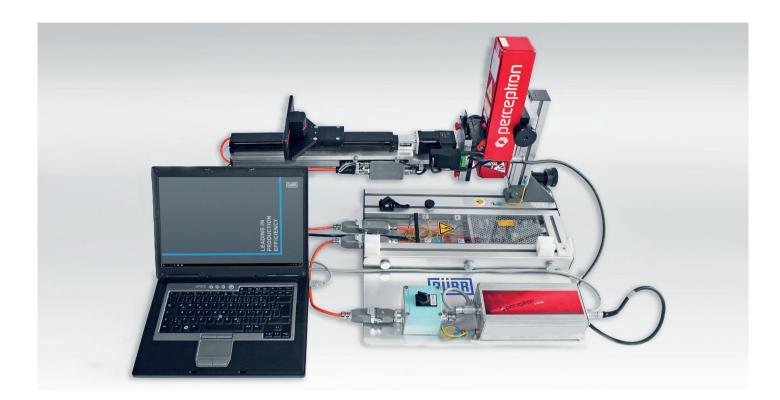
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NEXT.assembly

x-LinCheck-2D Mobile laser test device

The regular inspection of measuring equipment is essential. This also applies to measuring technology in the end of line area.

The mobile laser tester x-LinCheck-2D is used to check digital or analog x-contour sensors for linearity. During the linearity test, a reference contour piece moves in the measuring range of the sensor over a predetermined path and corresponding reference values are measured at defined holding positions. This process allows the linearity of each individual sensor in the entire measuring volume to be checked and evaluated.

The experience of Dürr Assembly Products leads to the recommendation to carry out the sensor inspection annually. This reduces the number of NIO lasers per inspection to a minimum and achieves positive effects.

CUSTOMER BENEFITS

Reduction of production downtimes due to measurement at the plant

Quality improvement through the continuous use of this service

Reliable quality statement due to calibrated measuring equipment

Direct results on site

No disassembly of the laser sensors required

x-LinCheck-2D

Mobile laser test device

PROTOCOL x-LinCheck-2D

To prove the test or to document the results, a corresponding result protocol is automatically generated.

Produkt / Produc	Bauteil / Data to the t	construction unit		
Perceptron DTC3				
Serien-Nr. / Serial No.		Auftrag-Nr. / Order No.	Auftrag-Nr. / Order No.	
110369		8122-01	8122-01	
Kunde / Customer		Standort / Location		
Daimler		Bremen	Bremen	
Linie / Line		Laserposition / Laser Pos	Laserposition / Laser Position	
Halle 9 / Linie 104		Höhe HL		
Angaben zum Prüfmittel / Testing	Test / Data to the te	est		
	einrichtung / Leistungsm	esser		
Testort / Test Location		Datum / Date	Datum / Date	
Bremen / Halle 3		28.10.2017	28.10.2017	
Linearitätstest / Linearity Check [mm]			Laserleistung / Power of Laser [mW]	
Toleranz / Toleran		Toleranz / Tolerance	0,8 - 1	
Min -0,11 Max 0,09	ОК	0,88	ОК	
Max 0,09				
-,				
	eise / Additional det	ails references		
	eise / Additional det	ails references		
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	TESTS
\Rightarrow	Linearity check
	Laser power
	Contrast of optics (IO/NIO)
	Creation of result protocol

- By using the device, each individual sensor or the complete measuring system is checked and possible errors are detected.
- This reduces the risk of incorrect measurements and avoids cost-intensive rework as a precaution.
- Possible "incorrect settings" due to incorrectly measuring sensors, which can lead, for example, to tilted steering wheels, are prevented.

CONCLUSION

Cost-intensive reworking and downtimes in production are avoided.

Subject to change. The information in this brochure solely contains general descriptions and performance features, which may vary in specific cases of application. The desired performance features are only binding if they have been agreed upon explicitly at the conclusion of the contract. © Dürr 2021

