

ENGINE TEST BED

for Heavy Duty Vehicles

The test bed is operated in cooperation between the Graz University of Technology and FVT mbH.

MAX. ENGINE SPEED

4200 rpm

MAX. BRAKING POWER

440 kW

MAX. ENGINE TORQUE

2800 Nm up to 1500 U/min

MAX. MOTORING POWER

400 kW

TEST BED DYNAMOMETER

asynchronous motor (4 quadrants operation)

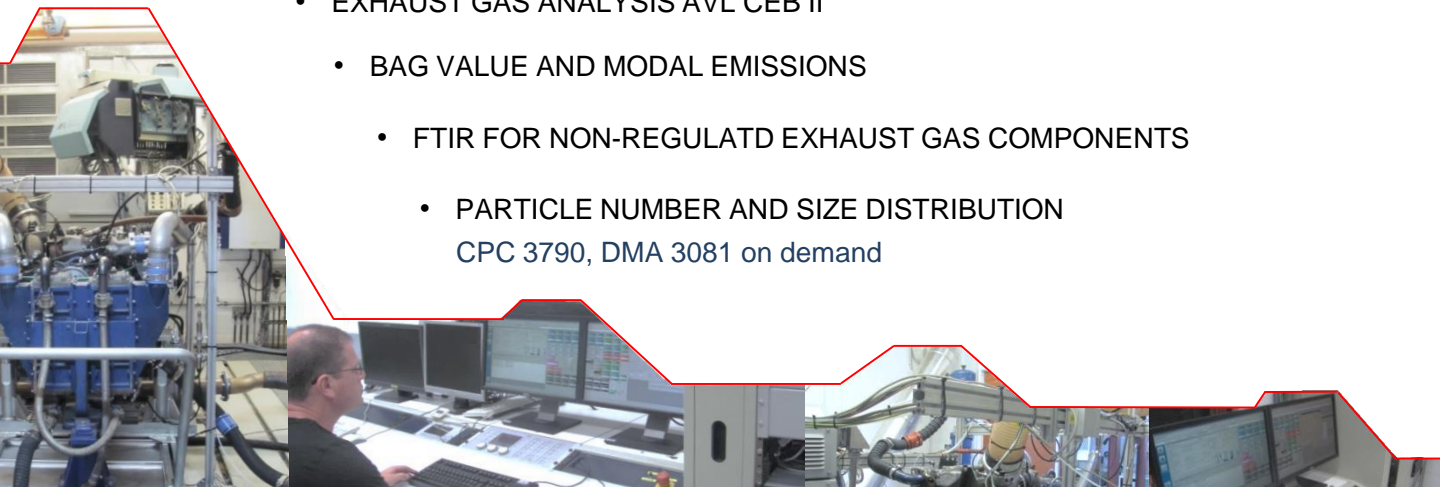
INTAKE AIR CONDITIONING

10° to 40° C (+/- 2°C)

The test bed is capable of measuring all legislative test procedures (EU, US-EPA) and of testing of any customer specific cycles.

EXHAUST GAS ANALYSIS

- EXHAUST GAS ANALYSIS UNDILUTED AND DILUTED
 - FUEL FLOW VIA AVL 733 S
 - EXHAUST MASS FLOW VIA ABB SENSYFLOW
 - FULL-FLOW-SYSTEM (flow rates: 30, 50, 60, 110 m³/min)
 - EXHAUST GAS ANALYSIS AVL CEB II
 - BAG VALUE AND MODAL EMISSIONS
 - FTIR FOR NON-REGULATED EXHAUST GAS COMPONENTS
 - PARTICLE NUMBER AND SIZE DISTRIBUTION
CPC 3790, DMA 3081 on demand



COSTS exkl. VAT

Transient engine test bed including emission measurement	320,-	€/h
Transient engine test bed without emission measurement	218,-	€/h
Particulate number and size distribution	90,-	€/h
Scientific staff	87,-	€/h
Mechanicians	55,-	€/h

CONTACT

Prof. Dr. Stefan HAUSBERGER

+43 (316) 873-30260

hausberger@ivt.tugraz.at

Dipl.-Ing. Dr. Jürgen BLASSNEGGER

+43 (316) 873-30278

blassnegger@ivt.tugraz.at