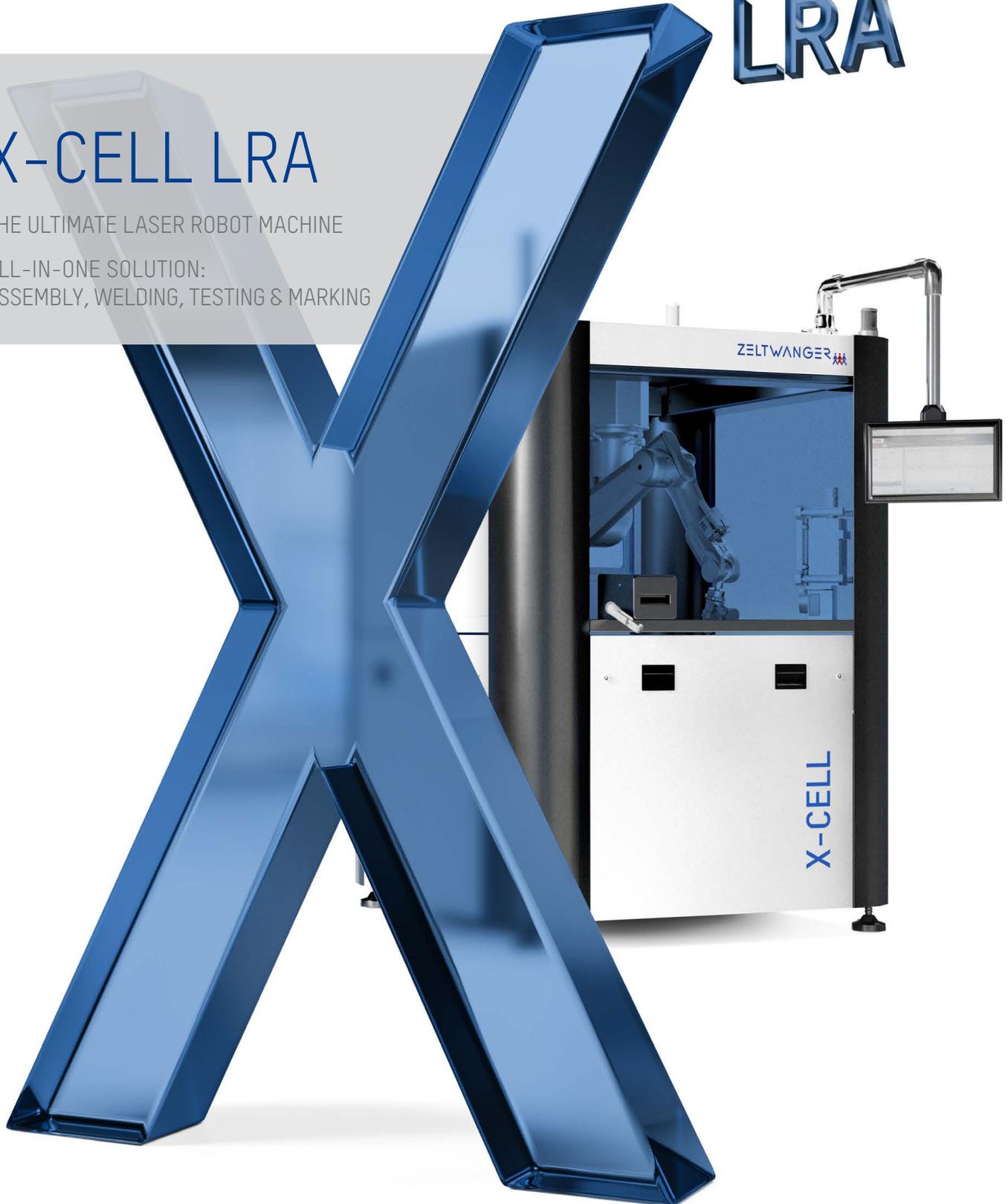


LRA

X-CELL LRA

THE ULTIMATE LASER ROBOT MACHINE

ALL-IN-ONE SOLUTION:
ASSEMBLY, WELDING, TESTING & MARKING

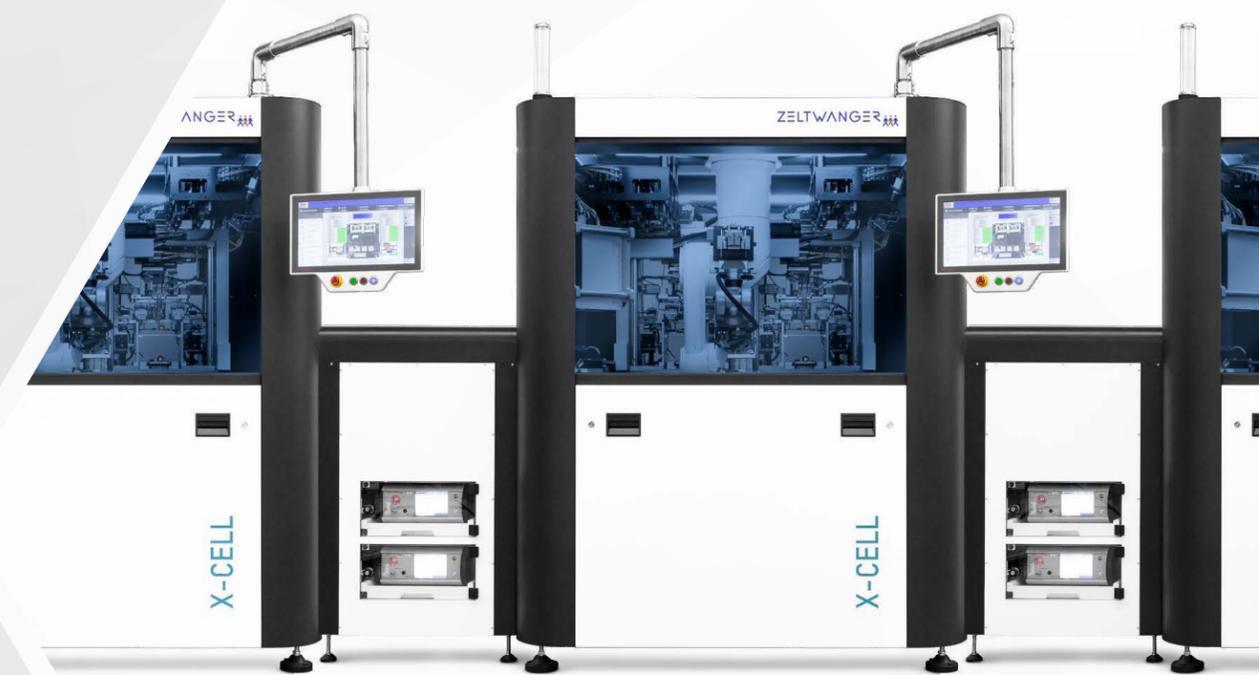


MODULAR:
YOUR CHOICE

SCALABLE:
LINE OR CELL



X-CELL APPLICATION EXAMPLES



- Modular infeed:**
- + Manual feed via drawers
 - + Conveyor belts
 - + Workpiece carriers
 - + Linking of several cells
 - + Rotary indexing table possible
 - + Lift loader
 - + Robots
- Modular integration of process modules:**
- + Mounted on corner pillars
 - + Mounted on ceiling
 - + Laser heads
 - + Slide-in modules on the sides



E-MOBILITY

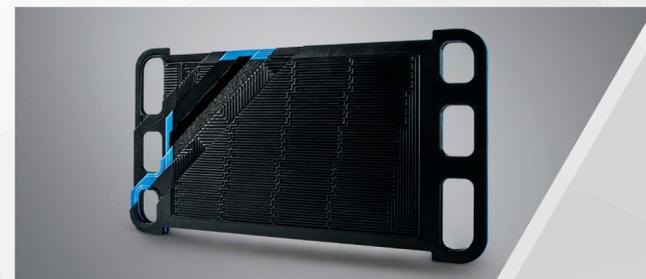
- Electrical contacting
- Surface stripping
- Power electronics
- Electronic control units (ECU)
- Inverters & converters
- E-motors, hairpins

BATTERY TECHNOLOGY (CELLS & MODULES)

- Seam welding
- Leak testing
- Busbar contacting

FUEL CELL

- Hermetic welding
- Leak testing
- Bipolar plates



X-CELL APPLICATION EXAMPLES



MEDICAL DEVICES

- Endoscopes
- Implants
- Catheters
- Medical / dental instruments

MATERIALS

- Plastics
- Ceramics
- Titanium
- Stainless steels for medical technology
- Copper
- Aluminum

PROCESSES

- Seam welding
- Laser marking
- Leak testing
- Black marking (UDI)
- Laser cutting, cleaning





KEY FEATURES AT A GLANCE

- + **49 standard sizes:** Standard lengths and widths: 1.200, 1.400, 1.600, 1.800, 2.000, 2.200, 2.400 mm (47.24, 55.12, 62.99, 70.87, 78.74, 86.61, 94.49 inch). Further sizes upon request
- + **IoT Industry 4.0 inside:** OPC-UA, remote diagnostics, different field busses, safety I/O, intuitive operator Interface, flat screen or mobile panel
- + **Part Automation:** Via robot, automatically guided vehicles (AGV's), conveyor belts, workpiece carriers, turntables, drawers, trays, carousels
- + **3D processing:** With 6-axes-robot or NC axes
- + **Alternative concept:** Individual work cells (instead of classic lines) – provides redundancy and higher production flexibility
- + **Scalability at its best:** Scale your investments – along with your growing production demands. Scale your machine size to your (part) needs
- + **Smallest footprint:** Due to highest integration density
- + **Laser processes:** Include: welding, marking, black marking, ablating, stripping, cleaning, cutting, etc. – in Laser Class I environment
- + **All laser types:** Up to multi kilowatt laser power, various wavelengths (IR, UV, visible)
- + **Materials:** All weldable steels, aluminum, copper, dissimilar metals, plastics, etc.
- + **Production:** 100 % traceability with data matrix, QR or UDI codes – only quality parts leave your plant
- + **Test functions:** Include Leak testing, function testing, high voltage testing, vision, assembly checks, etc.
- + **Install / Transport:** Fork lift machine, single setup in factory, no decommissioning to haul
- + **Serviceability:** Accessible for service on all 4 sides

ZELTWANGER 
LEAK TESTING & AUTOMATION

ZELTWANGER Leak Testing & Automation LP

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