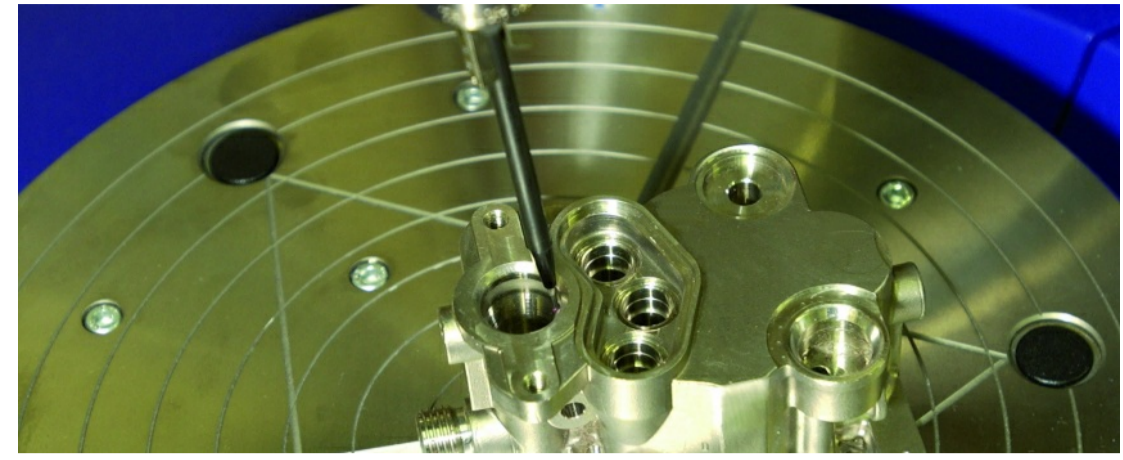


3D METROLOGY FOR CIRCULAR PARTS

Get a high-precision 3D-view of your circular parts (shape defects, cylindricity, circular roughness)



Your expectations

You want to characterize the state of a circular part or cylinder after machining (manufacturing parameters) or use (record corrosion defects depth, understand a tightness or wear defect) or need to choose most reliable control parameters. You need to:

- use 3D-cylindric mapping
- measure circularity parameters, cylindricity, vertical or horizontal straightness, parallelism, simple or multiple flatness, perpendicularity, concentricity or excentricity, coaxiality, partial arc circularity or flatness (linearity)
- measure circumferential surface state (for example on sealing surfaces)
- perform an harmonic analysis

Our solutions

We bring you a metrology service on a Talyrond 365 machine belonging to the new range of circularity measuring instruments who are renowned for their accuracy and reliability (radial accuracy $<0.02\mu\text{m}$, cone error $0.0003\mu\text{m}/\text{mm}$, calibration up to 18000 points in rotation and 200000 points in horizontal straightness)

The testing is non-destructive

Your benefits

- Cetim's metrology experts guarantee the method used and best-time results
- our technical center is equipped with many complementary measuring means