

ADVANCED PRODUCTS

Powertrain & Automotive

Components and assemblies for mobility

Modern drivetrain systems demand the highest precision, reliability, and efficiency. STIWA is your trusted partner for **mechanic/ mechatronic transmission components and engine-proximate parts**, that play a key role in power transfer and efficiency enhancement. Our range includes **high-precision shifting systems, shift forks, parking locks, and assemblies for high-pressure injection systems, including but not limited to these areas.**

Innovative solutions for demanding systems

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 **automotive 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.**



Product examples

Shifting systems & shift forks



For decades, we have been manufacturing highly precise shifting components in millions – fully automated – for numerous OEMs worldwide.

Parking lock assemblies



Mechanical parking locks, custom-made to customer specifications, used in powertrains of combustion engine, hybrid, and electrified vehicles.

Laser-welded assemblies



Our state-of-the-art laser welding processes ensure precise and durable joints, for example in steering-assemblies, shock absorbers, or seat assemblies.

Assemblies for high-pressure injection systems



Our components for high-pressure fuel supply contribute to increased performance and efficiency of modern engines, with the highest manufacturing precision and reliability.

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

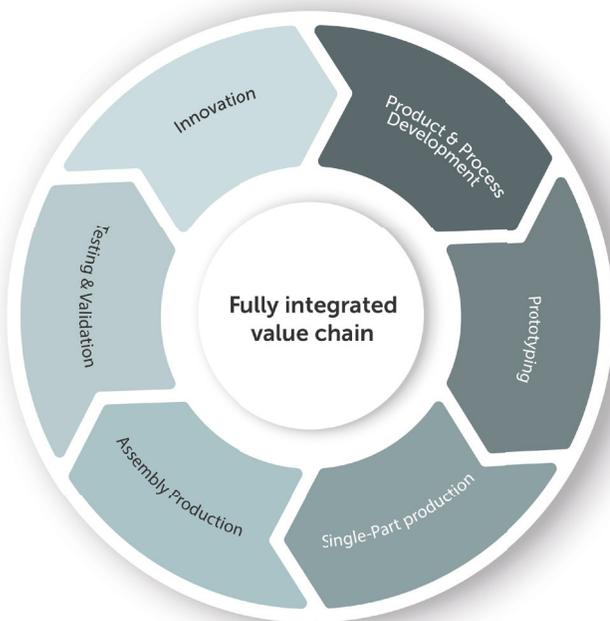
The manufacturing of single parts, from stamping and plastics to machined parts, takes place directly in-house at STIWA. Our high level of vertical integration provides us with profound expertise in each individual component. Combined with advanced in-house automation, this enables us to react with maximum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



11

sites

60 Mio.

produced parts/year

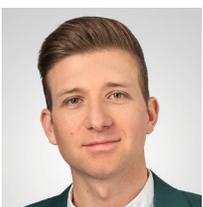
50,000 sqm

production area

> 2.200

Employees

CONTACT



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STIWA Manufacturing 
Powertrain



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