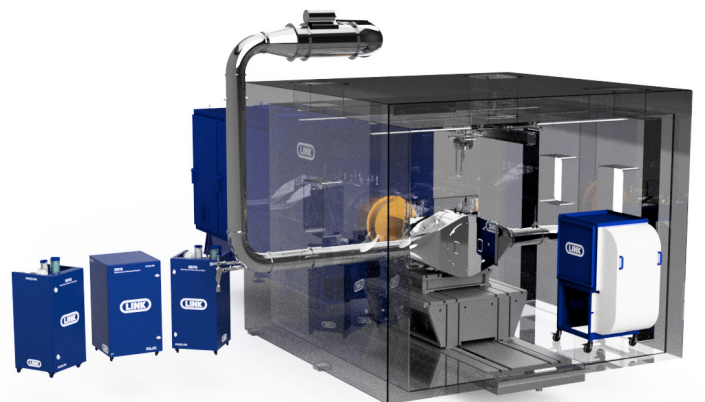
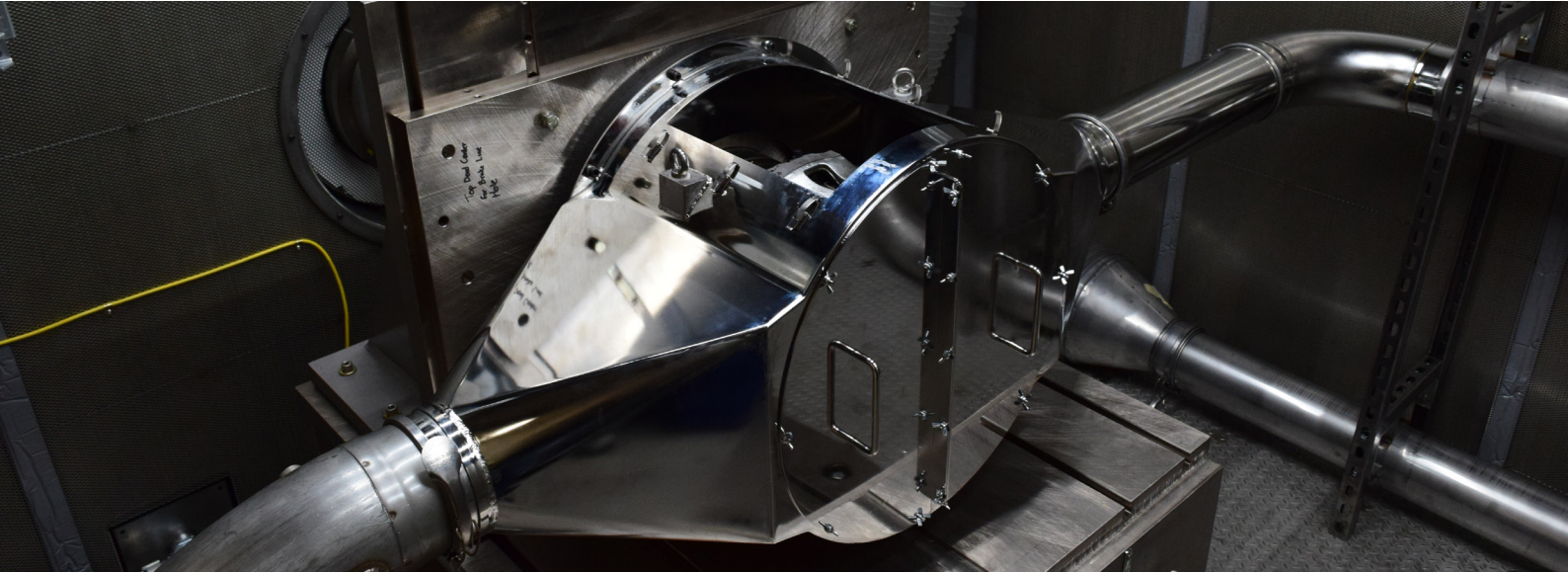




Model 3900 NVH

Brake Emissions Upgrades



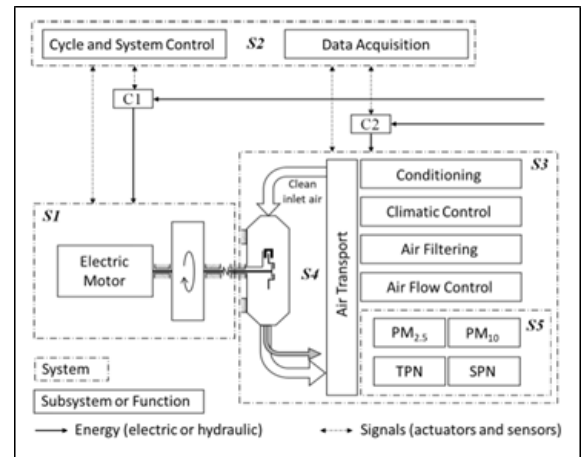


Model 3900 NVH Brake Emissions Upgrades

Product Overview

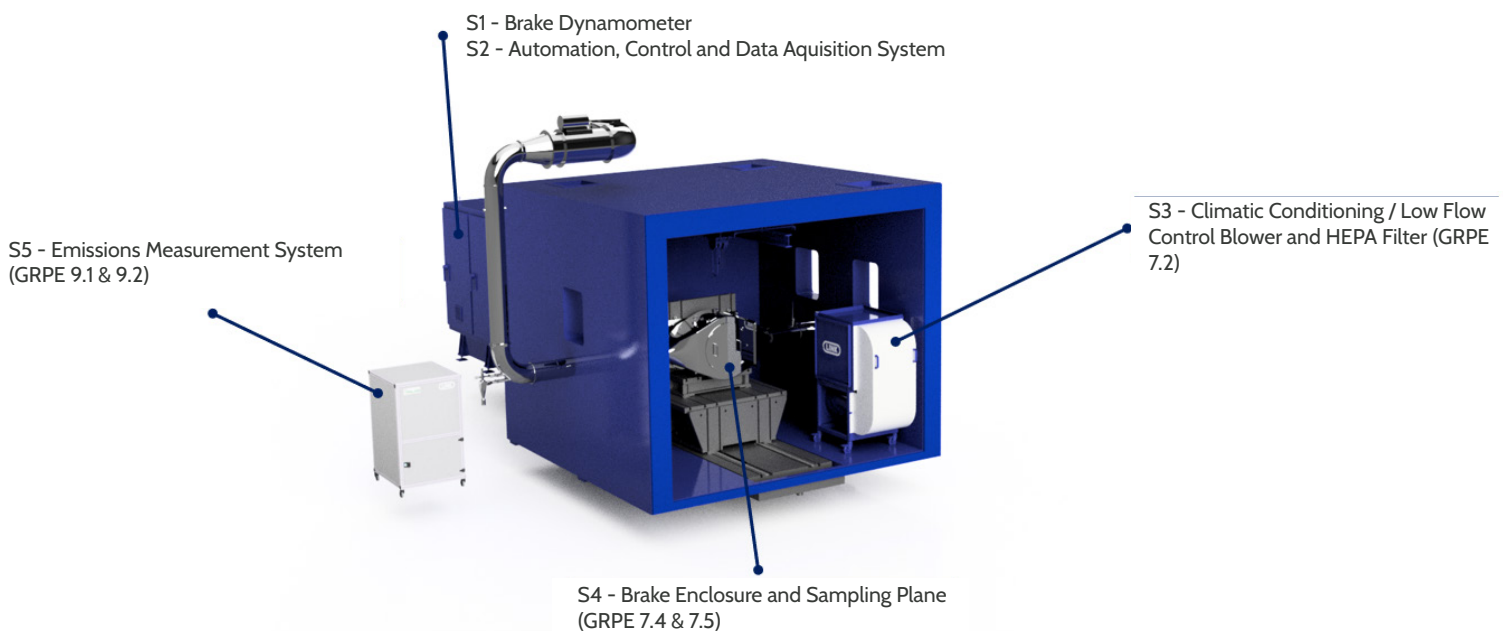
LINK's Brake Emissions Dynamometer Upgrade allows customers to utilize their current NVH machines and upgrade them to have emissions testing capabilities that meet the requirements for GRPE-87-40 and beyond.

LINK's design allows for the upgrade of current equipment to be emissions capable but also to change back to its performance and NVH configuration. This change can be completed quickly, only taking approximately one work shift.



GRPE-87-40 test system overview

For easy understanding, LINK's turnkey solution is in accordance with the GRPE-87-40 and its test system overview.





Key Features

LINK provides a Brake Emission Dynamometer Upgrade package specific to the assigned dynamometer. Additionally, a dynamometer review with recommended practices and upgrades to itself is provided to be GRPE compliant. Some high-level upgrades on the package are:

- GEN 2 electropolished enclosure and sampling duct per GRPE
- Sampling elbow, probes, and nozzles per GRPE
- Air temperature, relative and absolute humidity, atmospheric pressure, and airflow control upgrade in the CVS tunnel
- Automated report generation per GRPE section 13 and executive summary with emissions factors for both PN and PM as well as quality assurance
- Data integration of all emissions equipment and GRPE requirements onto ProLINK
- Fixturing adaptation per dyno requirements to be GRPE compliant
- Duty cycle simulation software upgrade to run WLTP brake cycle or any other driving cycle like CBDC
- PM measurements with automatic filter installer to reduce downtime and resource utilization
- System PN and PM calibration per GRPE
- Drag measurement upgrade depending on dyno torque measurement capability
- Upgrade existing CCU with low airflow emissions capability
- Optional regenerative brake simulation
- Quick changeover from performance/NVH to emissions and back
- Custom fixture and adapters
- Upgrade is possible on LINK and non-LINK dynos
- The upgrade is customizable to the floor space available within the test facility

For further details on brake emissions testing, please ask your LINK representative for these two additional brochures:

- Brake Emissions Particle Measuring System
- Emissions Pro & Pro+ Dynamometers

Link Engineering Company

We design and manufacture precision test equipment, and provide comprehensive laboratory and vehicle level testing services.

Our specialty is developing innovative custom solutions.

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