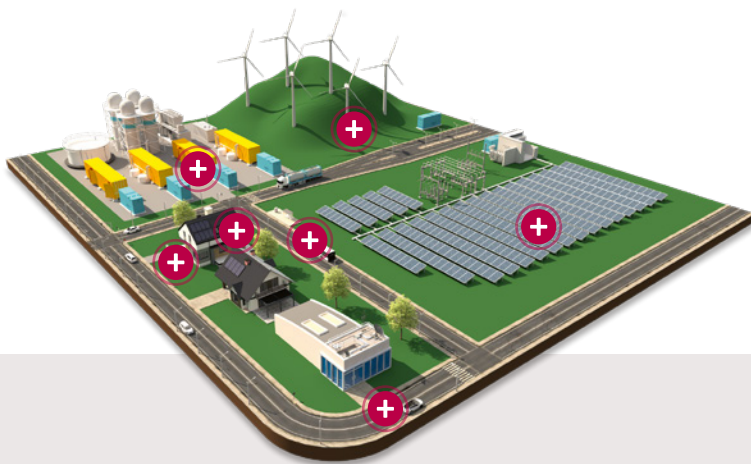




Automation Solutions for Power Electronics

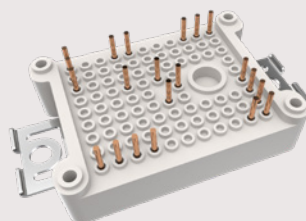
Power electronics are crucial for energy generation, conversion and consumption, especially in green energy applications. They efficiently manage high currents and convert electrical energy into the desired form, which is processed in photovoltaic inverters, wind turbines, electric vehicles or air conditioning for example.

Based on our extensive expertise in the automated assembly of mechatronic components, we are able to develop and optimize assembly and process solutions in the field of power electronics.



Application Examples

- Energy management
- Grid integration
- Power conditioning
- Energy storage
- Charging stations
- Voltage Regulation



Our Key Competencies

- High-precision assembly and inspection systems
- Extensive technology portfolio for use with high cleanliness requirements
- Automatic set-up processes for a large number of product variants
- Machine connection / MES integration



Product Development
Support



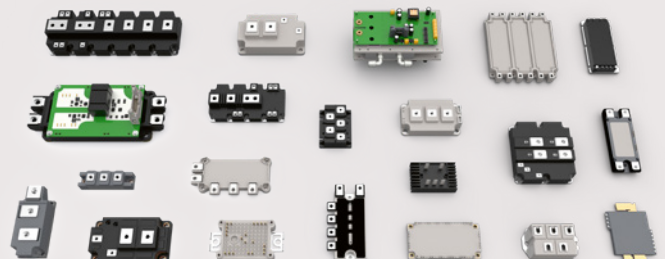
Responsibility as
General Contractor



External System
Integration

Automation Portfolio

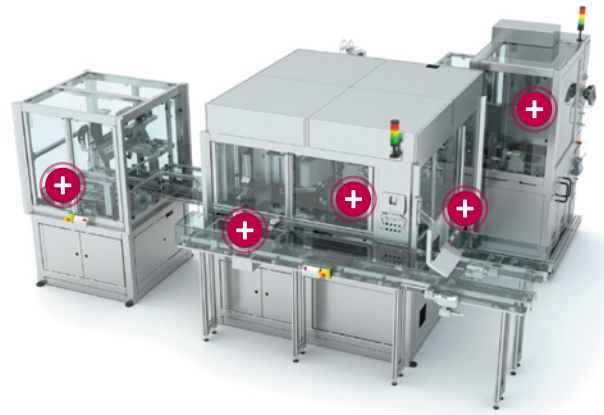
We offer automation solutions for testing and assembly of PCBs, Inverters & IGBTs.



Assembly Solutions for Sustainable Energy

In view of the increasing demand for energy and the global shortage of fossil fuels, we are committed to sustainable energy generation. We use our decades of experience in automation processes and technologies to implement proven assembly and testing solutions for your renewable power electronics product.

All key components such as automation platforms, processes, feeding technology and software are developed in-house. This bundled expertise forms the basis for your customized automation solutions.



Key Automation Processes for Power Electronics

Feeding/Separation

- Flexfeeding
- Trayfeeding
- Vibration Bowl Feeding

Insertion

- Pick and Place
- Cam-Controlled Assembly
- Robot Handling

Pre-/Final Assembly

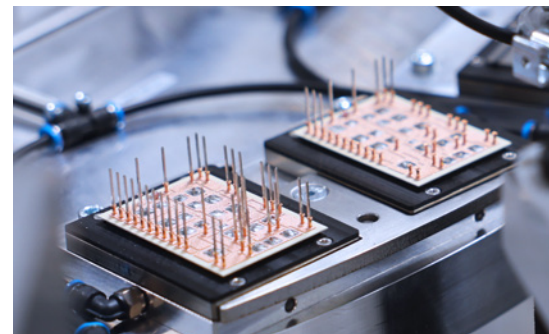
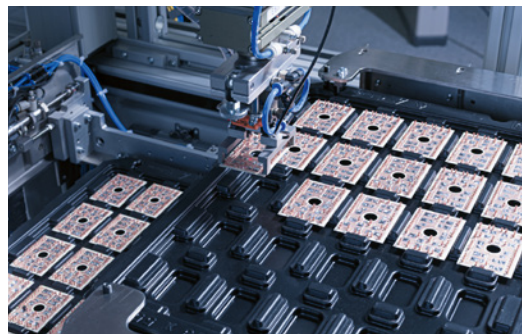
- Press-Fit Connection
- Contact Assembly
- Contact Bending

Testing

- Leakage Test
- Optical Test
- Functional Test

Identification

- Labeling
- Lasering
- Marking



Worldwide leading companies rely on XENON automation systems



That's automation.

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