



Tunnel Installations for End-Of-Line Testing



Innovative system design at full speed.

With single-source System Solutions from weissttechnik.



Good. Better. Together.

weissttechnik companies are among the most innovative and important developers and manufacturers of environmental simulation, heat technology and climate technology systems. We have developed solutions to satisfy the highest requirements, particularly for automotive suppliers and the electrical industry. That's why notable manufacturers and their customers around the world use our test equipment. We are here for our Customers, 365 days a year, 24 hours a day. Our thinking and acting are always service-oriented. With our specialised Service Teams, we offer you sustainable solutions from a single source for successful, long-term, partner-based cooperation.

All functions - one testing process.

Electronic components need to function reliably throughout their life cycles - particularly vehicle safety components such as control units or sensors. weissttechnik is your experienced partner for creating compact Test Tunnel Systems. These provide you with reliable 100% check of electronic components and assembly functions under extreme conditions. Our high-precision Tunnel Systems are available with cooling, heating and cool-down tunnels. The number and sequence of modules and tempering zones can be varied and customised to meet your needs.

Tough enough for any extreme.

Tunnel Installations for End-Of-Line Testing with transportation systems and electrical contacting.

Tailor-made for every demand.

With our modular, customised End-Of-Line Tunnel Solutions, you can complete electrical testing reliably and carry out combined electrical/pneumatic or electrical/hydraulic tests. Our devices can test large quantities in a short time in continuous industrial operation. We recommend integrating the system early on into the overall planning of your production line - and we also offer customised solutions for your existing production line as well.

Fully integrated tempering.

The heart of our system is the tempering tunnel with workpiece carrier transportation system. The tunnel cools test specimens to $-40\text{ }^{\circ}\text{C}$ before testing their function on a contacting station. Before the second functional test, the test specimens are heated up to $120\text{ }^{\circ}\text{C}$ and are then ready for further processing after passing through the cooling tunnel. We can determine precise plans for cycle time and re-tempering through testing. This ensures your testing processes run smoothly.

Planning for your testing and your test specimens.

Our Test Tunnel Systems offer comprehensive safety measures and adjustable tempering times to meet the varying requirements of different test specimens. We can also provide product-specific exchangeable mounts on our workpiece carriers upon request. The workpiece carriers offer space for more test specimens to increase your throughput. We can also add a second conveyor belt to our plans.



Our highlights:

- Flexible, modular design
- 100% testing under extreme conditions
- High throughput, short run times

We ensure outstanding measurement precision with short test times - for more efficiency and production safety.

More expertise for more control.

Optimal system planning with weissttechnik.

Always the right solution.

Whether installation, renovation or retrofitting - success through flexibility.



Modular design, compact solutions.

Our Modular System not only simplifies transportation and set-up of your equipment - conversions and retrofitting with additional tunnel elements are also much simpler. Our Systems can be arranged in a block or in a compact line. When arranged in a line, workpiece carriers are returned under the tunnel system to save space. Loading and unloading can also be flexibly integrated into your logistics system - manually or using a robot on site.

Fast and efficient.

Our project team plans and implements your projects for optimal system design. Function, safety, energy consumption and availability are coordinated to match your operating processes. We can even set up and test your system in advance at our in-house plant or your location. Our years of experience in project management ensure the process runs smoothly and fulfils all specified project targets.



Plannable. Efficient. Networked.

Optimal software integration for smooth processes.



All interfaces perfectly under control.

Planning all of the interfaces is highly important to ensure perfect integration of the Tunnel Installation for End-Of-Line Testing. This ensures an effective software connection to an existing PLC and production line as well as the design of individual tunnels. The cooling tunnel can be air-cooled or operated with a water-cooled heat exchanger or a cooling aggregate. The placement of the aggregate, switch cabinet and compressed air dryer are planned to fulfil your technical and spatial requirements precisely.

Experience, network and service.

As a general contractor, **weisstechnik** has been handling full production, commissioning and maintenance of Tunnel Installations for End-Of-Line Testing for 30 years. Thanks to our long-term experience in environmental simulations, we can guarantee you short switching rates and good temperature precision. After commissioning, our qualified Service Technicians ensure your system runs smoothly - with reaction times between four and six hours if necessary. **weisstechnik** also develops Curing and Calibration Tunnels based on our heating and cooling technology, backed by a highly qualified network of specialists.

Well served.

For test systems without unplanned downtimes.



We measure ourselves by our service!

Our services -
lots of good reasons:

- Global service network
- Wide selection of preventive maintenance
- Reliable spare part supply
- Special deployments available any time
- Certified proper disposal of outdated devices

Our Service Experts are always near you.

24/7-Service-Helpline:
+49 1805 666 556

Passionately innovative.

We work in partnership to support companies in research, development, production and quality assurance. With 22 companies in 15 countries at 40 locations.

weisstechnik

Test it. Heat it. Cool it.



Environmental Simulation

The first choice for engineers and researchers for innovative, safe environmental simulation facilities. In fast motion, our test systems can simulate all the influences in the world as well as for instance in space. In temperature, climate, corrosion, dust or combined stress tests. With a very high degree of reproducibility and precision.



Air Solutions

As the leading provider of clean rooms, climate technology and air dehumidification, we consistently ensure optimal climatic conditions for people and machines. For industrial production processes, in hospitals, mobile operation tents or in the field of information and telecommunications technology. From project planning to implementation.



Heat Technology

Experienced engineers and designers develop, plan and produce high-quality, reliable heat technology systems for a broad range of applications from heating and drying cabinets to microwave systems and industrial furnaces.



Pharmaceutical Technology

With decades of experience and know-how, we guarantee the most sophisticated clean air and containment solutions. Our comprehensive and innovative range of products includes barrier systems, laminar flow systems, safety workbenches, isolators, airlocks and stability test systems.

Weiss Umwelttechnik GmbH

Greizer Straße 41-49
35447 Reiskirchen/Germany
T +49 6408 84-0
info@weiss-technik.com
www.weiss-technik.com



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Illustrations may contain options.
Subject to technical changes.