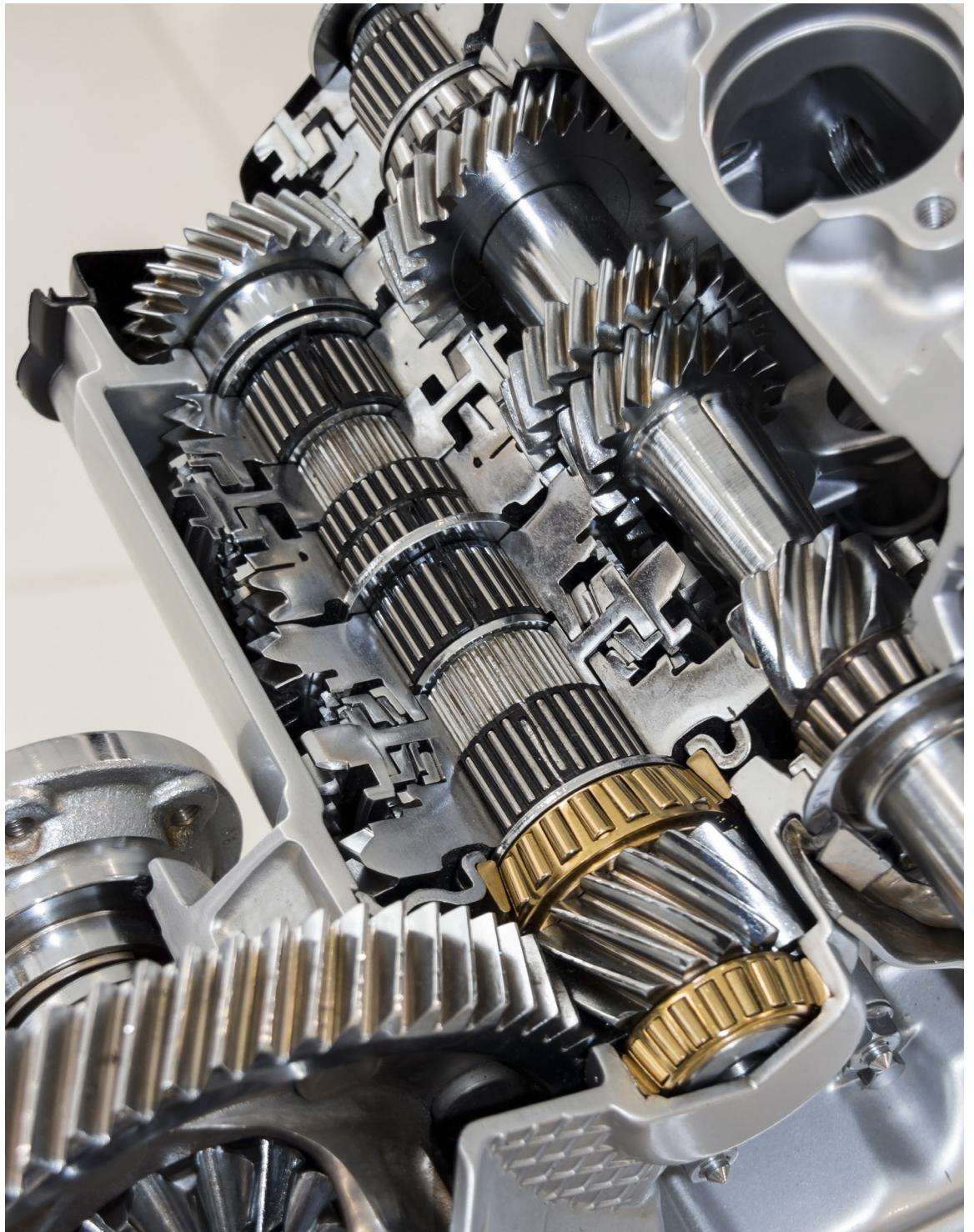




## ATS Transmission Testing



# TEST SYSTEMS



# ATS Transmission Testing

## Description

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

## 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

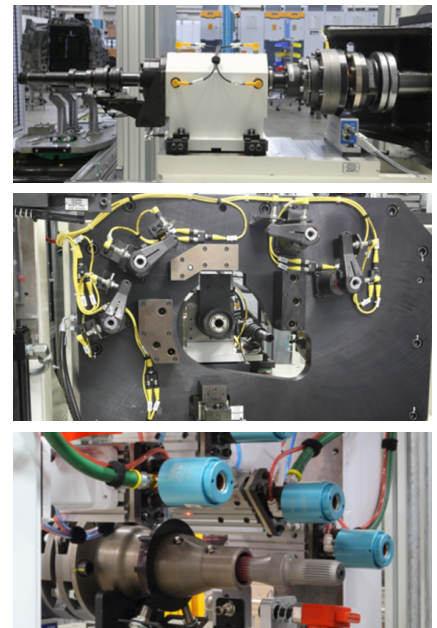
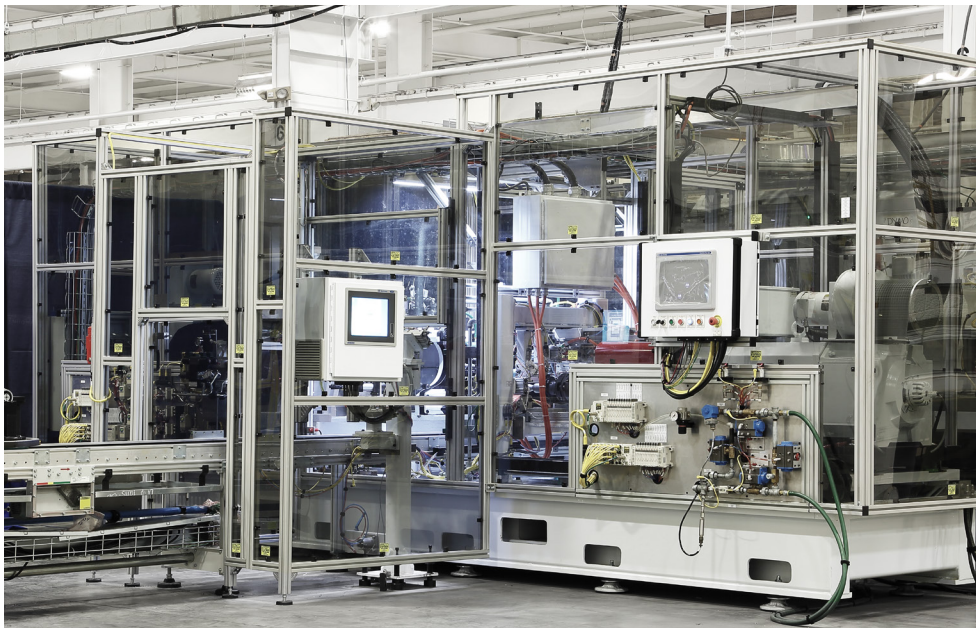
## Transmission Test

### Capabilities:

Readily configured for single or multiple models. Base stand designs handle large variations in torque and speed requirements, input and output drive tooling, and output absorbing tools. Standard designs and engineering cover:

- 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.



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



ASSEMBLY & TEST

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