

ADVANCED PRODUCTS

STIWA Battery Cell Housing

YOUR GLOBAL ONE-STOP SHOP



COMPETITIVE PRICES
THROUGH

Autonomous Production

Extensive Value-Chain

Innovation

DFMA

With our expertise, we ensure efficient solutions that guarantee the highest quality and reliable results.

Battery cell housings require customized solutions. STIWA supports OEMs and battery manufacturers throughout the entire process – from the first idea through product and process development to fully automated high-volume production of prismatic and cylindrical cells.

The housing, consisting of cap and can, is a critical safety component that must meet the highest standards for sealing, electrical conductivity, mechanical strength, and technical cleanliness. A smart, space-efficient design is essential for maximizing energy density and performance. With flexible, highly automated systems, STIWA ensures consistent quality and efficiency across applications in automotive, smart mobility, energy storage, and industrial applications.

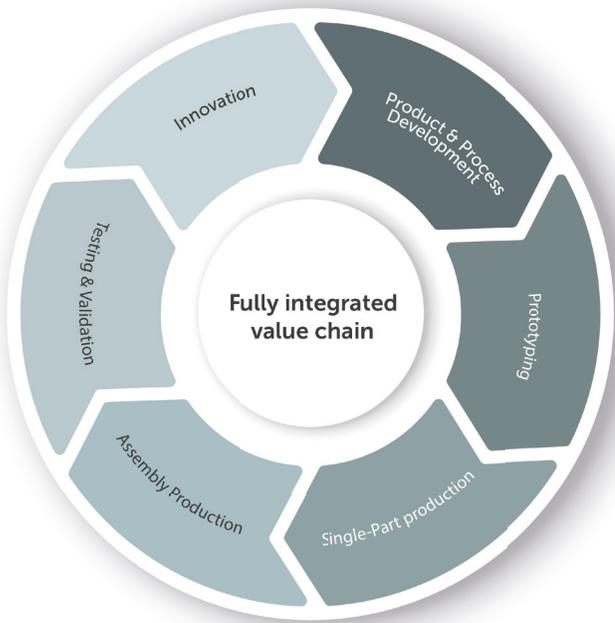


STIWA's expertise in designing Battery Cell Housings to meet the highest requirements

- Venting Behavior
- Safety
- Manufacturability
- Heat Dissipation
- Joinability & Welding
- Isolation & Conductivity
- Mechanical Load Capacity
- Electrolyte Filling
- Tightness & Electrolyte Resistance



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



SINGLE-PART PRODUCTION

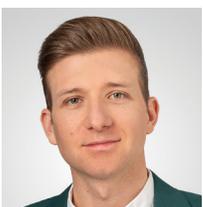
The manufacturing of single parts, from stamping and plastics to machined parts, takes place directly in-house at STIWA. Our high level of vertical integration gives us a deep understanding of the interrelationships between components and enables us to respond with maximum flexibility to product optimizations 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



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STIWA **Manufacturing** 
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