



Check splined shafts in a few seconds with the new confocal system

Reduce inspection time by 95%



The confocal system gives the operator the ability to measure the spline profile optically and within seconds:

- Major diameter
- Minor diameter
- Pitch diameter
- Pitch circle run-out
- Spline coaxiality

The confocal function is available on the TECHNO range.

Internal diameters, run-out and more

The new confocal sensor enables fast verification of spline compliance.

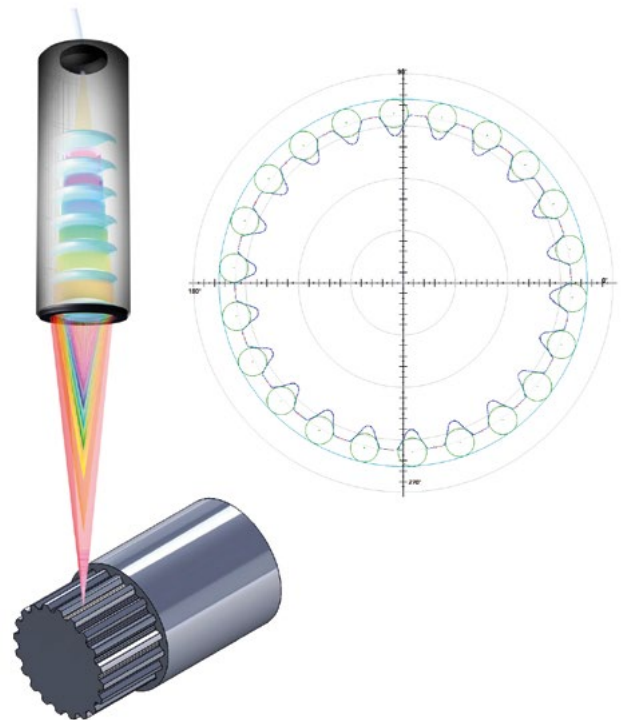
A single scan reconstructs the entire profile by detecting the inner diameter, roller dimension and run-out on the roller dimension.

The confocal function

Fast spline inspection on the shop floor.

No need to remove the component and take it to the metrology room for a complex and slow inspection.

With the VICIVISION optical measurement and confocal combination, any operator can measure external profile, static and dynamic measurements, as well as splines.



MEASURABLE SPLINES WITH CONFOCAL DEVICE	Without heat treatment	With heat treatment
Gear cutting with a hob 		
Milling 		
Chamfering 		
Rolling 		
Grinding 		
Electrical Discharge Machining (EDM) 		

The indicated performance can be guaranteed upon verification with a sample whose measurements have been obtained using an instrument other than the optical-confocal one.

	Accuracy (μm)	Repeatability (μm)
Dimension over balls (average)	6	5
Run-out over balls	6	5