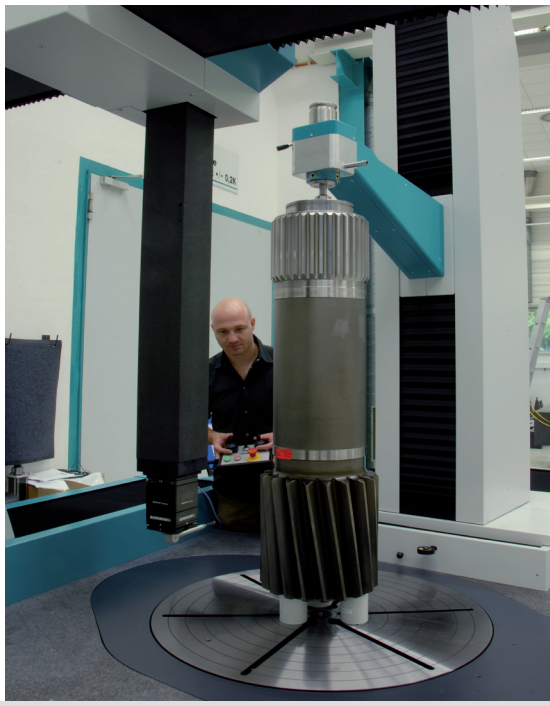
The ideal combination of coordinate and gear measurement

LH 2600 HYBRID



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LH 2600 HYBRID

The next iteration of the LH Gear series, designed for users of both 3D prismatic and elemental gear inspection, without relinquishing the flexibility to inspect large shafts between centers. This means, the complete range of rotationally symmetrical parts (gear shafts, tools, bevel pinions etc.) up to a diameter of 1300 mm, can be clamped between centers.

But also parts up to 2600 mm diameter can be measured! The automated tailstock can be moved in his rear position. It is not only convenient to load of the table, but together with a special holding device, allows extending the measuring range up to 2600 mm. This holding device can clamp and pre-align the work piece quickly and easily. The fine alignment is then completed by the machine and software.

The machine has air bearing guide way systems in all axes providing frictionless and wear-free operation. Base plate, X-, Y- and Z-axis are made from dark granite in order to achieve the same thermal behaviour in all axes. A hydrostatic rotary table eliminates mechanical wear. The machine is designed as a stable, homogeneous unit with integrated active vibration dampers, eliminating the need for a separate foundation.

All in One: This is the ideal combination of coordinate and gear measurement, without compromise.

Technical data

Work piece diameter	min./max.	5 - 2600	mm
Work piece diameter between centers	min./max.	5 - 1300	mm
Internal diameter-Ø	min./max.	12 - 1800	mm
Modul range		from 0,5	mm
Measurable face width		1100	mm
Distance between centers	min./max.	300 - 1900	mm
Measurement accuracy Gear inspection according		VDI/VDE 2612/2613, Group I	
Measurement incertainty acc. to DIN EN ISO 10360 for 3D-measuring tasks		MPEE = 2,6 + L/350 MPEP =2,6 MPETHP = 3,1	µm
Traverse distances	X-axis Y-axis Z-axis	1500 2500 1200	mm
Rotary table loading	max.	8000[1]	daN
Machine dimensions	ca.	5560*2570	mm
Machine height	ca.	4070	mm

[1] Additional supply for hydrostatic rotary table necessary

Technical modifications are subject to change without previous notice.