



E-DRIVE TEST STAND
FOR ELECTRICAL AXLE DRIVES

BLUM
NOVOTEST



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This test stand is used to perform tests on electrical axle drives by simulating different realistic driving operation situations. The high flexibility of the test stand enables it to be switched between operation as a battery simulator and vehicle inverter and speed or torque control of all machines. In addition, battery simulations, recuperation simulations, or drag torque measurements can be performed.

Features:

- 2 axially movable drive motors
- Pneumatically actuated docking units with play compensation
- Movable test piece carriage
- High-precision torque sensors
- Inverter group as a substitute option for the vehicle inverter

Loading of the test stand:

- Manually, using a crane system
- Via a feed conveyor
- Using a robot
- Using a twin handling device

Technical data

Test stand dimensions	Approx. 6000 x 1700 x 1700 (LxWxH in mm)
Current/power supply of test piece	Up to 1000 A DC/max. 370 kW
Voltage supply of test piece	Up to 1000 V DC/480 V AC
Rated power of drive motors	240 kW each
Speed/rated torque of drive motors	Up to 3000 rpm/2850 Nm
Speed gradient	Up to 1000 rpm/s



Torque sensor and docking unit



Test piece rigging station