ATS Transmission Testing

Flexible, modular test stand designs for RWD, FWD, AWD, hybrid and pure electric units.

Automated test solutions across multiple models for:

- AC input & output motors for torque and speed control
- Flexible input and output driveline positioning
- Simulation of engine input, inertia, and speed
- Test sequences, gear shift, clutches & differentials
- Leak checks, shaft seals, torque converter, torque multiplications, lock up, oil fill & top off
- Transmission control unit interface or simulation

Capabilities:

- Modular innovative designs
- Engineered drivelines
- Integrated data acquisition
- NVH analysis
- Facilities integration for test oil filling, draining, and final level set as required
- Integrated total solutions
- High dynamic capabilities as required
- Understanding of latest powertrain technology
- Design / mapping of test methodology and specifications

Stand designs are readily upgraded for varying requirements and adding additional model variants.

Experience

- Data acquisition, NVH analysis, and test sequencing using our NI based Test Executive software. Optional integration of customer preferred data acquisition and NVH systems is available
- Over 35 years of supplying hundreds of transmission test stands globally for light and heavy duty vehicles, off-road equipment

Contact ATS directly for custom or product specific applications beyond the scope of this document.