

IMROTEC

Imrotec, Innovation in metrology and automation & robotics



The goal of our work is to optimize the economic success of our customers by developing and implementing efficient and effective quality strategies as well as customer-specific automation processes.



Benefits of a partnership with Imrotec

We have many years of experiences in collaboration and communication with European and Chinese companies. Our Asian business is supported by an agent in China.

Our strengths lie - based on years of experience - in development, installation and commissioning of complex automation solutions for various industries in Europe and Asia.



Active technology consulting (advice and implementation) in various industries, especially in electromobility at one of the largest German automobile manufacturers, are our trademark.

A large network of engineers and manufacturers around the world gives us the flexibility to respond to a wide range of customer requirements.

Our goal

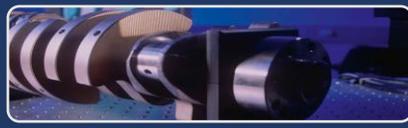
Benefit from our many years of cross-industry experience in all phases of product and process development as well as in quality planning.

Our team's expertise is based on many years of experience in the PV, electronics & battery, automotive, medical and pharmaceutical industries.

We support our customers in the development and optimization of their processes to achieve sustainable technological and economic success.

We would be pleased to send you a reference list upon request.

Our core competences

- A close-up image of a precision optical measurement instrument, likely a coordinate measuring machine (CMM) probe, used for quality control in manufacturing.

Metrology/Evaluation in production
- A photograph of a solar panel manufacturing facility, showing rows of solar cells being processed on a conveyor belt.

Solar Industries
- A person's hands are shown interacting with a tablet computer in a factory setting, with a robotic arm visible in the background.

Robotics/Automation
- A digital graphic featuring binary code (0s and 1s) and a network of nodes, representing software development and IT infrastructure.

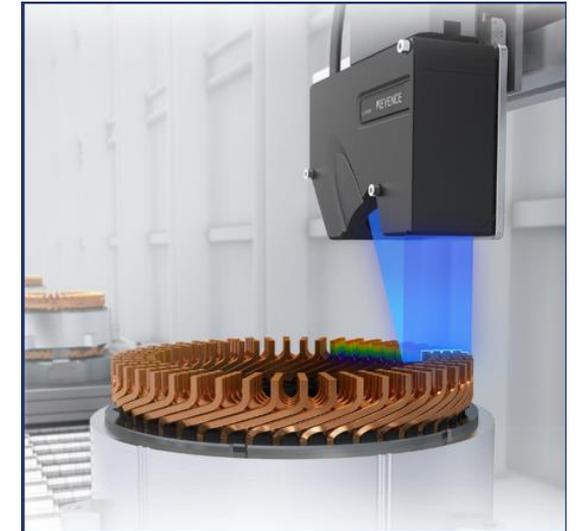
Software
- A person in a business suit is pointing at a large digital display or screen, illustrating technology consulting services.

Active Technology Consulting
- A hand is shown holding a glowing sphere with lines radiating outwards, symbolizing networked services and digital connectivity.

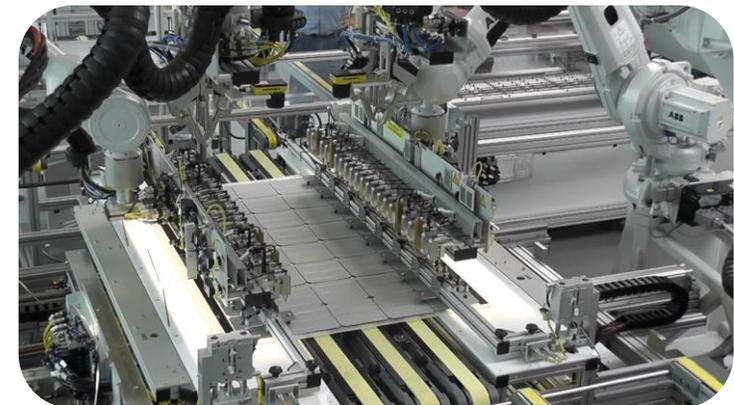
Services

Metrology in production

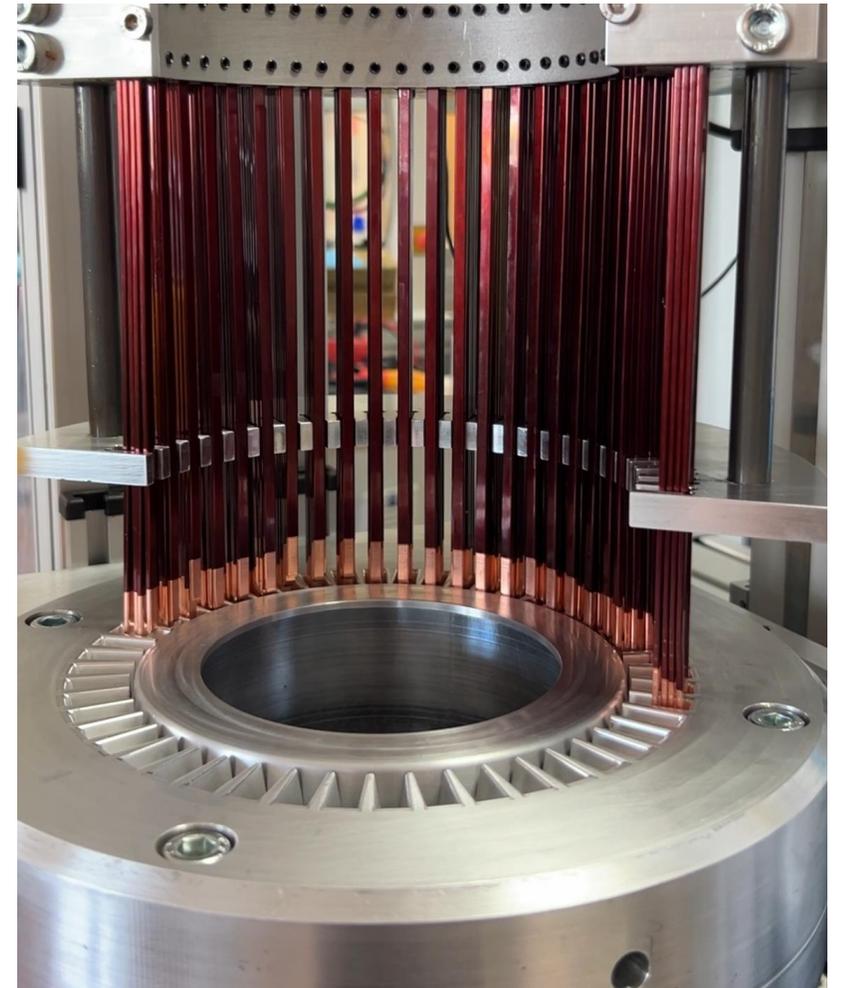
- Optical metrology 2D and 3D for:
 - production and development
 - Quality management
 - Production evaluation
 - Many years of experience in different areas and industries (e.g. solar, LED, automotive, medical technology)



- Measuring of wafers and solar cells
- Handling of wafers
- Gluing of bricks
- Handling of bricks
- Automation of brick processing
- Dedicates of experiences regarding value-added chain of solar industry



- Universal robot specialist
- Conceptual design as well as manufacturing
- Automation of measuring systems for quality assurance
- Electrical planning / control cabinet assembly
- Turnkey systems
- Feeding and discharge of workpieces as well as subsequent rework



Versatile software development

- PC-Systems: OpenCv; TensorFlow (KI), C# sowie C/ C++
- PLC: Siemens, Schneider, Beckhoff
- Databases: Oracle, MySQL, PostgreSQL MSSQL
- Robot programs: UR, KUKA, Mitsubishi



- Project management
- Planning and implementation
- Customized consulting and solutions
- Product and process development
- Optimization of production and quality
- Process improvement
- The right technology for the right application/process
- Strategic business development
- Sustainable technological concepts



- Support of your projects on the basis of a service contract in all core competencies
- Automation of production processes
- Development and integration of automation and robot systems
- Training and maintenance of the systems
- Mechanical Engineering
- CE marking and documentation

Thank you for your attention!



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