



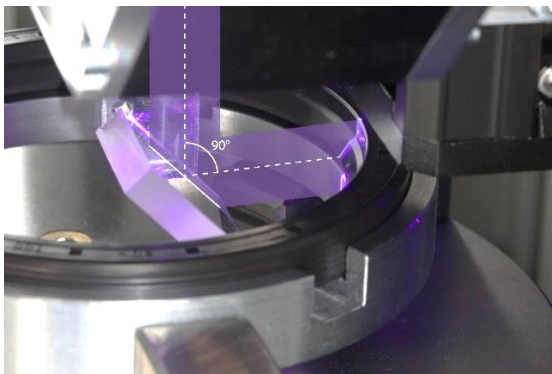
IMA-Sealscanner®

Description:

The IMA-Sealscanner® is a measuring device developed at IMA to automatically measure and evaluate the wear width and inner diameter of a spring-preloaded elastomeric lateral shaft seals without hydrodynamic return structures.

Technical Data:

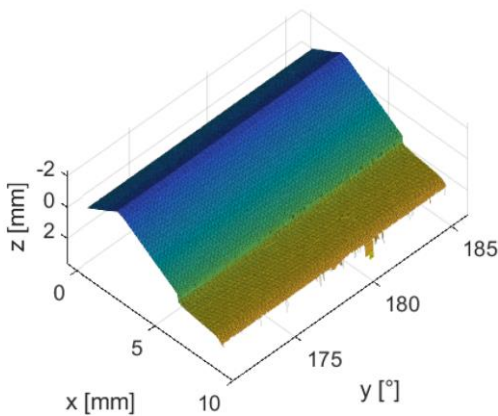
Max. seal nominal \varnothing	200 mm
Min. seal nominal \varnothing	25 mm
Measuring principle:	Laser line triangulation
Measuring resolution in axial direction:	5 μ m
Measuring points per profil:	3200



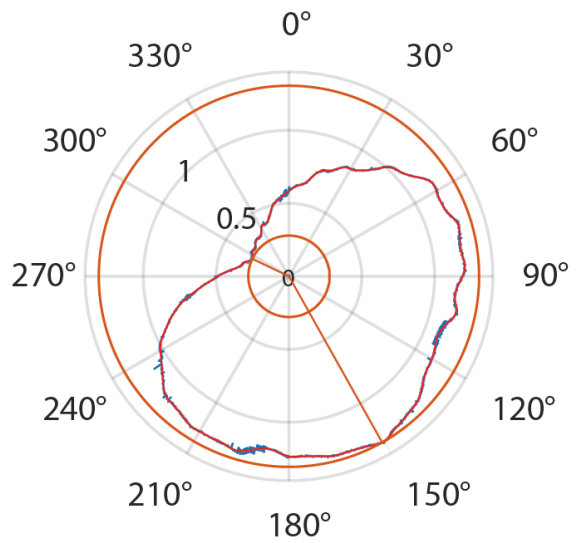
Beam path and deflecting mirror

Available Test Methods:

- Geometric measurement of the sealing edge geometry
- Automatic evaluation of the wear width
- Measurement of the inner diameter of the seal and determination of the overlap



3D measurement of the sealing edge (representation from the Sealscanner® Viewer)



Wear width [mm]

Wear width curve of a sealing ring