

Technology x Enthusiasm = Performance

Testing on test benches

PTS-Prüftechnik GmbH is internationally active in the fields of vehicle development, testing, engineering and consulting with more than 200 employees. At its headquarters in Waldstetten near Schwäbisch Gmünd, the company has 3 locations, further branches are located in Remshalden, Fellbach, Kreut near Ingolstadt and Wolfsburg.

The company is divided into seven business segments:

- Engineering
- Testing on test rigs
- Simulation
- Cooling circuit development
- Vehicle testing
- Vehicle technology
- Test bench technology



Deutsche
Akkreditierungsstelle
D-PL-21096-01-00

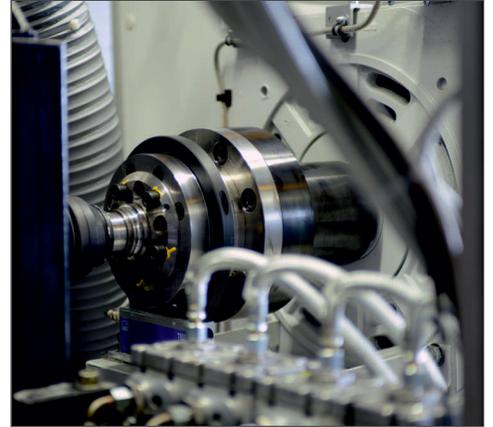
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Testing on test rigs

Testing drives and powertrains is one of the most important tasks in vehicle development and is becoming increasingly complex. **Increasing demands** on mechanical performance and the continuous improvement of efficiency require special and efficient testing and measuring procedures at every stage of development.

In this dynamic environment, our customers rely on our **proven methods** with over 65 **fully automated test benches** in the development and testing of the Powertrain. To test all types of drive concepts, we use fully automated test rigs configured individually for each requirement. In our test field for powertrain components/systems or the entire drive train, functional tests, benchmark tests, misuse tests, durability tests, etc. are carried out for all relevant parameters such as torsion, torques, speed and much more.

The following list shows which advantages result from our interdisciplinary know-how and our extraordinary infrastructure.

Advantages for our customers

- **Road to Rig test rig:**
Due to the high control frequency of 10 kHz, the test specimen is subjected to realistic stress, which reduces complex, real driving tests and **reduces time and development costs**.
- **Preliminary simulation of the test execution:**
A detailed pre-simulation shows possible problems early on and thus **reduces rework and corrections** in advance.
- **Optimized test facility management**
The parallelization of the specific processes such as the planning of the test setup, simulation and programming of the automation achieves a significant **time saving** until the start of the test.
- **Automated test field monitoring**
With the help of our specially developed test field monitoring system, it is possible for us to evaluate quality and process data across our entire test field and across various locations in real time and to display them graphically in a clear manner. This enables us to achieve **optimum capacity utilization** and reduce downtimes during the implementation phase.

When would you like to find out which advantages our services offer you?



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Facing the future together with PTS-Prüftechnik!

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