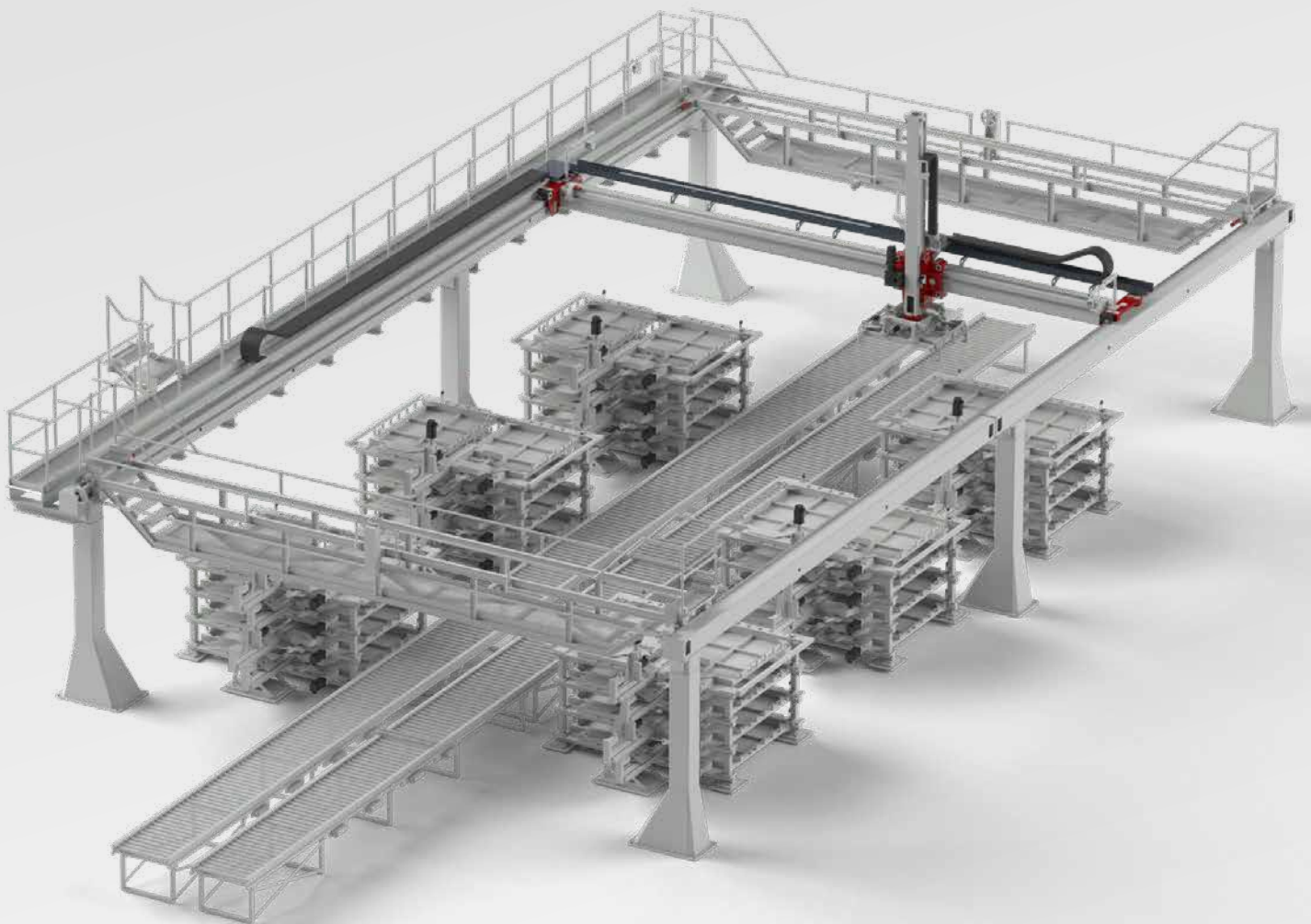


# Automation solutions

for battery production



# Flexible automation for maximum efficiency

## Increased productivity

- High dynamics with speeds of up to 3.3 m/s horizontally and 2 m/s vertically
- Acceleration of up to 6 m/s<sup>2</sup> horizontally and 10 m/s<sup>2</sup> vertically

## Modular design and easy scalability

- Flexible configuration from individual modules to complete systems, including controls
- Easily expandable gantry systems with well-defined interfaces

## Maximum precision and repeatability

- Repeatability of ±0.02 mm for precise automation

## Long travel distances and high load capacities

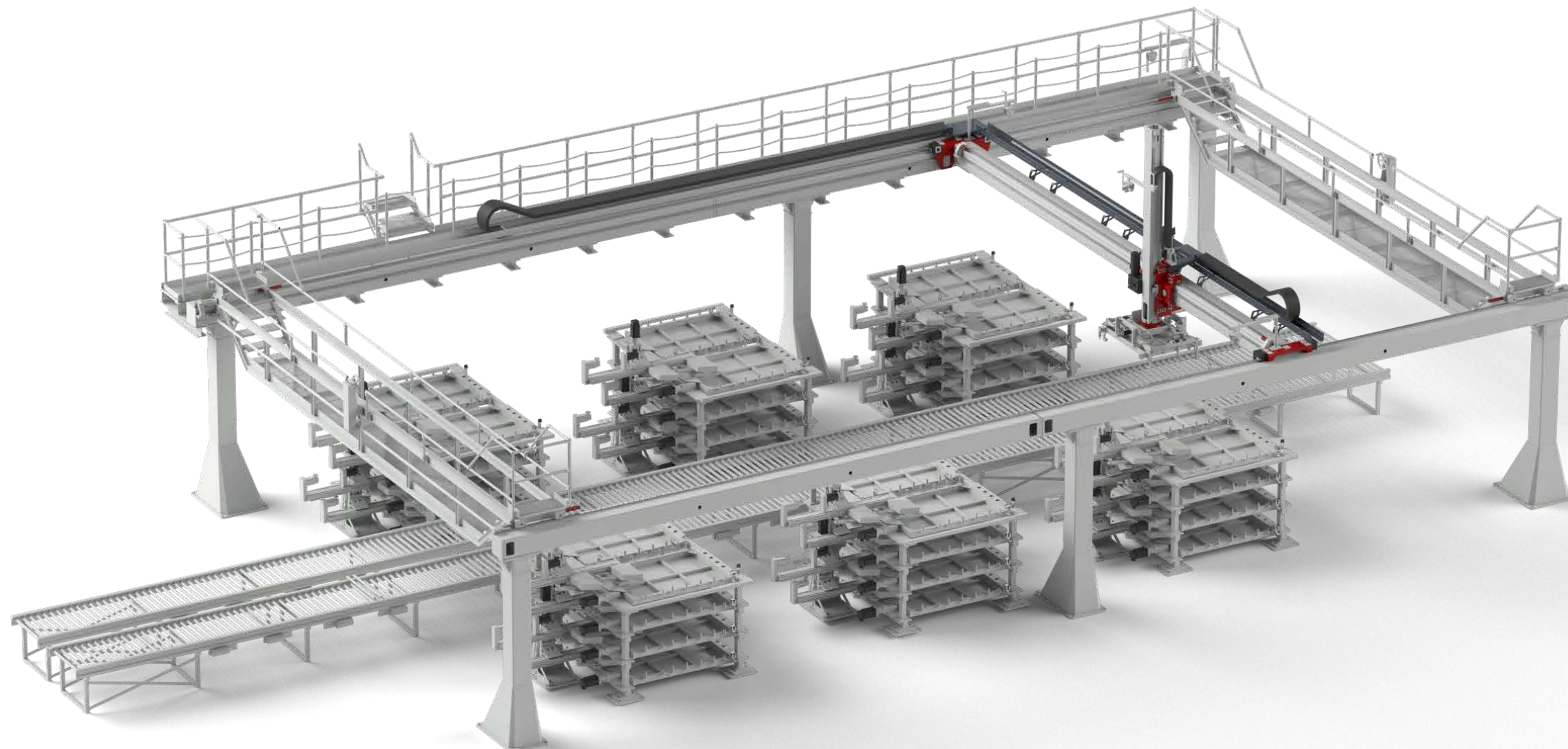
- Travel distances of more than 100m
- Load capacities up to 3125 kg
- Vertical strokes of up to 2.9 m
- Gantry supports with heights of up to 5.5 m

## Everything from a single source

- In-house produced components with a high level of manufacturing depth
- Comprehensive service with high availability

## Cost efficiency and durability

- Robust systems with a long service life
- Smart design for fast and cost-effective maintenance



## Güdel technology – precision in every detail



### 3-axis gantry FP

Versatile gantry system designed for large work areas, heavy loads, and process-oriented applications.



### 2-axis gantry ZP

Flexible gantry for high-dynamic positioning.



### Innovative gripping technology

Reliable handling of various battery models without changing the gripper.



### In-house manufactured components

Racks, pinions, and gearboxes for maximum motion accuracy, suitable for both light and heavy loads.



# GÜDEL

## Swiss automation since 1954

**Swiss made:** Quality and reliability for over 70 years

**Comprehensive solutions:** From individual components to complete automation systems across various industries

**Precision:** In-house manufactured racks, pinions, and gearboxes for unmatched accuracy – this is our DNA

**Powerhouse:** Market leader in handling loads of up to 3 tons

**Future-oriented:** Durable, efficient, sustainable products and solutions

**Globally present:** Expertise at over 20 locations with more than 1,000 employees worldwide

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