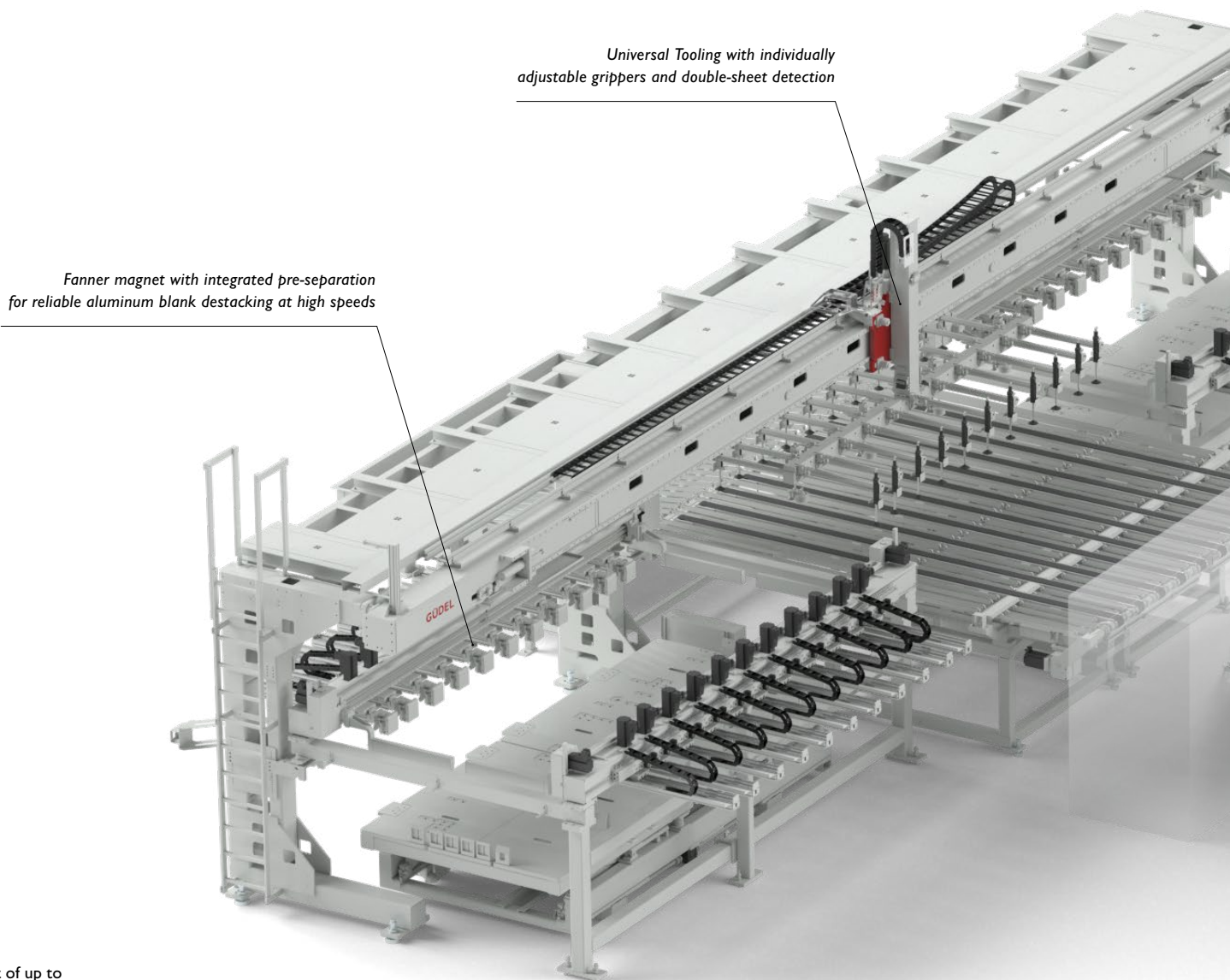


Blank destacking system for press lines

Maximum line performance starts with reliable blank destacking. Güdel's Front of Line system is engineered to deliver the availability and throughput required for demanding press shop operations.

Thanks to patented Universal Tooling, tooling changes are completely eliminated. In addition, Güdel's patented centering solutions require no part-specific tooling, providing maximum flexibility while reducing setup effort, storage requirements, and operating costs, and eliminating a common source of operator errors.

Combined with Güdel's patented pre-separation technology, aluminum blanks can be processed at high speeds with maximum reliability and no loss of performance.



Output of up to

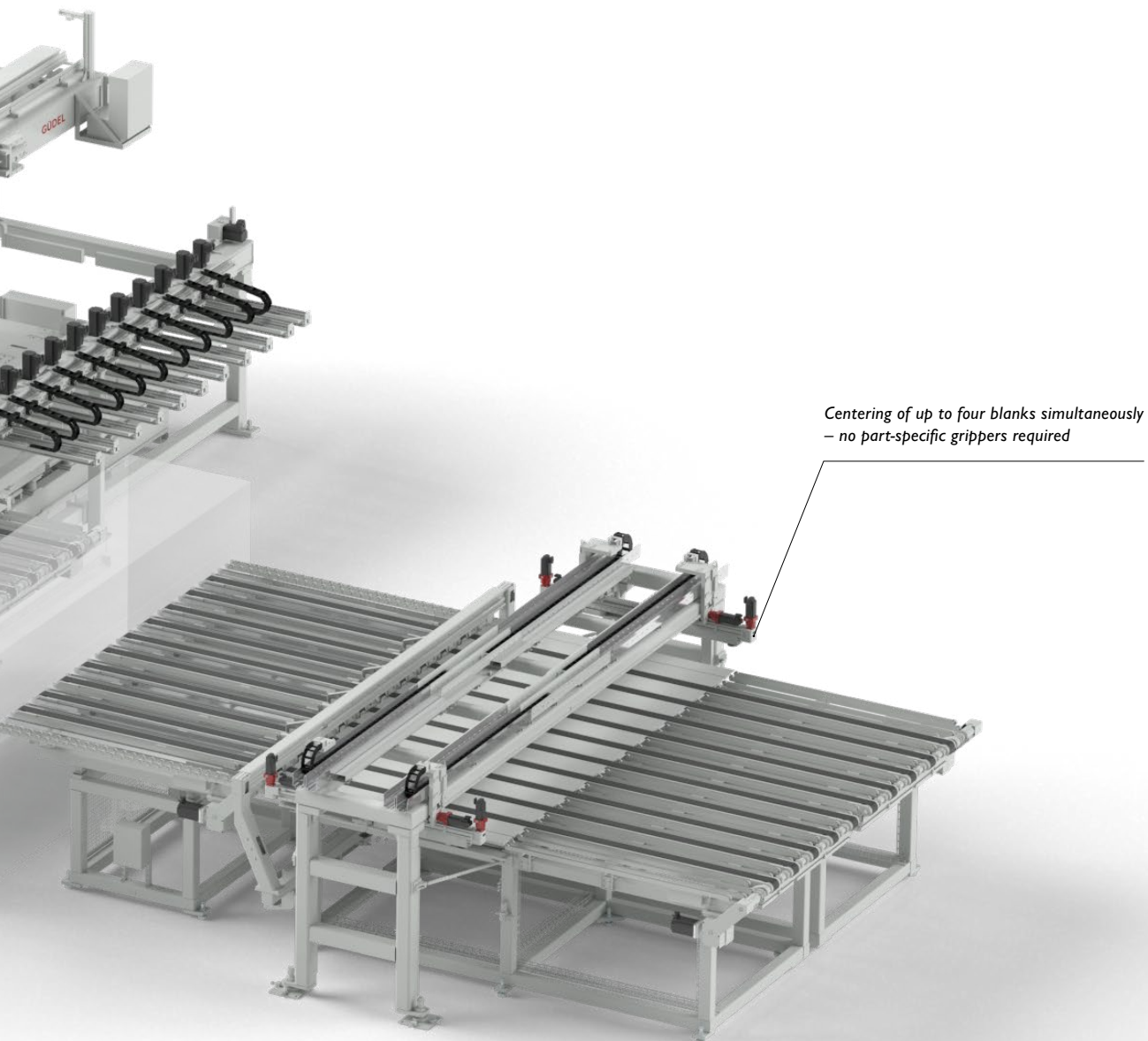
21 strokes/min

Blank size up to

4 500 × 2 200 mm

Technical data

Processing speed	up to 21 strokes/min
Blank size	suitable for M-XXL size press lines
Centering station	up to 4 blanks simultaneously
Tooling change	no part-specific tooling required for blank destacking and centering
Cleaning and oiling	optional
Automated guided vehicles	optional interface for automatic loading of blank stacks



The heart of the press line

At the heart of every press automation line is the transfer system, determining productivity, reliability, and throughput. Güdel offers single-arm and double-arm transfer solutions for a wide range of cycle-time requirements, delivering output rates of up to 21 strokes per minute.

roboSpeed

roboSpeed is Güdel's established single-arm transfer solution, combining proven technology, high performance, and outstanding reliability. Engineered for demanding press shop environments, it ensures maximum availability and productivity throughout the production process.

Based on the same proven platform, roboSpeed XR (Xtended Reach) is optimized for applications with larger press center distances. Its extended working range makes it an ideal solution for retrofit projects and modernized press lines, delivering high output without compromising performance or reliability.

Technical data

Output	up to 21 strokes/min
Press center distance	5 000 mm to 6 000 mm, XR up to 9 400 mm
Payload	max. 100 kg, blank and tooling
Tooling change	automatic
Servo side shift	2× ±150 mm
Press type	mechanical / servo / hybrid
Press stroke	from 1 100 mm

Output of up to

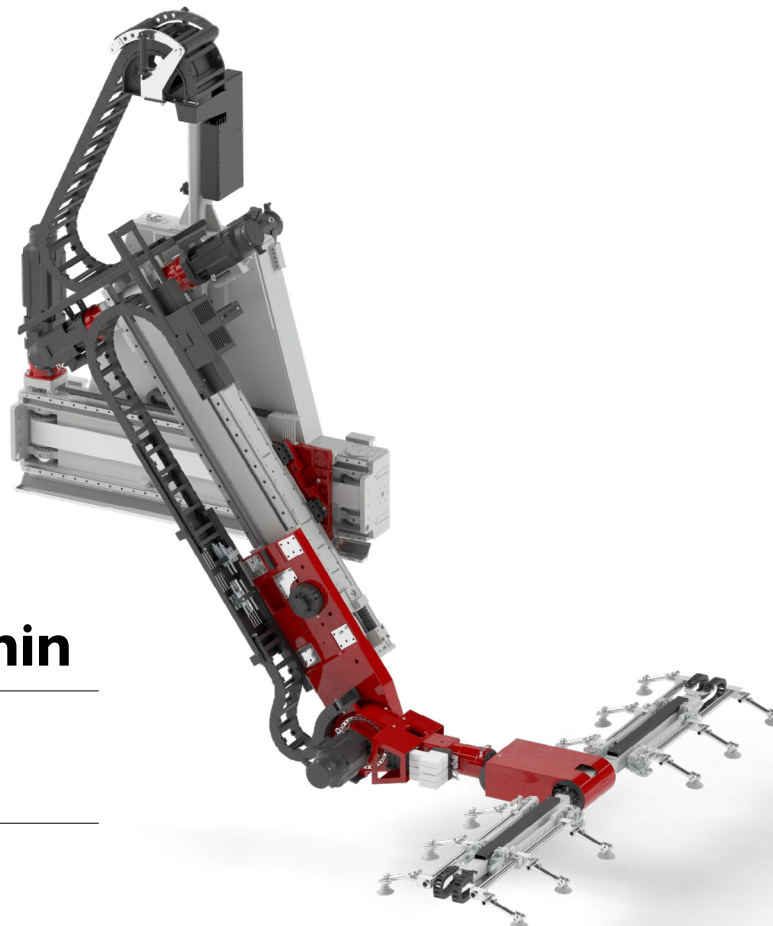
21 strokes/min

Payload

100 kg

Press distance up to

6 000 mm



roboBeam EVO

roboBeam EVO is the latest generation of our double-arm transfer system, available as a stand-alone system or as a compact design mounted directly on the press columns. It combines the proven reliability of the roboBeam platform with modern drive technology and enhanced motion capabilities to maximize productivity and availability.

Designed with full retrofit compatibility, roboBeam EVO can be seamlessly integrated into existing roboBeam systems, providing a straightforward upgrade path to the latest technology with minimal disruption and maximum return on investment.

Technical data

Output	up to 20 strokes/min
Press center distance	3 800 mm to 6 700 mm
Payload	max. 120 kg, blank and tooling
Tooling change	automatic
Servo side shift	2× ±150 mm
Press type	mechanical / servo / hybrid
Press stroke	from 1 100 mm

Output of up to

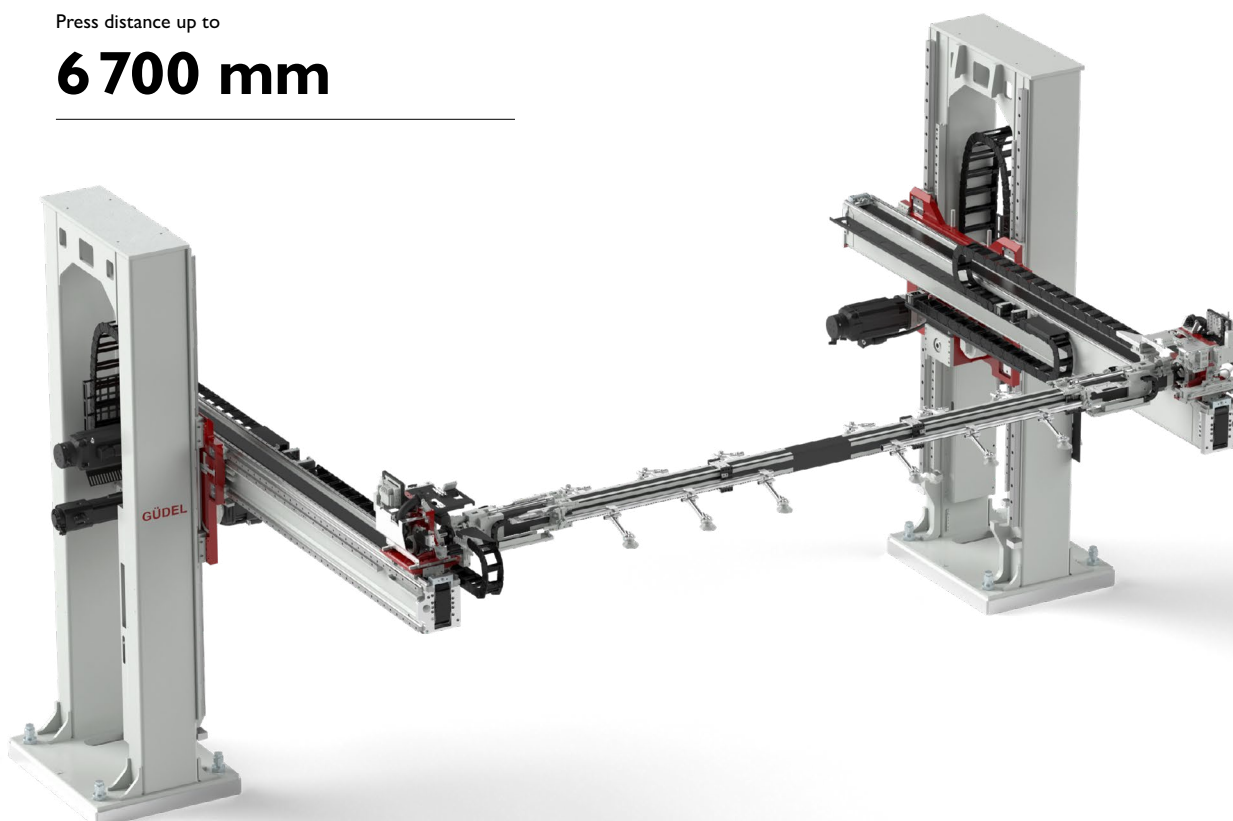
20 strokes/min

Payload

120 kg

Press distance up to

6 700 mm

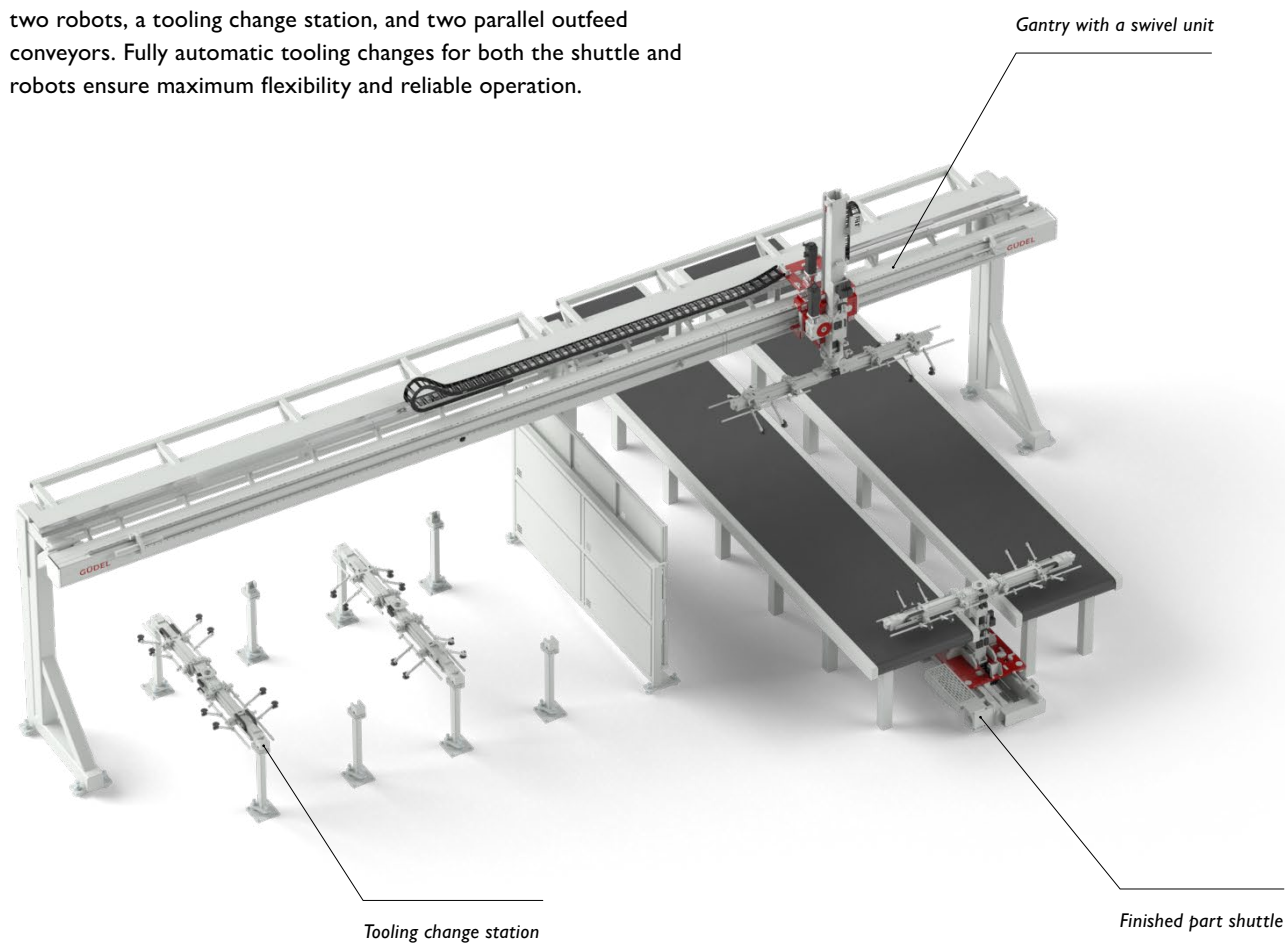


Finished part handling system

Our finished part handling solutions are designed for maximum productivity and operator ergonomics. The most popular configuration combines a shuttle and gantry system, offering exceptional flexibility by allowing parts to be placed virtually anywhere on the outfeed conveyors for easy and ergonomic removal.

Consisting of a shuttle, a gantry with a swivel unit, a tooling change station, and two parallel outfeed conveyors, the system performs tooling changes fully automatically, reducing setup effort and maximizing availability.

Alternatively, a shuttle robot solution is available, featuring a shuttle, two robots, a tooling change station, and two parallel outfeed conveyors. Fully automatic tooling changes for both the shuttle and robots ensure maximum flexibility and reliable operation.



Technical data

Output	up to 21 strokes/min
Part rotation	±90°
Tooling change	automatic
Finished-part spreading	700 mm (300 and 400 mm), shuttle and gantry

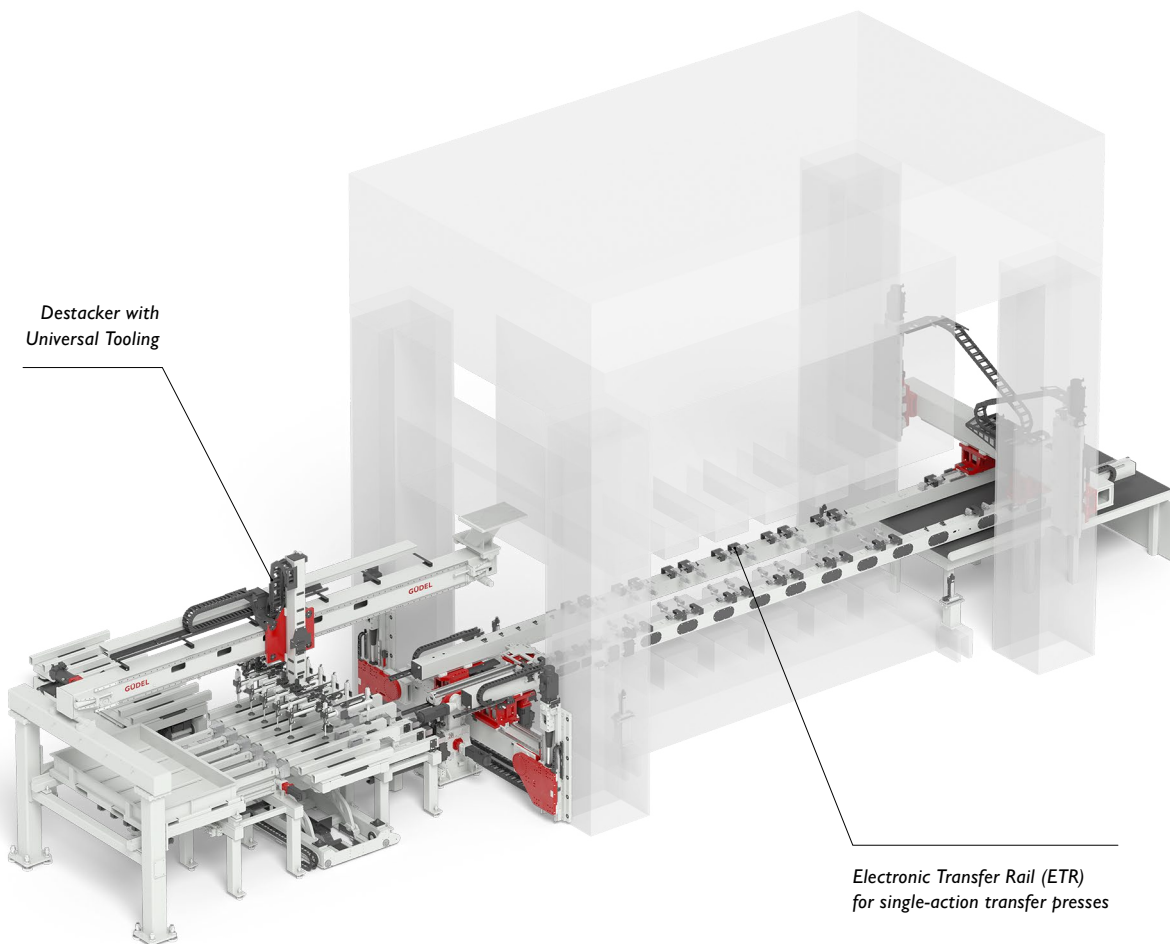
Transfer Press Automation

Built on more than 25 years of press automation experience, the latest generation of our transfer press automation solution –ETR (Electronic Transfer Rail)–combines proven technology with a modernized design and state-of-the-art controls. The result is a highly reliable and flexible solution, available in various sizes and configurations to meet a wide range of production requirements.

The latest generation is based on highly rigid linear units driven by servo motors and proven Güdel gearboxes. Thanks to the coupling system integrated into the transfer bar profile, transfer bars can be automatically uncoupled, enabling fast and efficient die changes.

The blank destacking system features a modular design tailored to customer requirements and is the ideal complement for maximizing press output. It includes fully automatic fanner magnet positioning for reliable blank separation as well as Universal Tooling for increased flexibility and reduced setup times.

Thanks to its modular architecture, the system is equally suitable for new presses and for the replacement of existing transfer systems, providing a future-proof solution for a wide range of applications.



Technical data

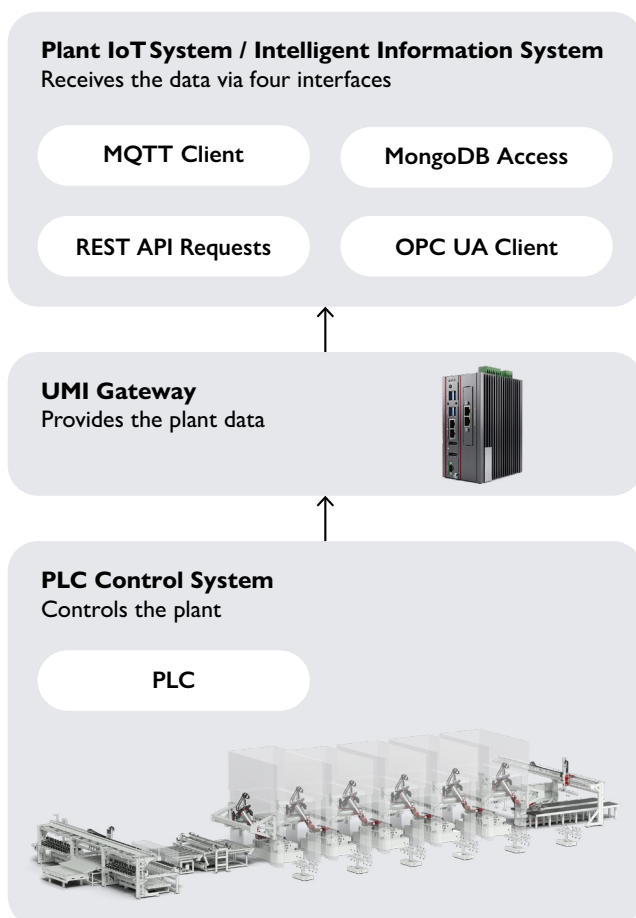
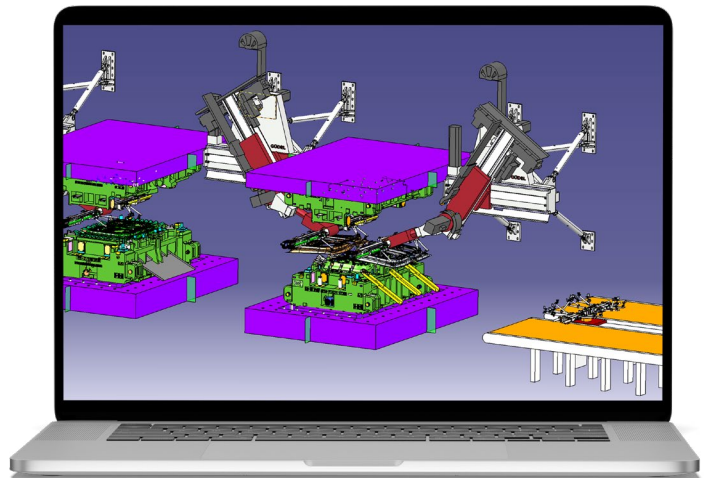
Output	up to 30 strokes/min
Bolster size	up to 7 200 mm
Payload	max. 400 kg, blank and tooling
Tooling change	manual (ETR), Universal Tooling on Destacker

Motion Designer

Every Güdel press automation system includes the Güdel Motion Designer, our powerful offline motion generation tool. It enables users to configure system parameters, visualize motion sequences, and perform graphical analysis, including 2D interference checks.

For advanced virtual engineering, Güdel Motion Designer SP extends these capabilities with interfaces to leading 3D simulation platforms, including CATIA V5 DMU, Siemens PLM, and DELMIA.

Both mechanical and servo press applications can be simulated, allowing manufacturers to optimize performance, verify process reliability, and maximize productivity from the earliest project stages.



Universal Machine Interface

The Smart Press Automation concept provides a scalable platform for integrating automation data into existing plant IoT environments, whether cloud-based or hosted on-premises.

At the core of the concept is the Universal Machine Interface (UMI), a hardware and software solution that enables flexible, system-independent access to machine, process, and condition data. It supplies valuable information from the automation drive train and the overall automation system for further analysis, visualization, and performance optimization within the plant IoT infrastructure.

Three scalable and retrofittable packages are available:

- S: Basic condition data via OPC UA without data storage or condition monitoring.
- M: Enhanced connectivity and KPI monitoring, including MQTT, REST API, and utility consumption data.
- L: Full condition-monitoring capability with high-resolution data acquisition and historical data storage.

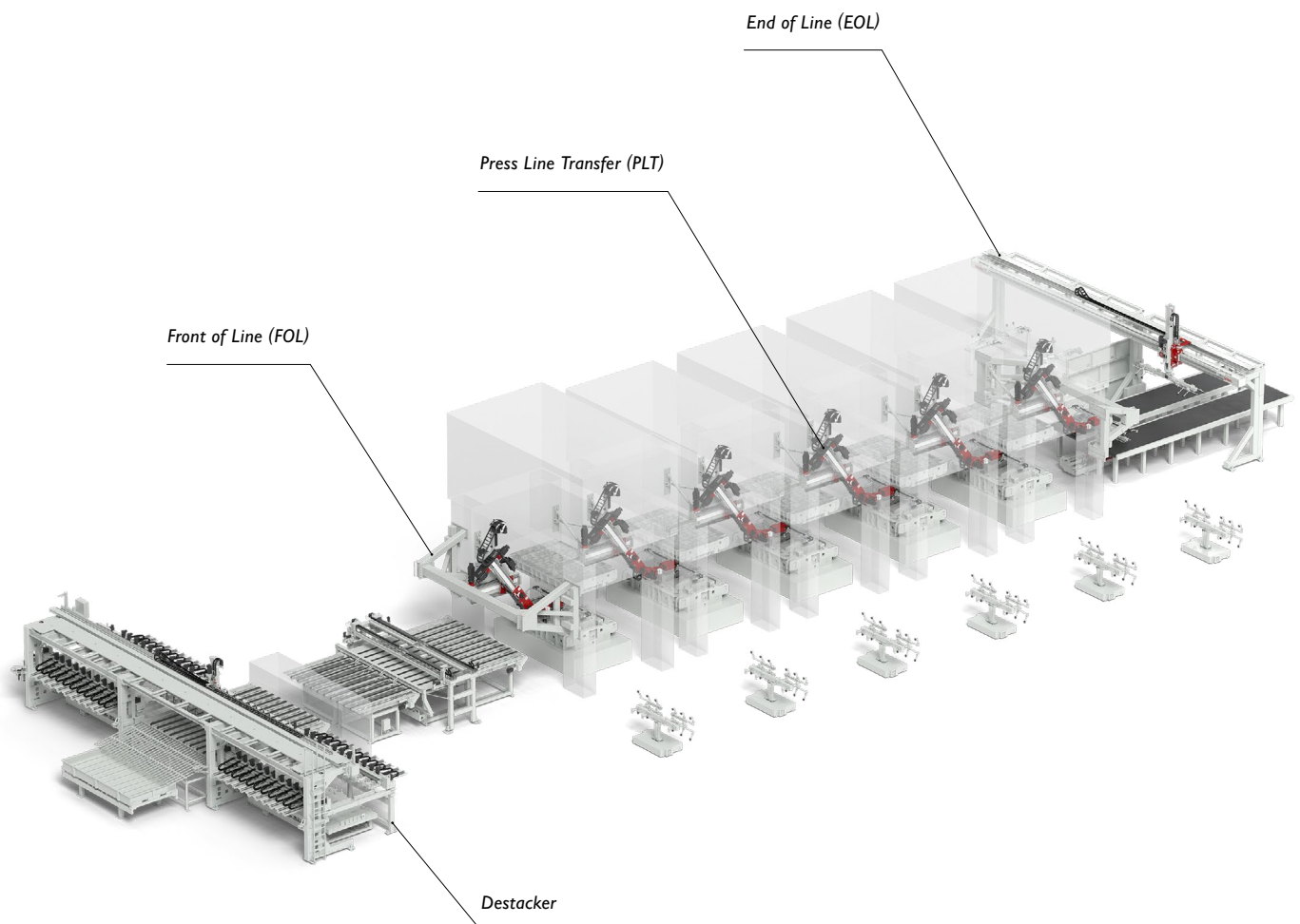
Retrofit

Whether for new installations or retrofit projects, Güdel helps customers maximize the performance of their press automation systems. With decades of experience and a global service network, we modernize both Güdel and third-party equipment through tailored mechanical, electrical, and software upgrades.

From the initial assessment to implementation, we develop solutions that increase productivity, improve reliability and safety, extend equipment lifetime, and reduce downtime, ensuring maximum value from existing assets.

Lifecycle Optimization Program

Güdel's Lifecycle Optimization Program provides a structured approach to maximizing equipment performance, reliability, and service life. Through expert assessment, targeted refurbishment, and ongoing support, we help customers protect their investment, reduce operational risks, and achieve sustainable productivity improvements throughout the entire lifecycle of their automation system.



Swiss automation since 1954

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