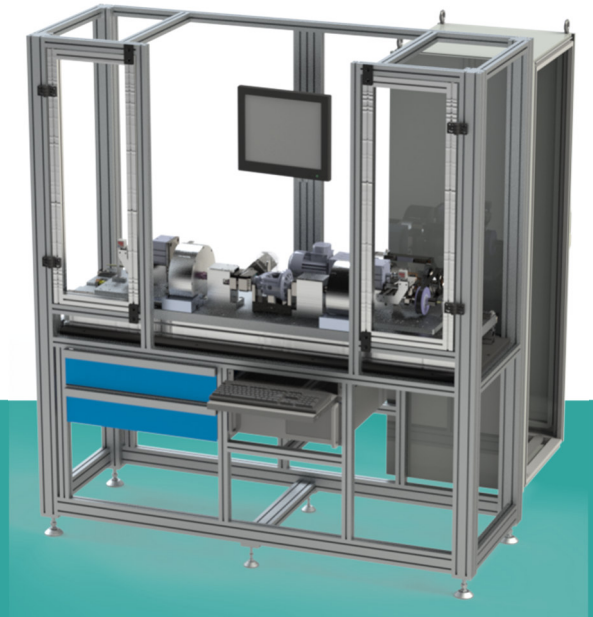


Measurement of axial play differential gear test station

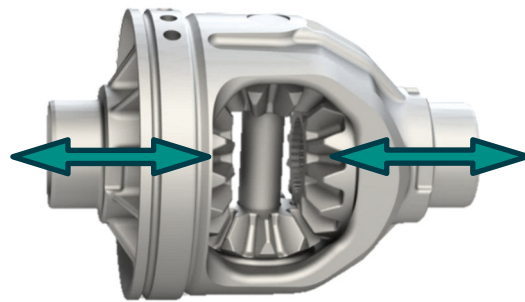


- Test station for measuring the axial play and the idling torque (drag torque) of bevel differential gears

- Axial play:
 - Insertion of pneumatically moved test axes into the bevel gear axes
 - Determination of the maximum play
 - Force and path evaluation
 - Test force can be parameterised freely
- Idling torque:
 - Determination by means of a test axis in the drive bevel gear and fixed transmission housing
 - Torque sensor

- - Manual equipment
 - OK/NOK evaluation
 - Flexibly adaptable to different sized differential gear types
 - Short cycle times

- Optional:
 - End-of-line measuring station with test axes adjustable by electrical motor, integrated in an assembly line by cycle belt
 - Variant as test station for determining the necessary thickness of the bevel gear setting rings



Technical Data

Test piece	Bevel differential gear
Measurement data	Axial play Idling torque, drag torque
Adjustable parameters	Max. test force (traction, pressure) Speed, direction of rotation, number of revolutions
Cycle time	approx. 40 sec
Measuring data processing and machine control	
Hardware	IPC
Operating system	Windows
Measuring data software	premeSTAR®
Visualisation	Screen
Storage, archiving	csv file
Export	individual QA systems, SQL database
Electrical characteristic data	IEC
Supply	230 V / 50 Hz / 16 A
Control voltage	24 V DC
Connected load	6 kVA
Compressed air connection	6 bar
Airborne noise emission	
Max. sound pressure level	<83 dB(A)
Eq. permanent noise level	<75 dB(A)
Machine dimensions	
Width	1.9m
Depth	1.3m
Height	2.2m
Weight	800 kg

