

Test Faster. Build Smarter.

Bring high-volume efficiency to your defence production

The defence industry is facing a new dynamic: **rising production volumes** are meeting **complex system requirements**. Konrad Technologies closes this gap. We transfer our decades of expertise in high-volume manufacturing from other industries directly to the low-volume defence sector.



The result:

Scalable test systems that increase your **first pass yield** from **35-40 % up to 90 %**.

Scalable intelligence for your production line

As your senior partner, we don't just see test systems as a necessary evil at the end of the line; we see them as a strategic lever. Our solutions support your product throughout its entire life cycle, from laboratory validation to end-of-line production testing.

- **Automation as standard:** We replace manual, error-prone processes with fully automated handling systems and robotic solutions that increase throughput and eliminate human error.
- **Modular flexibility:** Our PXI/PXIe-based platforms are not rigid, monolithic structures. They can be scaled up to meet your evolving needs. This means that you can expand your capacity in the short term without having to redesign your test infrastructure at great cost.
- **Data-driven optimisation:** Through seamless integration with your existing MES and ERP systems, we make quality data transparent and usable.



„We help defence companies to test complex systems for operational readiness more quickly, more securely and more cost-effectively.

Our platforms are ready – are yours?“

– Michael Konrad, CEO

Aerospace & defence applications

Our service portfolio in the aerospace and defence area with clear benefits for your business:

- **Build to Print:** We build test equipment exactly according to your blueprints. Ideal for quickly expanding capacity.
- **Obsolescence Cleanup:** By modernising outdated technology, we enable you to maintain long-lasting aircraft fleets. We support you from the initial idea to completion, including feasibility testing and implementation management.
- **ESS, HALT, HASS Tester:** Stress test systems expose components to extreme heat, cold or vibration in order to prevent early failures. For this purpose, we design customised special test equipment for specific systems without standard testers (**Special to Type Test Equipment STTE**).
- **LRU & SRU Tester:** We test replacement boxes and circuit boards to enable cost-effective repairs.
- **Software Development:** Programming of control software for automation and documentation of test results.
- **Optoelectronic Development, Assembly and Testing:** Development, precise assembly and comprehensive testing of optoelectronic systems and components. The aim is to ensure maximum performance, reliability and reproducible quality throughout the entire product life cycle.

Your competitive advantage at a glance

- **Maximum efficiency:**
Up to 66 % increase in efficiency through intelligent automation and software.
- **Technology transfer:**
Benefit from proven high-speed processes for your safety-critical products.
- **Smart integration:**
Seamless connection to your MES/ERP systems and state-of-the-art sensor fusion (LiDAR, camera, radar).



Ready for the next step? Get in touch with us!



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