

Technology x Enthusiasm = Performance

Unique selling points of PTS-Prüftechnik

From the individual requirements of different areas of a customer, we put together suitable overall projects that produce the desired results as well as new findings. We generate solutions with a unique added value that convince our customers.

- Even amazing** Degree of utilisation of our testing facilities
- Optimized** Development process in thermal management
- Worldwide** Unique test bench technology
- Smart** Data management in vehicle testing
- Significant** Time and cost reduction through R2R technology



Deutsche
Akkreditierungsstelle
D-PL-21096-01-00

The accreditation applies to the in the certificate system
D-PL-21096-01-00 listed accreditation scope.

PTS-Prüftechnik GmbH

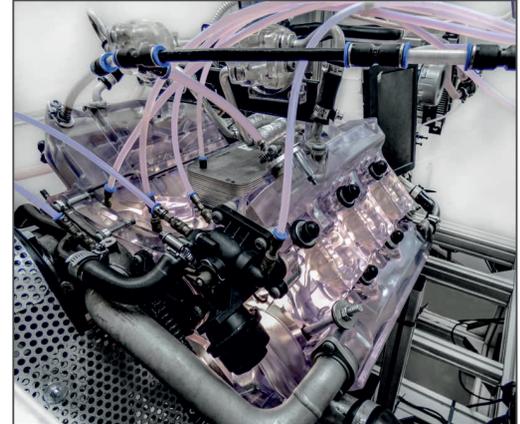
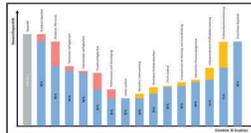
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Facing the future together - with PTS-Prüftechnik



Why PTS-Prüftechnik?

With our know-how in the development and testing of drive systems, the validation of thermal properties and the performance of road tests, we shape the drive technologies of the future. As an independent service provider, we have a high level of expertise that enables us to offer our customers the best possible solution from a single source.

Optimized test facility management

On the base of the total annual hours, the degree of utilization of our testing facilities is up to 90%. We achieve this through:

- the parallelization of specific processes of a modern test sequence
- our highly flexible modular test rig, which significantly shortens assembly and conversion times
- Fully automated and networked test facilities with an intelligent concept for monitoring test sequences and implementing operating data in predictive maintenance and repair that avoids downtimes and test bench-related failures.

Cost- and time-optimized development process in thermal management

Immediately after completion of the design, investigations of the flow characteristics of transparent components are started, thus excluding subsequent tool changes, significantly shortening the project duration and significantly reducing costs.

Efficiency analysis and efficiency optimization

Our test rig technology, which is unique worldwide, enables the most precise efficiency tests and optimizations to be carried out on all powertrain components, entire drive trains and electric drives.

Reduction of driving test scopes through Smart Data

We systematically combine and analyze data from measurement technology and tablet-supported recording of abnormalities subjectively detected by the driver in order to recognize patterns in errors. These Smart Data are our basis for deriving recommendations for action for the entire test planning and thus reducing the number of test vehicles required.

Worldwide unique Road-to-Rig technology

The high control frequency of 10 kHz enables tests that are identical to real driving tests on the road, whereby real vehicle measurement data can also be reproducibly reproduced.

FACTS:

Technology:

Temperature range: -70°C bis +240 °C:
Power range: 0 - 2.400 A, 0 - 1.000 V
Speed: up to 4.000 rpm at the wheel Control
Frequency: 10 kHz
Emission: Waste heat utilization for CO₂ reduction

Team:

Innovation: 22 registered patents
Spirit: 20 external events (2017)
Experience: Employees with up to 25.000 test hours
Training: 2.728 Training hours



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