

Inspection system for ovality measurement

- *Cross section profile measurement by light section method*
- *Over 1000 profile measuring points*
- *Continuous inline measurement and product roundness control*
- *Different gauge heads depending on accuracy demands*
- *Reject reduction by process optimization*
- *Fast integration in the production process*

The systems hardware and gauge heads positions can be sized and cascaded depending on product size and accuracy demands.

Features

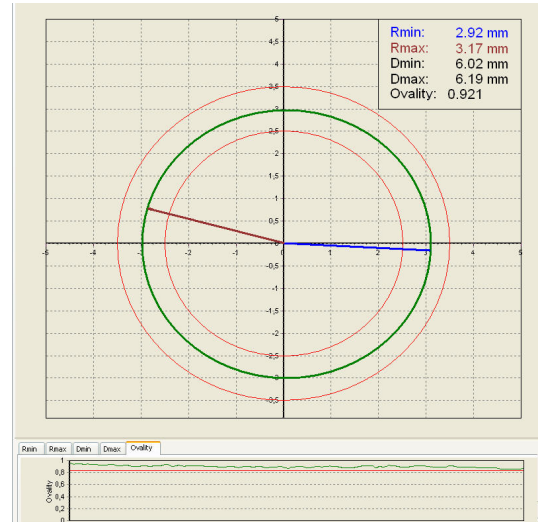
- Contactless roundness measurement
- Gauge heads with variable resolution
- Display of all relevant dimensions, e.g. minimum, maximum and average radius/Diameter, ovality etc.
- Acceptable tolerance monitoring and alarm function
- Measurement data logging for continuous process quality documentation
- Seamless PC-integration in an available Windows network

Interfaces

- Dig. I/O for ok/nok
- TCP/IP
- Measurement data output to a data base or Excel-compatible file

Quality intensification and cost reduction

Measurement results can in addition to product quality assurance also be used for production optimization. This way process adjustments can be made and rejections can be separated.



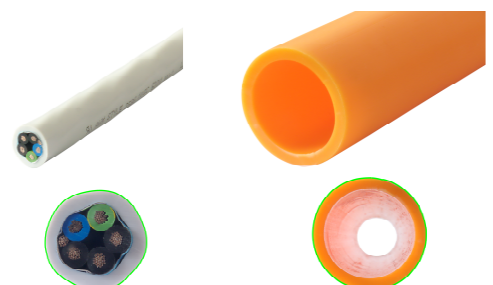
Results ovality measurement

Advantages

- Complete contour image
- Trend display
- No abrasive wear
- Maintenance free
- Easy to calibrate
- Fast and easy integration in production lines
- Data for reliable production quality adjustment
- Product quality optimization

Application range

- Cable, wire and strands
- Round steel bars and other round profiles
- Pipes, tubes and inner tubes



keeping an eye on quality