



**TEST STAND**  
FOR FRONT-LENGTHWISE TRANSMISSIONS

**BLUM**  
**NOVOTEST**



# TEST STAND

## FOR FRONT-LENGTHWISE TRANSMISSIONS

The transmission test stands developed by Blum-Novotest are used for quality assurance purposes during production. The test stand illustrated here is used to test the function of the transmission at the end of the production line. This is a 100 % test.

### General information:

- Automated loading
- Coded interchangeable parts
- Pre-selectable test programmes
- Automated gear-changing
- Recording of shift values
- Objective noise evaluation
- Tests in lot sizes

### Test procedures:

- Operation test
- Noise test
- Synchronous test

### Features:

- Noise recording system with 3 sensors
- Shifting robot (3 units/test stand)
  - 1 x for NSG-transmissions, 1 x for Chr-transmissions, 1 x for TSG-transmissions
- Version-conditioned interchangeable parts for clamping and to adapt input and output are fitted manually
- Visual display system for test stand control
- System for test process control and data recording
- Kuka robot for adapting the start/stop connector

### Technical data

Type	Test stand for series production with 2 engines
Specimens	Front-lengthwise transmissions
Input	Shaft power 90 kW Rotation speed max. 3000 rpm Drive torque max. 280 Nm
Output	Shaft power 145 kW Rotation speed max. 4400 rpm Drive torque max. 800 Nm
Number	6 test stands



Transmission clamping



Infeed for output unit



Arrangement of shifting robots



Connector adaptation, start/stop function