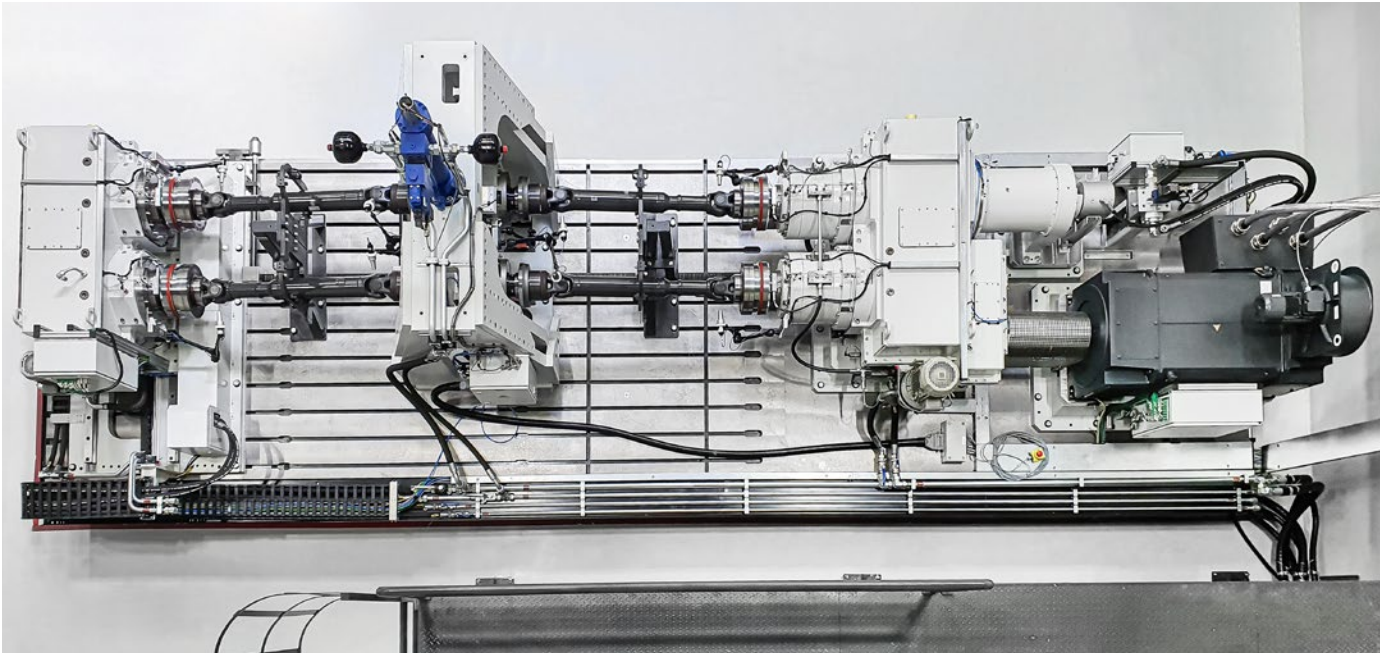


ENDURANCE TEST RIG
FOR PROPELLER SHAFTS

BLUM
NOVOTEST



ENDURANCE TEST RIG FOR PROPELLER SHAFTS



On the endurance test rig, two or four cardan shafts can be tested simultaneously in a closed load circuit with multi-block programs. Parameters such as speed, torque, jounce, joint angle and temperature are measured or controlled. Safety-related values are recorded during the test so that the test rig is automatically stopped in the event of a fault.

The test stand can optionally be equipped with a box for environmental simulation. In this chamber, the specimens are optionally exposed to water, salt water, sand or similar to simulate natural environmental influences.

Features:

- Box for environmental simulation
- Efficiency measurement
- Torsional lash measurement
- Axial force measurement
- Safety housing (optional)

Technical data

Test rig dimensions	Approx. 9000 x 2400 x 4500 (LxWxH incl. pulsator in mm)
Propeller shaft length	300 - 3800 mm
Torque	± 40000 Nm
Rotation speed max.	max. 3500 rpm
Pulsator (Jounce) displacement	600 mm
lateral displacement	600 mm
Joint temperature measurement	8 sensors
Closed loop power	1.6 MW



Box for environmental simulation



Pulsator (Jounce)