



**4-SQUARE ENDURANCE TEST STAND**  
FOR DRIVE SHAFTS

**BLUM**  
**NOVOTEST**



# 4-SQUARE ENDURANCE TEST STAND FOR DRIVE SHAFTS



With the test stand the following parameters are measured and controlled: speed, torque, jounce, steering angle. Four shafts are simultaneously tested in a closed loop, with multi-block programs. All safety related queries like joint temperature, lubricating oil system, comparison of set and true values, emergency facilities, grease leakage, etc. are used for the test and the test is stopped automatically after a fault is detected.

## Technical data

Length of the drive shaft	400 mm - 1000 mm
Torque	$\pm 2000$ Nm
Speed	max. 2000 rpm
Steering angle of swivel units	0° until +50°
Jounce	$\pm 200$ mm
Grease leakage detection	optional
Air flow simulation	4 fans (optional 8 fans controlled)
Joint temperature measurement	8 sensors
Gear box cooling and lubrication by lubrication unit	



Air flow simulation and temperature measurement



Swivel units and jounce actuator for the simulation of the route