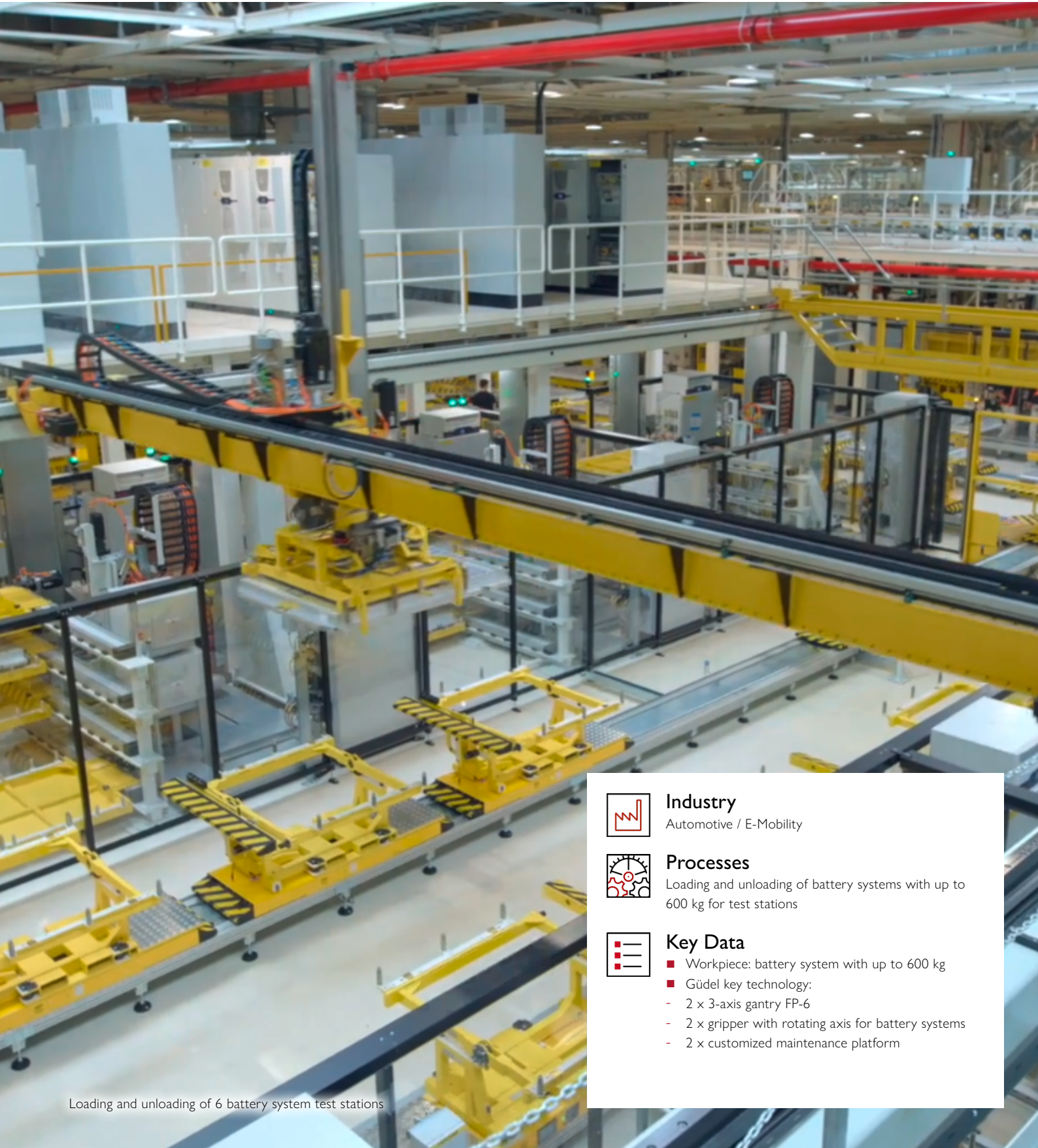


Battery Handling For EV's

Automated loading and unloading of battery system test stations



Industry

Automotive / E-Mobility



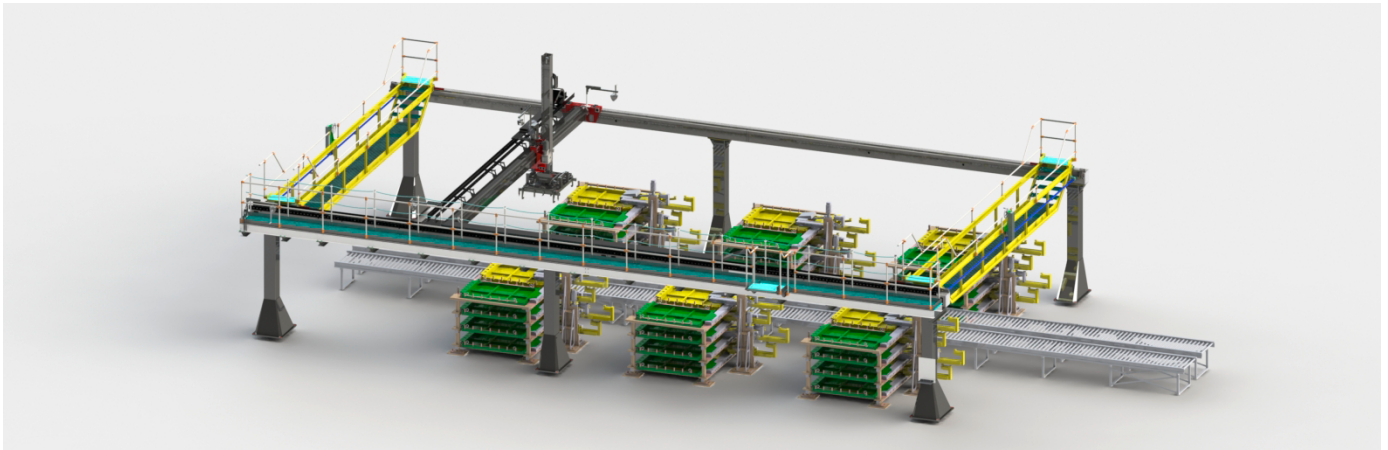
Processes

Loading and unloading of battery systems with up to 600 kg for test stations



Key Data

- Workpiece: battery system with up to 600 kg
- Güdel key technology:
 - 2 x 3-axis gantry FP-6
 - 2 x gripper with rotating axis for battery systems
 - 2 x customized maintenance platform



Layout of the automation solution for the battery system test stations



Process Description

Smooth machine tending

After being assembled, the 600 kg battery systems are transported by customer's conveyor system into the automation system. The battery system is then gripped with the Güdel battery gripper and loaded into a free test station by Güdel FP-6 gantry. After the battery has been tested, it is unloaded again by the gantry and placed on the conveyor system.

Güdel gantry loads the battery systems into the test stations with high precision, which contributes to the high accuracy of the test results.

Safe assembly and maintenance

The system was installed by professional Güdel technicians and was realized in a process-safe manner on schedule. Thanks to the manually adjustable maintenance

platforms, the necessary maintenance can be carried out without complications.

Further competences

Güdel's unique gripper technology is capable of gripping variable workpieces of any weight and dimension. Furthermore, Güdel is always ready to design and realize customized automation solutions.

According to customer requirements, Güdel is also capable of providing the control system for the gantries and grippers as well as the conveying system and safety equipment for the entire automation line.

Güdel Technology

- Automation of testing stations for EV battery systems
- 3-axis gantries, grippers, maintenance platform
- Factory automation
- Machine- & process interlinking
- Worldwide production, assembly and customer services



Güdel Germany GmbH

We, Güdel Germany, a subsidiary of Güdel Group AG with headquarter in Langenthal, Switzerland, are a solution provider for industrial automation. We are specialized in robotics applications, automation solutions and prime care. We support our customers along the complete journey from sales over design, assembly, commissioning to after-sales. With high speed, high precision, heavy payload, maximal availability and reliability all in one, Güdel is your global partner for your individual automation solutions.

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