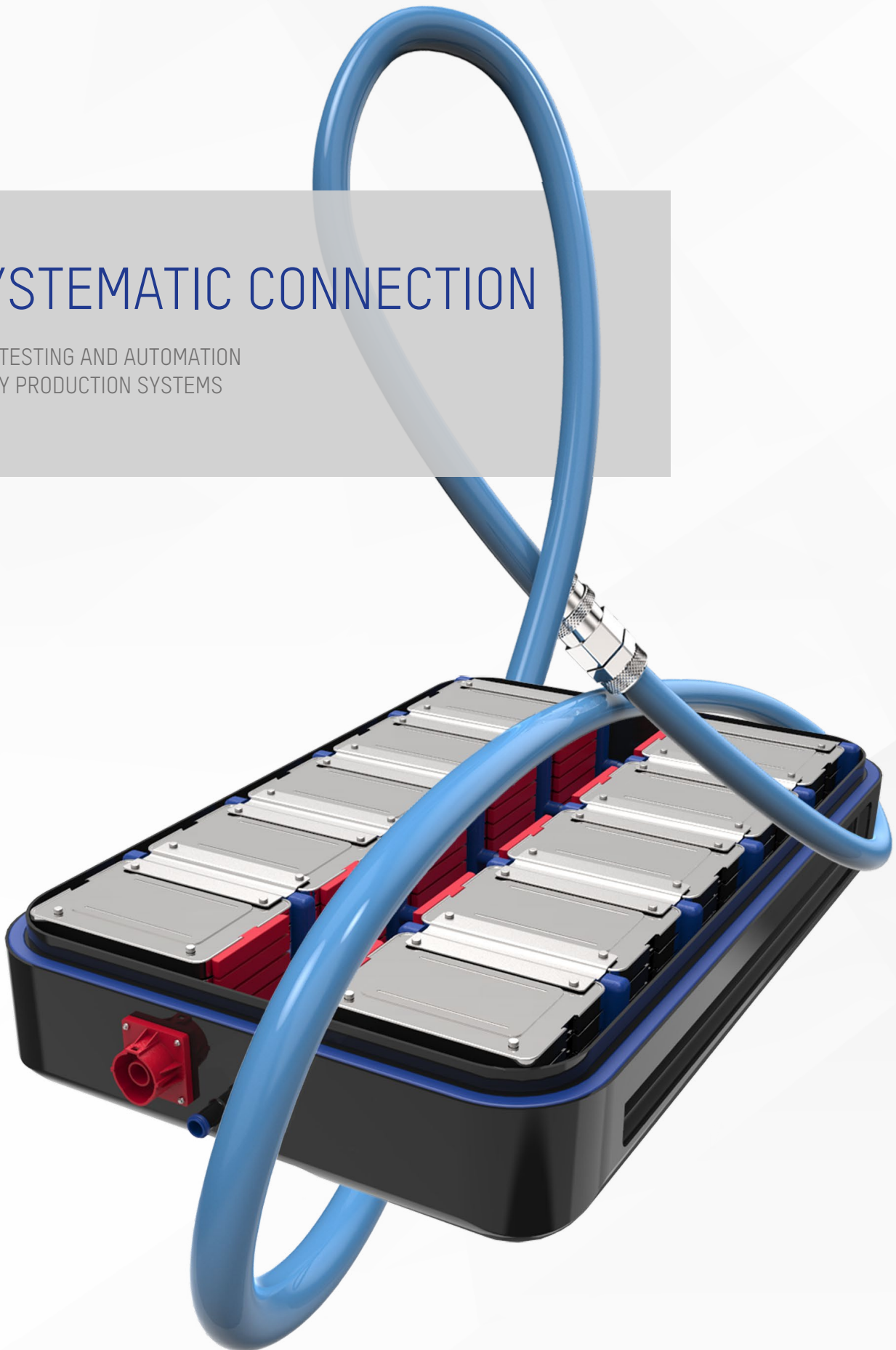


A SYSTEMATIC CONNECTION

FOR LEAK TESTING AND AUTOMATION
IN BATTERY PRODUCTION SYSTEMS



EXPERTISE IN BATTERY SYSTEMS MANUFACTURING

From module assembly to pack assembly to vehicle integration, ZELTWANGER proves its proficiency at every point in the process of battery system assembly. We are specialists in automated leak testing, assembly and laser applications in battery manufacturing. We link our expertise to a comprehensive system that provides tailored solutions based on proven standards for all tasks in battery system production.

LEAK TESTING AND AUTOMATION AT A GLANCE

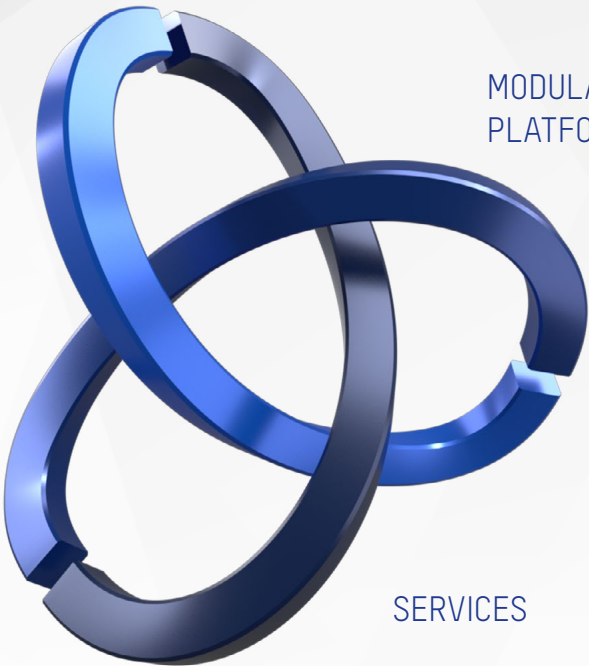
AUTOMATION

ZELTWANGER offers intelligent assembly and testing concepts based on standardized processes and architectures. ZELTWANGER spans the entire spectrum of expertise: analysis, consulting, customer-specific development, software and process integration. ZELTWANGER's work focuses on three areas: leak testing systems, assembly and functional testing systems, and the X-CELL. The latter involves standardized processing cells designed for core processes, such as leak testing, laser welding, laser engraving and handling that can be individually extended.

PROCESSES

MODULAR PLATFORMS

SERVICES



EQUIPMENT AND SERVICE

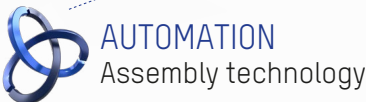
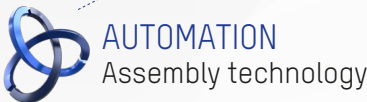
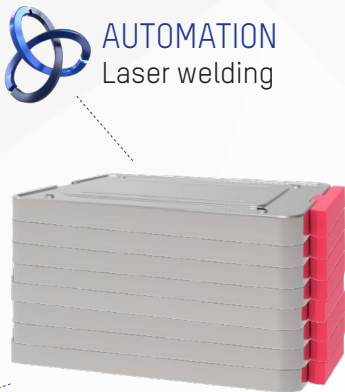
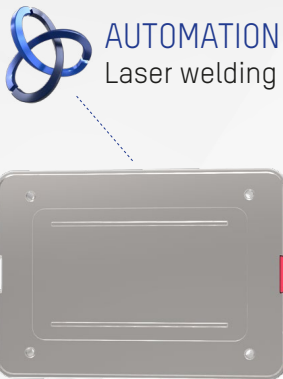
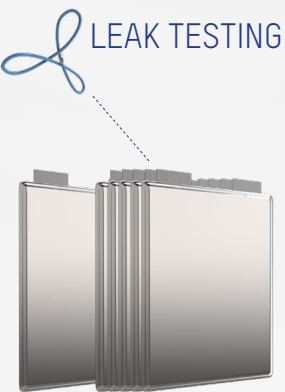
ANALYSES AND TRAINING

ADAPTATIONS AND AUTOMATION



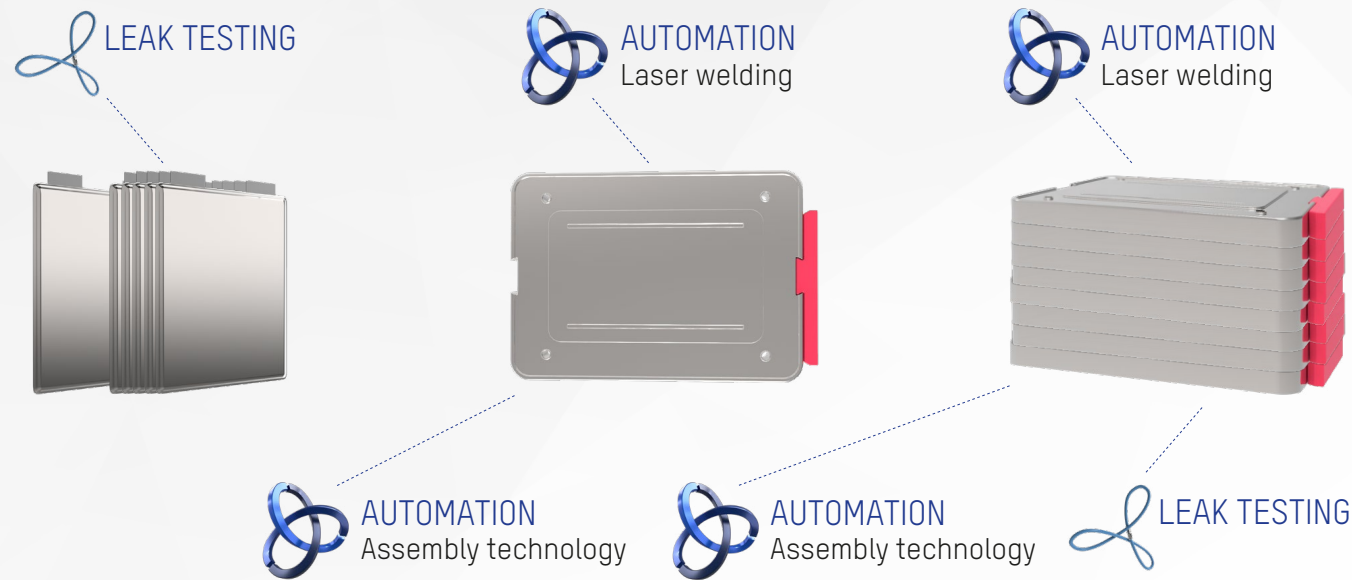
LEAK TESTING

With ZELTWANGER, leak testing has a system. Because successful leak and functional testing requires not only ideal equipment, but a perfectly tuned overall system. ZELTWANGER is a leader in technology and innovation for air-based leak testing, as well as high-end testing devices. It offers comprehensive solutions for analysis, adaptation, automation, services and knowledge transfer.



EXPERTISE IN BATTERY SYSTEMS MANUFACTURING

From module assembly to pack assembly to vehicle integration, ZELTWANGER proves its proficiency at every point in the process of battery system assembly. We are specialists in automated leak testing, assembly and laser applications in battery manufacturing. We link our expertise to a comprehensive system that provides tailored solutions based on proven standards for all tasks in battery system production.



WITH A SYSTEM FOR THE FUTURE

Successful production of reliable batteries is a technological challenge. Complex production processes such as laser welding must go hand in hand with complete, continuously documented leak and functional testing. Optimally merging both worlds — production and testing — requires knowledge of processes and automation. In automation and leak testing, ZELTWANGER specializes for complex assignments. Many customers in e-mobility rely on ZELTWANGER's complete solutions.



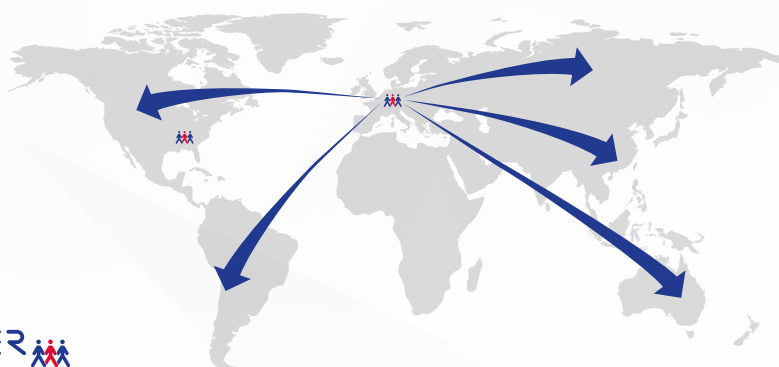
A STRONG PRODUCT LINE



Whether a small mobile device or a complete station, the ZED family of devices stands out for its unsurpassed flexibility. The devices are intuitive to operate, offer trouble-free implementation into existing processes, and can be customized by our own software development.

In X-CELL, ZELTWANGER presents a standardized processing cell designed for core processes, such as leak testing, laser welding, laser engraving or handling. Each cell can be individually extended for other processes.

OUR WORLDWIDE EXPERTISE



ZELTWANGER 
DICHTHEITSPRÜFUNG

ZELTWANGER Dichtheits- und Funktionsprüfsysteme GmbH

Maltschachstr. 32
72144 Dußlingen
Germany
Tel: +49 7072 92897-501
www.zeltwanger.de

ZELTWANGER 
AUTOMATION

ZELTWANGER Automation GmbH

Maltschachstraße 32
72144 Dußlingen
Germany
Tel: +49 7072 92897-701
www.zeltwanger.de

ZELTWANGER 
LEAK TESTING & AUTOMATION

ZELTWANGER Leak Testing & Automation LP
North Charleston, SC 29418
United States of America
www.zeltwanger.com

ZELTWANGER 
AMT

ZELTWANGER AMT s.r.o.
66434 Kuřim
Czech Republic
www.zeltwanger.cz