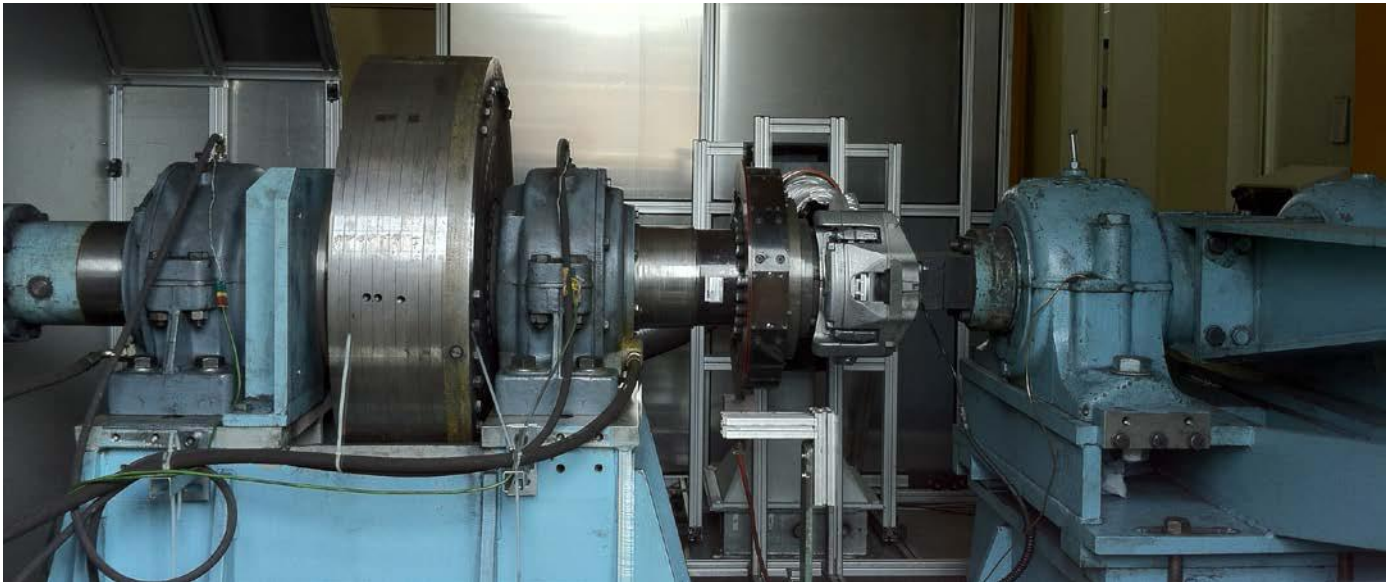


Brake Test Bench



Main Application

- Continuous Braking
- Emergency Braking
- Cooling Process Examination
- Stop Braking
- Interval Braking
- Study of the friction Pairings

Technical Data

Motor:

- 400 V
- 679 A
- 250 kW
- 1200-2000 1/min

Specimen

- all Car Disc Brakes

Characteristics

- Drive Torque Control

Measured Values

Load Cells:

- Braking Torque

Motor:

- Engine Torque
- Motor Speed

Pressure Sensor:

- Brake Pressure

Speed Pulse Generator:

- Rotation Speed

Infrared Thermometer / Piezo Elements:

- Temperature
(Piezo Elements via Telemetry also in the rotating Brake Disc)

Control Variables

- Brake Pressure
- Rotational Speed (Velocity)
- Motor Torque (Function based)

Available Supplies

- electrical Connection 16 A (32 A if necessary)
- compressed Air 10 bar
- Blower with exhaust System and Filter
- Air Conditioning