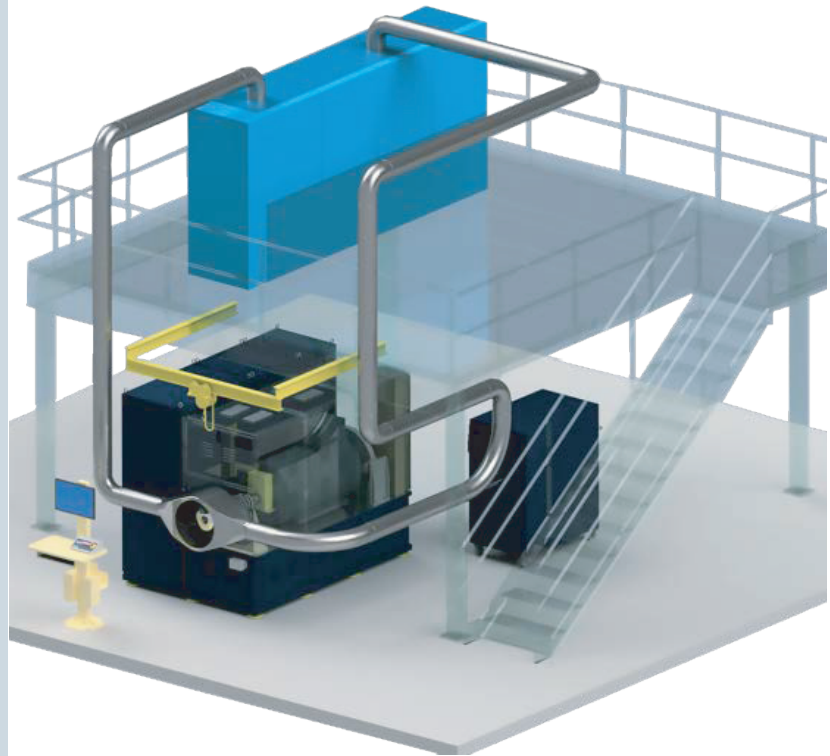




# Emissions Pro & Pro+ Dynamometers



**LINK**





# Emissions Pro & Pro+ Dynamometers

## Product Overview

LINK Brake Emissions Pro & Pro+ Dynamometers are designed to meet the upcoming EURO regulation, UN GTR-GRPE\* 2023/4 requirements, and beyond.

LINK's design meets your future testing needs, including highly regenerative brake systems and low drag measurement capabilities.





## Key Features

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### Emissions Pro

Emissions Pro includes:

- Machine design to minimize dynamic drag and provide a consistent measurement throughout vehicle platforms
- DutyCycleSim 2.0 to automatically generate control programs using time-resolved profiles (speed and torque)
- Brake enclosure, sampling tunnel, and climatic controls (airflow, temperature, and humidity) per UN GTR-GRPE 2023/4
- ProLINK layouts and automatic report generating tool per UN GTR-GRPE 2023/4
- Integrated instrumentation for PM2.5 and PM10 (including automatic filter changers)
- Integrated instrumentation for total and solid particle counting systems with PCRF calibration

### Emissions Pro+

In addition to Emissions Pro capabilities, Emissions Pro+ also features:

- RegenSim 3.0 software with capabilities for regenerative braking simulation for battery electric vehicles and plug-in hybrids, using torque v. speed or direct friction torque v. time
- Precision control during low torque and low brake work for highly regenerative brake systems
- Off brake drag measurement capability during brake emission measurements
- Upgrade to additional inertia simulation capability
- Mountain decent simulation
- Expanded Particle Instrumentation (particle size distribution, real-time mass measurements, etc.)

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LINK also provides a range of capabilities for testing brake emissions on passenger cars, commercial vehicles, and rail applications. Depending on your testing needs, emissions features can be provided to the below equipment:

- Conventional brake dynamometers (performance or NVH)
- Retrofit of existing brake dynamometers
- Dedicated brake emissions tester

# 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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