

# Powertrain

## 1. Testing Facilities



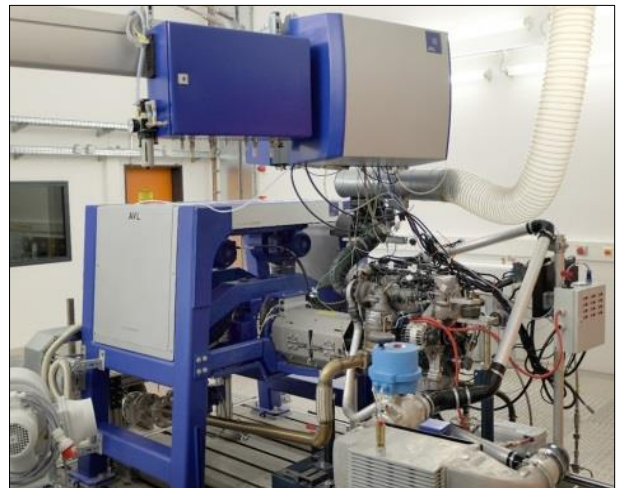
### Engine Test Bench

#### AVL Dynospirit 370/4,5-8

Modern high dynamic engine test bench for a wide range of modern engines.

##### Specification:

- Torque: MD=785 Nm
- Power: P=370 kW
- Rotational Speed: n=8000 1/min
- Inertia:  $\Theta=0,273 \text{ kg m}^2$
- Measured Values: p,T,P,M
- Indexing: AVL Indimodul
- Exhaust Measuring: Gaseous Emissions  
AVL SESAM i60 FT
- Fuels: Gasoline, Diesel



### Hot gas Test Benches

Hot gas test benches for turbocharger mapping, thermomechanical investigations and other several, possible investigations including components underlying a gaseous fluid flow.

##### Specification Test Bench 1:

- Power: P=400 kW
- Massflow: m= 1500 kg/h
- Temp-Range: T=150-1100 °C
- Special: Capable of tThermoshocks

##### Specification Test Bench 2:

- Power: P=200 kW
- Massflow: m=1000 kg/h
- Temp-Range: T=150-1100 °C
- Special: Capable of ClosedLoop

