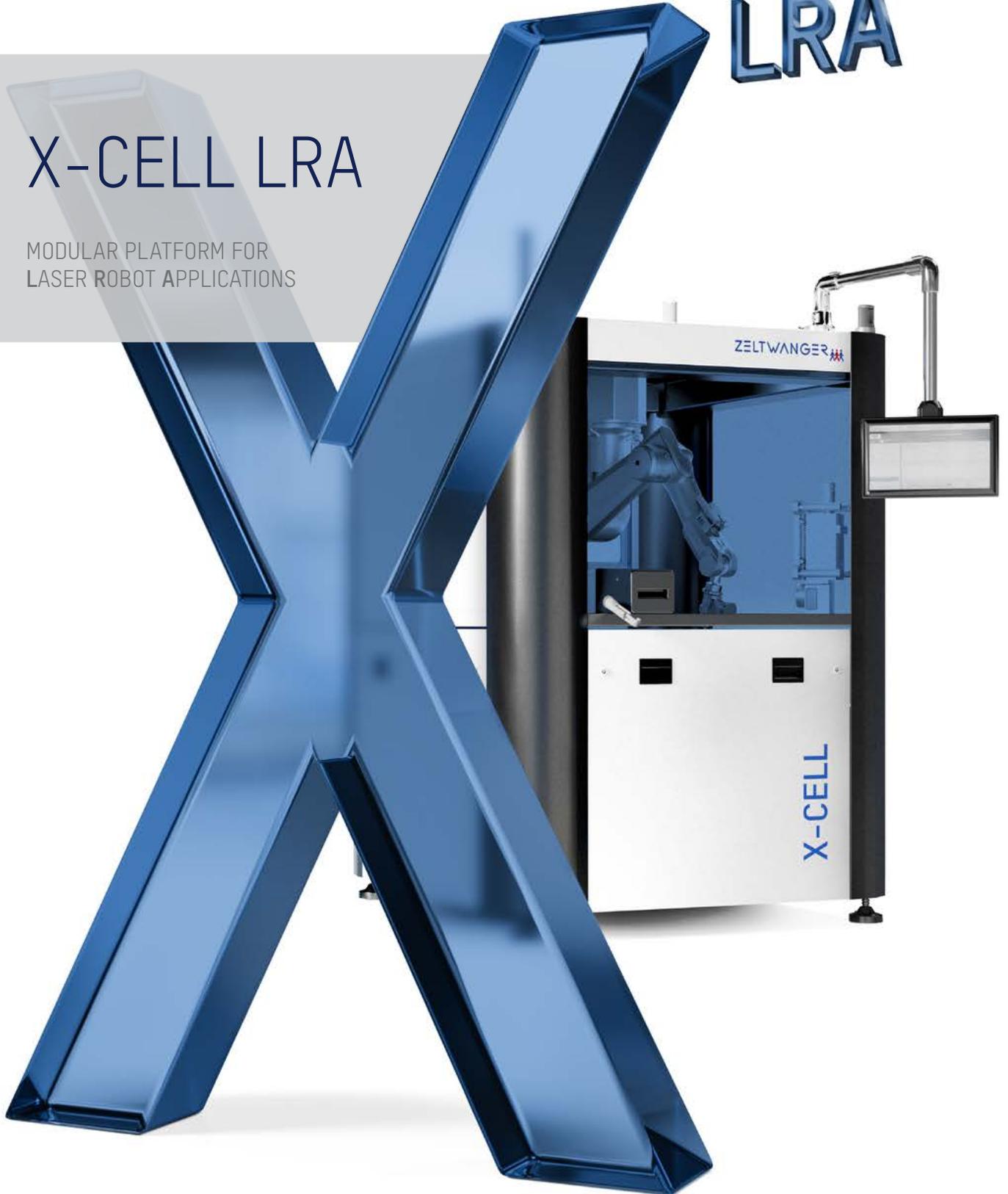


LRA

# X-CELL LRA

MODULAR PLATFORM FOR  
LASER ROBOT APPLICATIONS



# MODULAR



#### Modular basic design:

- + Variably adjustable size
- + Specially designed for laser applications (meets laser protection class 1, lasers up to class 4 can be integrated as standard)

#### Modular workspace:

- + External protection via roller shutter system or laser protective glass
- + Internal handling options by robot, linear handling from above, or linear handling mounted on plate

# SCALABLE



#### Modular feed:

- + Manual feed via drawers
- + Strip circulation with laser bulkhead
- + Strip circulation with lifts
- + Chaining of several cells possible
- + Feed via rotary indexing table possible

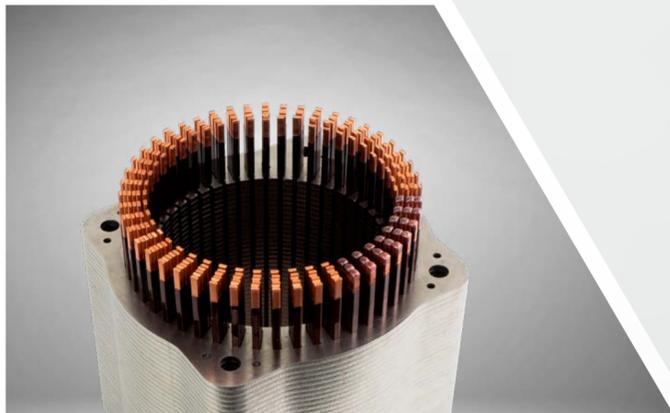
#### Modular integration of process modules:

- + Via slide-in modules on the sides
- + Mounted on corner pillars
- + Mounted on ceiling

## THE MODULAR COMPLETE SOLUTION

LASER ROBOT APPLICATIONS

E-MOBILITY  
Contact  
Paint stripping



BATTERY TECHNOLOGY (CELLS & MODULES)  
Seal welding  
Leak testing  
Busbar contact



FUEL CELL  
Seal welding  
Leak testing



## THE MODULAR COMPLETE SOLUTION

LASER ROBOT APPLICATIONS



MEDICAL DEVICES  
Endoscopes  
Medical instruments  
Implants



MATERIALS  
Plastic  
Ceramics  
Titanium  
Stainless steels for medical technology



PROCESSES  
Seal welding  
Black-marking (UDI)  
Laser marking  
Leak testing





## X-CELL

The robot-based processing cell from ZELTWANGER can quickly and reliably handle assembly, machining, laser-welding, testing, and marking tasks. Due to its modular design, the X-CELL can be used semi- or fully automatically as a flexible standalone cell or integrated into an in-line system. A flexible number of processes can be integrated and individually configured.

### Advantages:

- + Efficient engineering
- + Modular platform
- + Scalable system
- + Tested, reliable, and safe solution
- + Expandable automation
- + Can be integrated into a line
- + Cell chaining
- + Innovative design

### Product features:

- + 49 standard sizes: available lengths and widths  
1200 mm, 1400 mm, 1600 mm, 1800 mm, 2000 mm,  
2200 mm, 2400 mm
- + All laser types: multi-kW power, different wavelengths  
(IR, UV, visible), laser class 1, test class T1



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