

Test Stand for Heavy Truck Transmissions



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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.

Test procedures:

- Manual loading on loading station
- Automated operation test
- Noise test
- Synchronous test

Features:

- Visual display system for test stand control
- Control system for test process control and data recording
- Noise recording system
- Preparation for gear changing robot
- Version-conditioned interchangeable parts for clamping and to adapt input and output

Oil filling and draining

Automated oil filling and draining during the test process.

Shifting robot

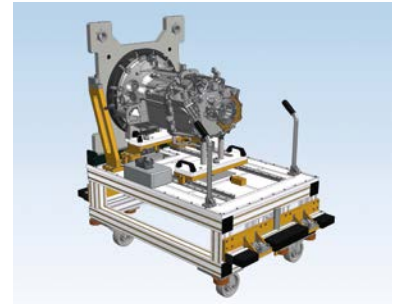
Special shifting robot with 1 linear axis and 1 rotation axis for heavy-duty applications.

Noise recording system

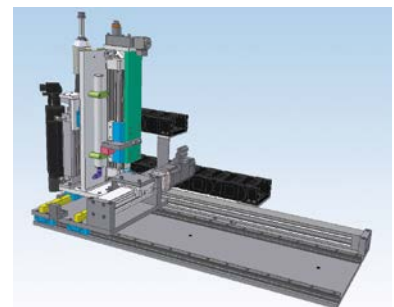
2D-Servoaxis positioning system with constant-pressure pneumatic feeding axis.

Technical data

Type	Test stand for series production with 2 engines
Specimens	Front-lengthwise transmissions
Input	Shaft power 205 kW
	Rotation speed max. 3000 rpm
	Drive torque 675 Nm
Output	Shaft power 403 kW
	Rotation speed max. 3600 rpm
	Drive torque 4000 Nm
Number	12 test stands



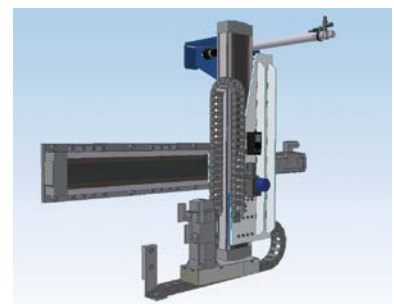
Test stand loaded by means of trolley



Automated oil filling and draining



Shifting robot with feeding axis



Noise measuring system with feeding axis

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