Valeo Bursa Test Benches

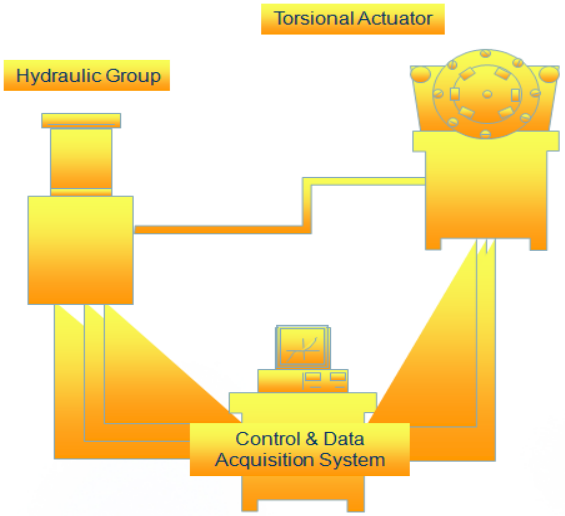
August, 2016

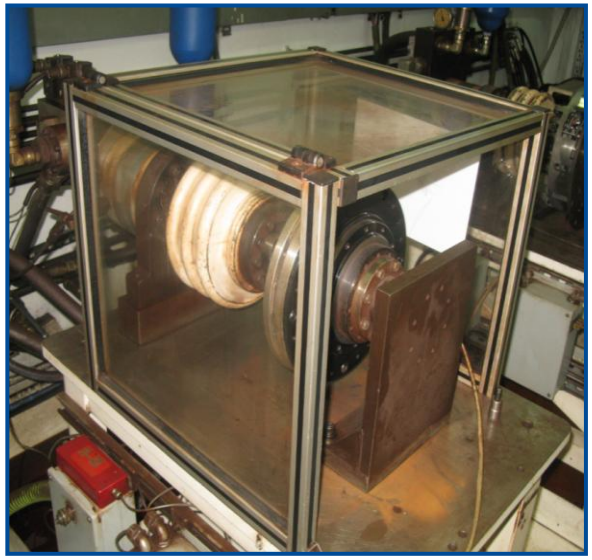
Bursa Test Benches

- 6 static torsional test benches,
- 4 axial fatigue test benches,
- 2 rotating actuating machines without wear simulation benches (touret),
- Thermal test bench,
- Burst test bench,
- Bearing noise test bench.
- Proggresive wear bench (M84, BUP)
- Dynamic Rotary torsional bench

Torsionel Test Benches

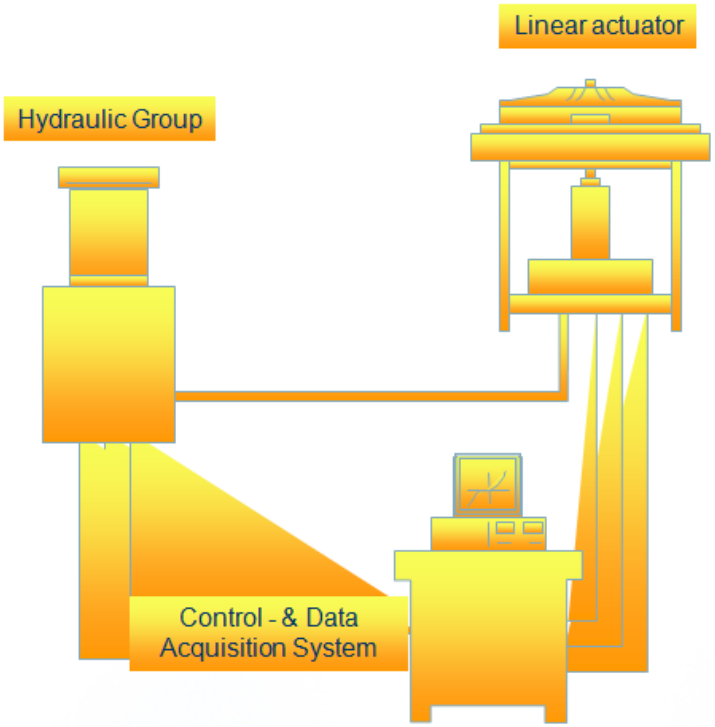
- Total 6 test rings,
- Torque capacity of 3 test rings: 1000 Nm
  Angular movement: ± 50°
- Torque capacity of 2 test rings: 2000 Nm
  Angular movement: ± 50°
- Torque capacity of 1 test ring: 8000 Nm
  Angular movement: ± 45°





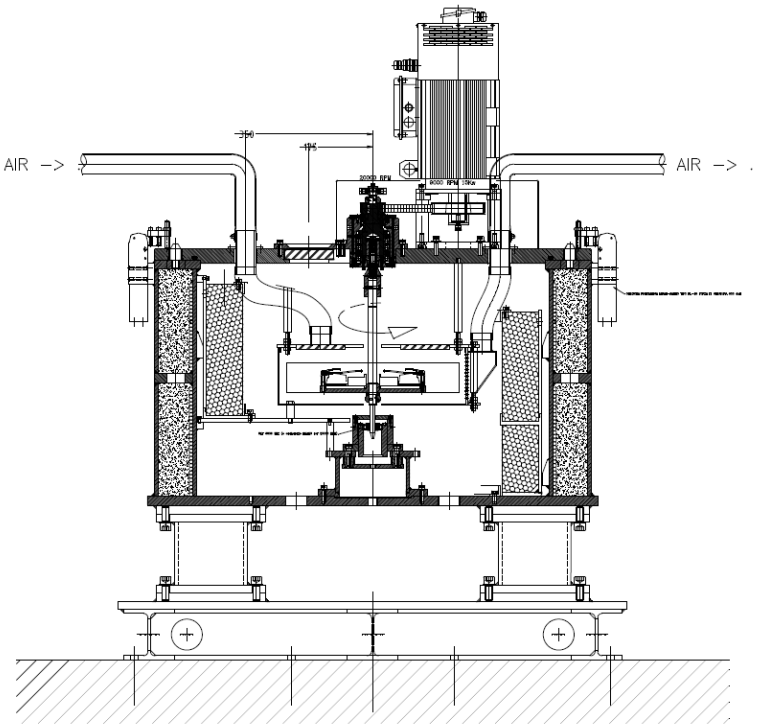
Axial Test Benches

- 4 test rings,
- Load capacity: Max. 14000N,
- Linear displacement:±13 mm and, ±50 mm,



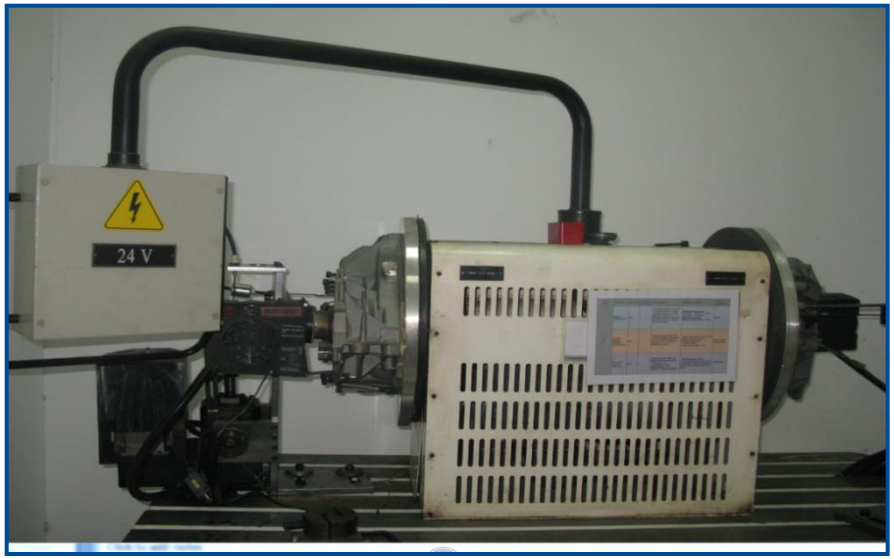
Burst Test Bench

- Max Speed:20000 rpm,
- Clutch max weight: 50kg,
- Clutch max inertia: 1,30 Kg.m²,



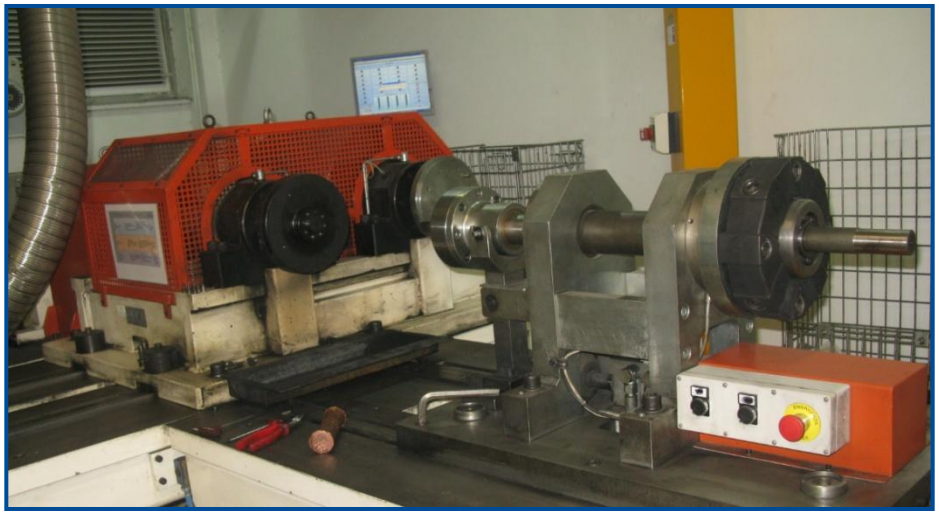
- Clutch max diameter: Ø430 mm,
- Temperature: max. 250°C

Touret Benches

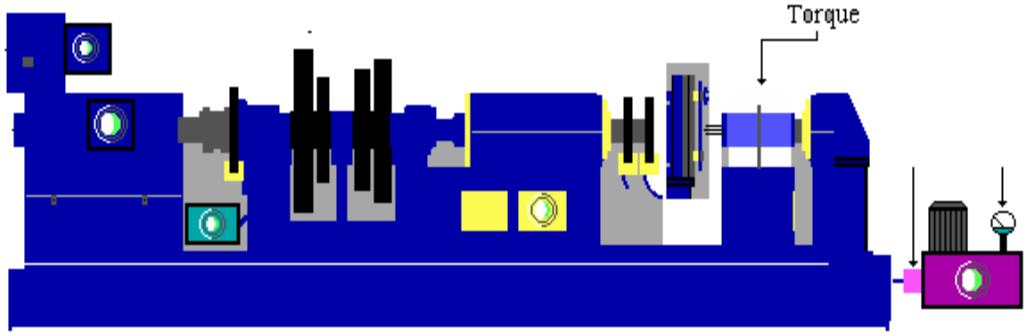


- Load capacity: Max.1000N,
- Speed: 5000rpm,

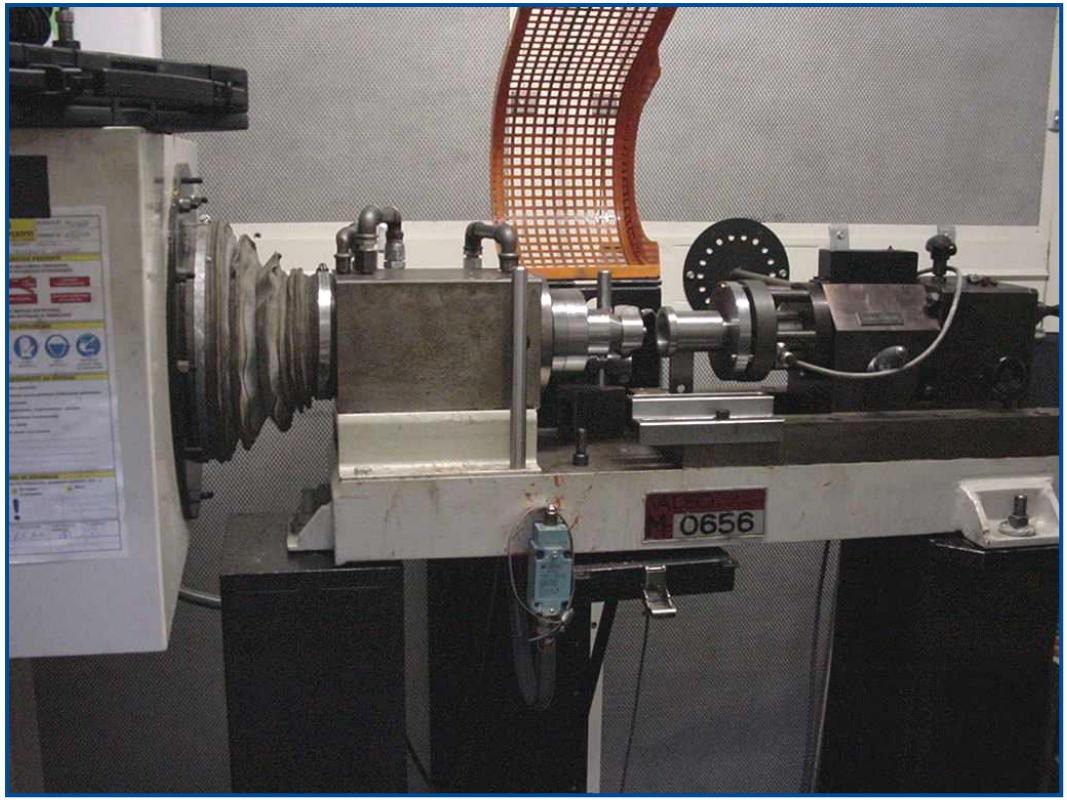
Thermal Test Bench



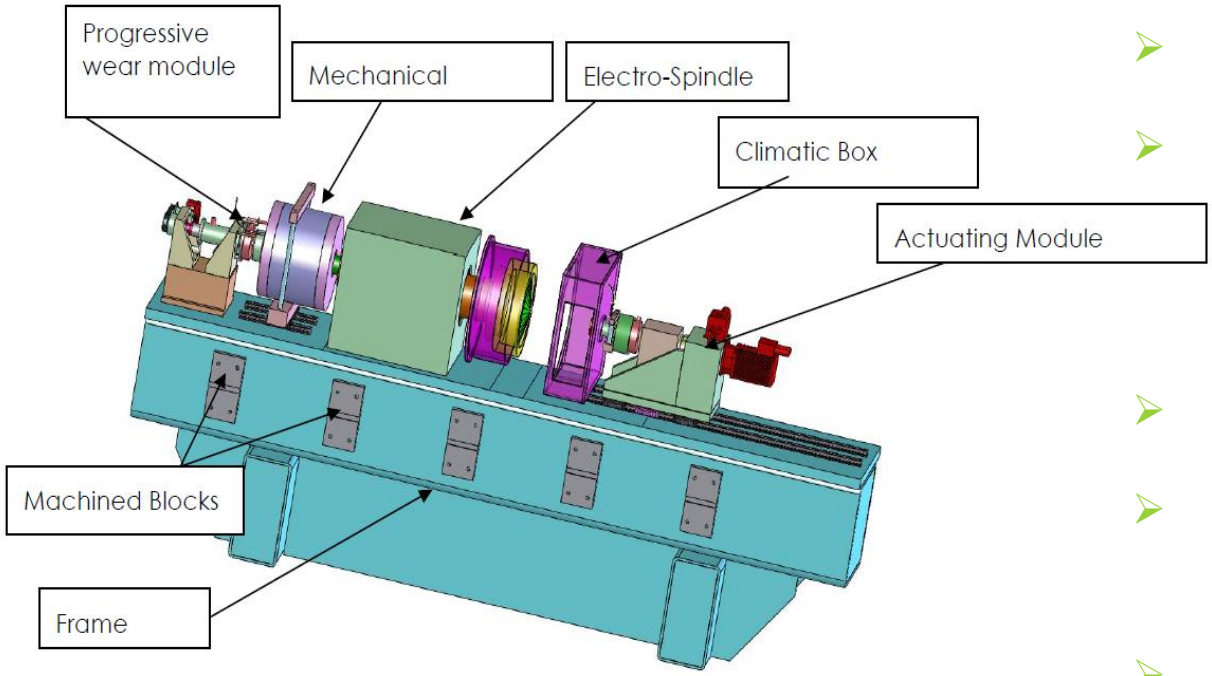
- Torque capacity: Max.1000Nm,
- Speed: 4000rpm,
- Inertia: 20Kgm² (Electrical inertia)



Bearing Noise Test Bench

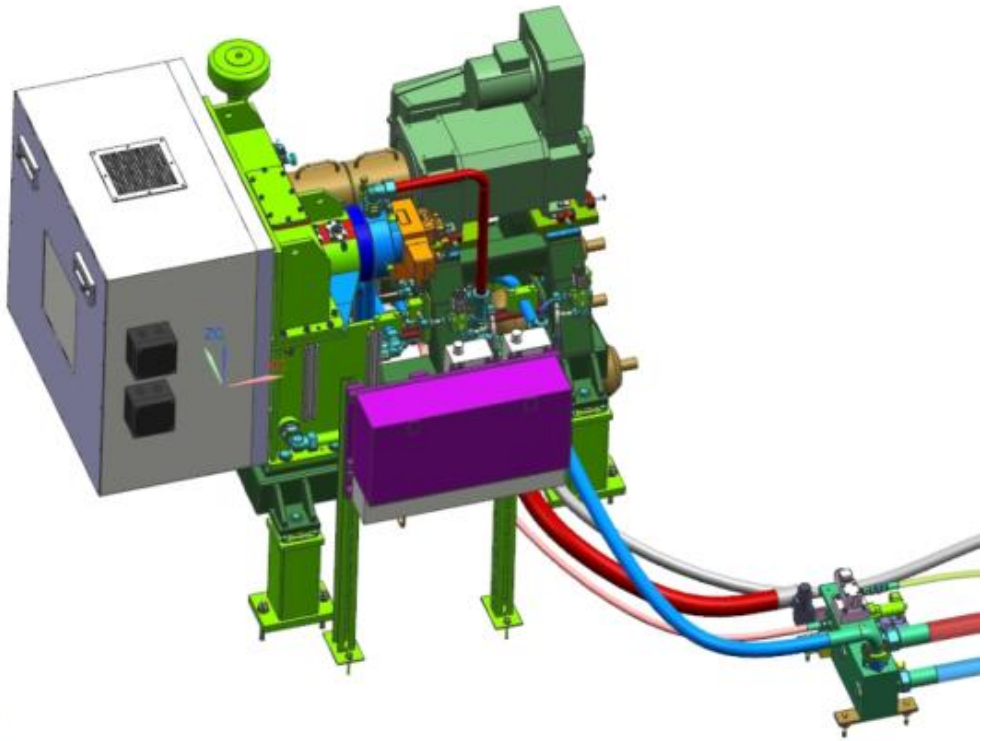


M84 BUP Bench



- Max speed: 8000rpm,
- Max weight: 40kg (Including the adaptations)
- Max inertia: 0,45Kgm²
- Max unbalance: 350 gr.mm
- Max clutch size: Ø350 mm

Dynamic Rotary torsional bench → torsional testing under rotation for disc ass'y & DMF



- Max. frequency: 100 Hz
- Max. angle : +/- 100°
- Max torque : +/- 1250N
- Max. rpm: 7000 rpm

Automotive technology, naturally