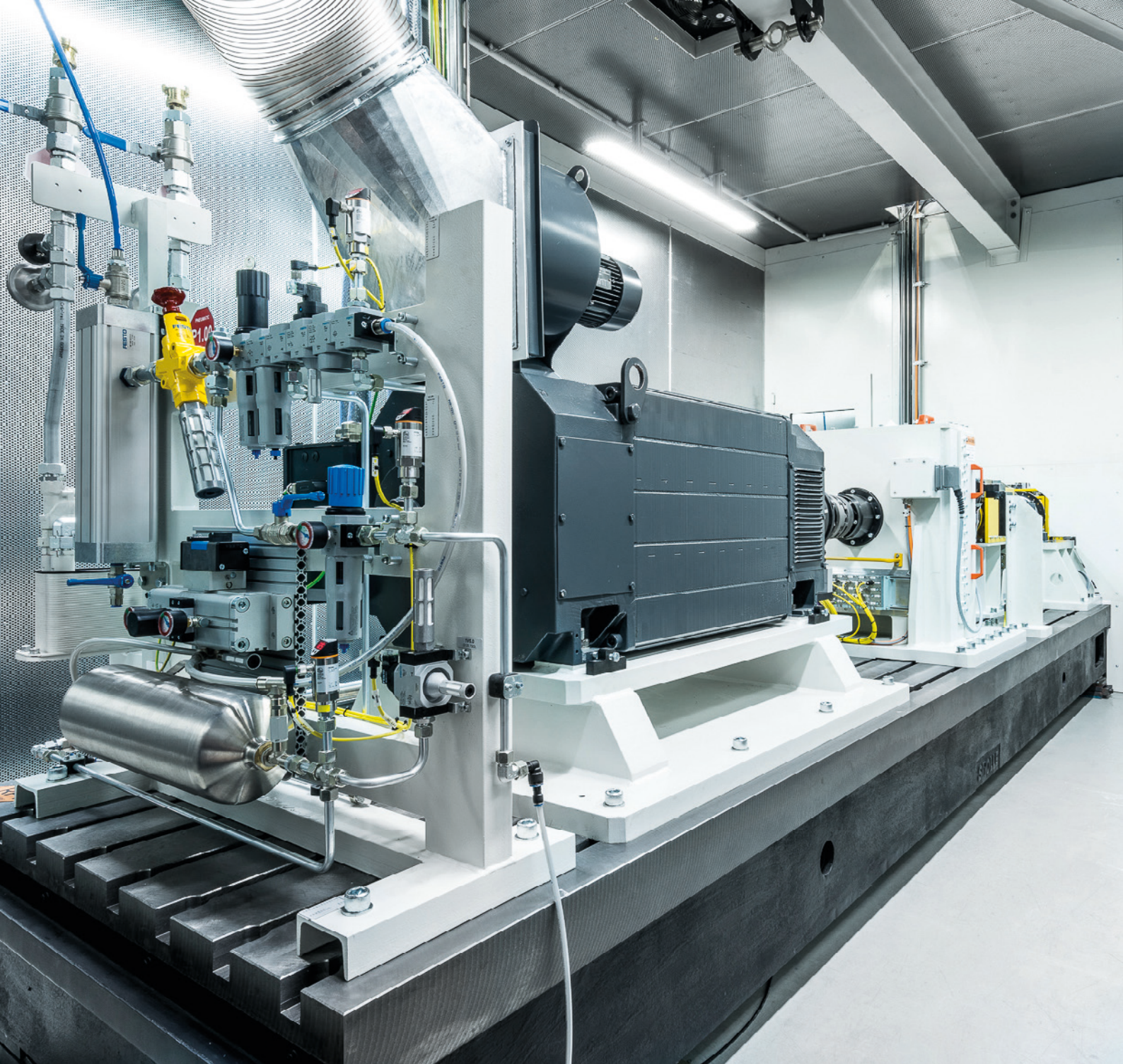




**LABORATORY TEST BENCH**  
FOR HEAVY TRUCK TRANSMISSIONS

**BLUM**  
**NOVOTEST**



# LABORATORY TEST BENCH

## FOR HEAVY TRUCK TRANSMISSIONS



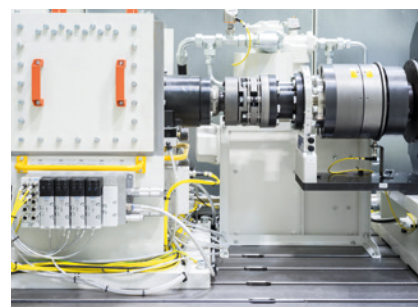
Laboratory test benches developed by Blum-Novotest for transmissions are used to operate and conduct audit test runs, field complaint investigations and vulnerability analyses. Preliminary tryout transmissions are handled as well. The entire test bench is contained in a soundproof cabin. The middle area of the chamber is designed to be "bulletproof". This means that it is constructed with special steel plates and reinforced safety glass. The control room is installed outside of the testing chamber. All doors are locked and monitored during testing.

### Features:

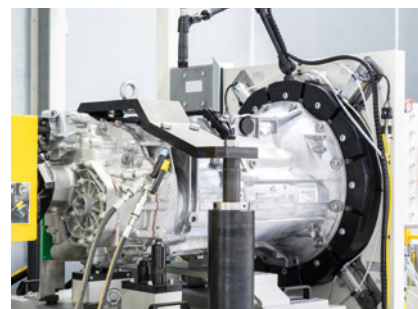
- Soundproof cabin (bulletproof in testing area)
- Control room is separate from the testing chamber (safety consideration)
- Lifting equipment for loading and unloading the transmission (optional)
- Visualisation system for test bench control
- Computer system for test sequence control and data acquisition
- Noise analysis

### Technical data

|                                      |                                            |
|--------------------------------------|--------------------------------------------|
| Test bench dimensions                | Approx. 12,000 x 2000 x 3000 (WxLxH in mm) |
| Safety cabin dimensions              | Approx. 14,000 x 5000 x 5000 (WxLxH in mm) |
| Specimens                            | Truck transmissions                        |
| Drive motor and take-off motor power | 560 kW                                     |
| Max. rotation speed                  | 3300 rpm                                   |
| Drive torque                         | 3055 Nm                                    |
| Max. output torque                   | 45,000 Nm                                  |



Safety coupling and torque measurement flange in drivetrain



Specimen is adapted and secured during testing