

ADVANCED PRODUCTS

# Electrification

## Components & assemblies for e-mobility and energy storage

Electrification is transforming entire industries – from e-mobility and energy storage to renewable energy. STIWA is your **reliable partner in this transformation – from the initial concept and development stage to fully automated, high-volume production reaching millions of units.**

### Comprehensive solutions for an electrified future.

Success starts with production-oriented product design – in close collaboration with our customers. **With decades of experience in highly automated manufacturing,** we develop innovative solutions **for electrification and other demanding industries.**

Based on target volumes, quality requirements, and cost objectives, we optimize products and production processes for maximum efficiency and profitability. By seamlessly integrating **product development, automation, and manufacturing,** we create a **fully aligned end-to-end solution.**



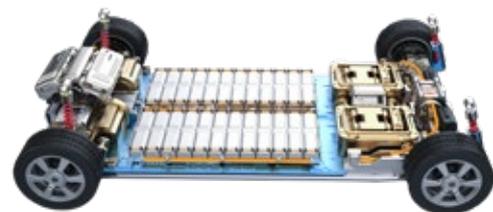
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### Product examples

#### Components & assemblies for batteries and energy storage

- Components & assemblies for battery cells, modules and packs
- Busbars and contact systems for battery modules and packs



#### Components & assemblies for hybrid and electric drives

- Innovative combinations of plastic and metal, along with diverse manufacturing processes, enable the production of mechanical and mechatronic assemblies – e.g. power-electronics and high voltage assemblies

# Decades of experience & expertise

We manufacture more than 60 million products annually on over 100 production lines. STIWA Manufacturing impresses with maximum flexibility, from small to large series. The high level of vertical integration enables the shortest possible control loops between individual part production and assembly.

We rely on our extensive, proven in-house production technologies to deliver outstanding results:

HIGH SPEED ASSEMBLY

STAMPING  
(in-house tool shop)

INJECTION-MOULDING  
(in-house tool shop)

LASER-WELDING

MACHINING & ADDITIVE MANUFACTURING

CLEANROOM PRODUCTION



## STIWA combines high-precision manufacturing, innovative materials & advanced automation.



### SINGLE-PART PRODUCTION

The manufacturing of single parts, from stamping and plastics to machined parts, takes place directly in-house at STIWA. Our high level of vertical integration provides us with profound expertise in each individual component. Combined with advanced in-house automation, this enables us to react with maximum flexibility to product optimizations and design changes.

### ASSEMBLY PRODUCTION

Thanks to the highly automated solutions of our sister company STIWA-Automation, we achieve the fastest cycle times and ensure the lowest total costs as well as the highest quality through 100% in-line testing

### CERTIFICATIONS

IATF 16949, ISO 9001:2015, ISO 14001:2015



### CONTACT



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STIWA **Manufacturing**   
Electrification



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