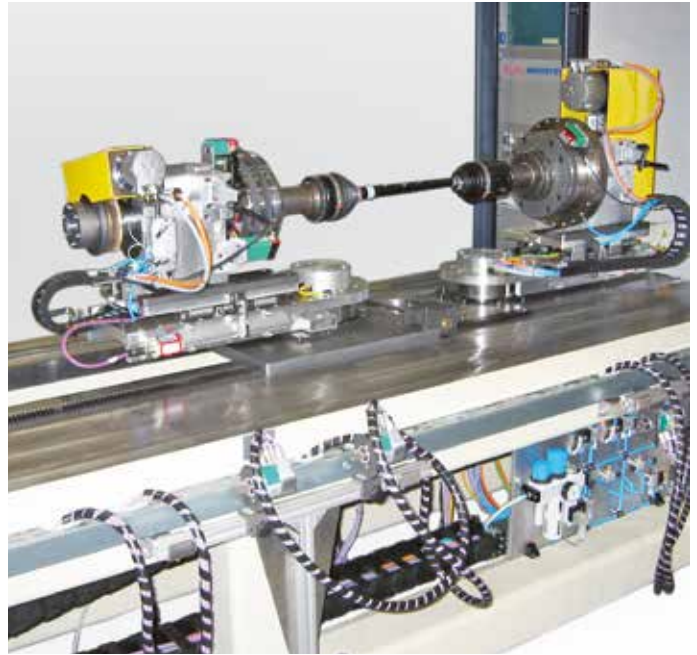


FUNCTION TEST STAND
FOR DRIVE SHAFTS

BLUM
NOVOTEST

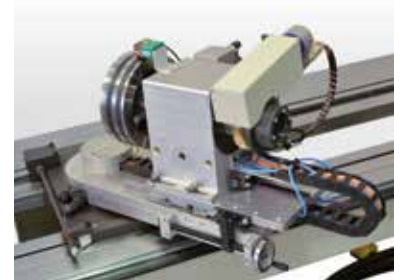


FUNCTION TEST STAND FOR DRIVE SHAFTS



The test stand is designed for measurement of functional values of drive shafts.
With the function test rig the following metrological tests are performed:

- Static plunging resistance, torque applied (unloaded), non-rotating, articulated or not articulated
- Static plunging resistance, torque not applied (unloaded), non-rotating, articulated or not articulated
- Static plunging resistance, torque not applied (unloaded), rotating, articulated or not articulated
- Joint rotation torque
- Bending torque, torque not applied, non-rotating
- Bending torque, torque not applied, rotating
- Bending torque, torque applied, non-rotating
- Axial clearance
- Displacement-angle-diagram
- Rotational backlash
- Eccentricity



Adjustment range of the articulation angle $\pm 55^\circ$



Motor-driven adjustment of the articulation angle for unit left. Manual adjustment of the articulation angle for unit right.

Technical data

Rotational Speed	± 200 rpm
Torque 1 Torque 2	± 300 Nm ± 20 Nm
Articulation angle 1 Articulation angle 2	$\pm 55^\circ$ $\pm 55^\circ$
Articulation torque 1 Articulation torque 2	± 100 Nm ± 100 Nm
Axial plunge left right	± 50 mm ± 50 mm
Axial Force Axial Lash	± 1000 N ± 4 mm
Rotational backlash	$\pm 4^\circ$
Length of the drive shaft	300 - 2400 mm