



Technology x Enthusiasm = Performance

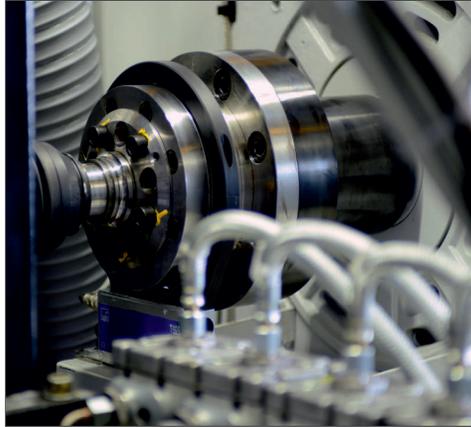
Revolutionary test performance with R2R technology

Exceeding customer wishes is our motivation.
Customer-oriented service is our way.
Creating added value is our goal.

- Significant** Saving development time
- Substantial** Reducing development costs
- Worldwide** Unique test bench technology
- Smart** Data management
- Identical** Stress as in real driving tests



Facing the future together - with PTS-Prüftechnik



„The road on the test rig“

The shortening of the development cycles of increasingly complex drive systems, such as automated transmissions or hybrid drives, requires, among other things, complex tests and driving trials on the road.

The Road-to-Rig R2R 4x4 test rig from PTS-Prüftechnik revolutionizes the testing of these systems. The test specimen is loaded with a control frequency of 10 kHz at the drive shafts in all situations realistically (as with operation on the road). On the master computer of the R2R 4x4 any routes and driving conditions can be simulated:

- from the dry road to the ice rink
- from the bang start to the top speed
- slow uphill starting and downhill rolling from a standstill
- with real vehicle brakes ("hot braking")
- Interventions by assistance systems (ABS, ASR, ESP, ...)

With the Road-to-Rig R2R 4x4 test rig, the testing of the traction function of vehicles or powertrain systems, e.g. on driving behavior or driving dynamics, is already possible in early product development phases on the basis of measurement data from real road drives or simulation data, e.g. from driving behavior or driving dynamics possible.

R2R 4x4 technical data:

- 2 load machines per axle
- Power up to 1,000 kW per axle
- Speed up to 4,000 rpm at the wheel
- Max. Torque up to 4,750 Nm on the wheel
- 10 kHz Control frequency

The combination of a fast configuration of vehicle models, mass inertia and driving conditions results in a high reproducibility of the tests and a significant reduction of the development time.

Convince yourself of our testing services!

PTS-Prüftechnik GmbH

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