



TEST BENCH
FOR ROBOT GEARBOXES

BLUM
NOVOTEST



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The "robot gearbox" test bench is designed for evaluating and testing various lubricants (oils and greases) in various (low-backlash and high-precision) reduction gear units. Reduction gear units of various widths (max. 150 mm), sizes (max. diameter 330 mm) and from different manufacturers can be tested. These types of reduction gear units are used, for example, in industrial robots (articulated arm robots). The test bench can be used to perform or enables endurance tests on reduction gear units under variable (but not highly dynamic) operating conditions in terms of torque and rotational speed in automatic mode using various test programs.

Technical data

Test bench dimensions	Approx. 3000 mm x 1200 mm x 2100 mm LxWxH
Max. input speed	± 5000 rpm
Max. output speed	± 120 rpm
Max. input torque	± 100 Nm
Max. output torque	± 8000 Nm
Max. axial force to be applied (to the output side)	$2 \times \pm 10$ kN
Cooling/Heating (static)	=> -30 °C bis 80 °C