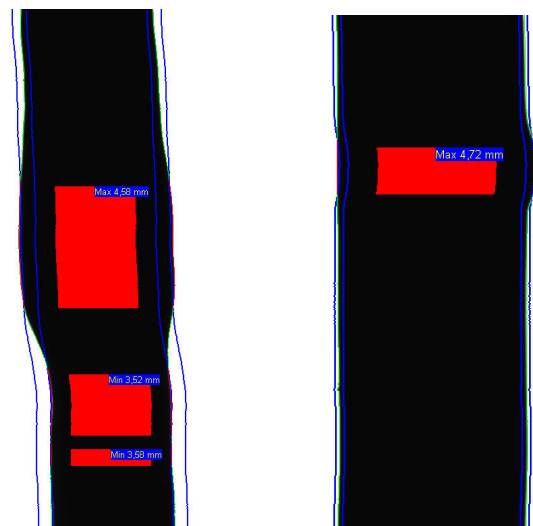
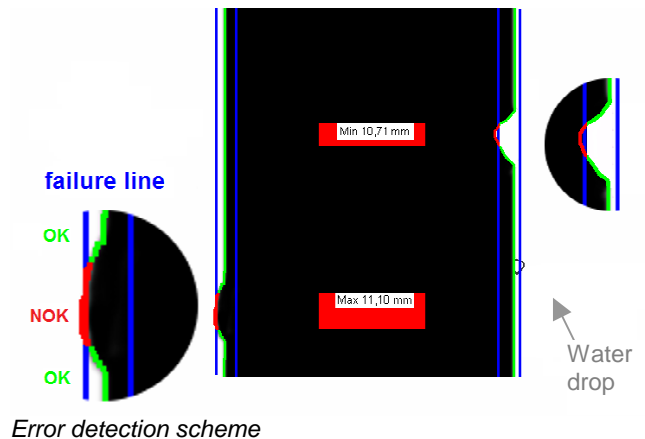


Lump checker

- Cable norm diameter check
- Error images can be displayed and stored
- Error detection can be parameterized over error shape
- Water drops can be excluded as errors
- Automatic error classifying
- Varying gauging heads regarding sample rate and measuring accuracy
- Gauging heads for 1-axis, 2-axes and 3-axes control
- Ovality test by multy-axes control

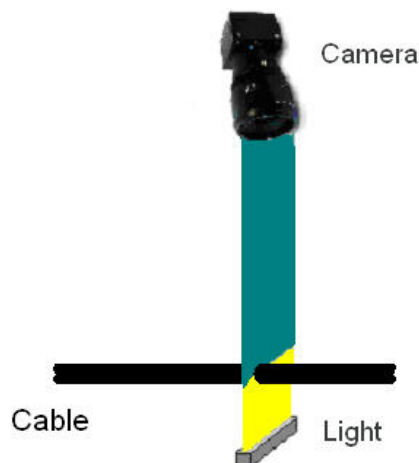
Gauging head variation

- ▶ 1-, 2- or 3-axes,
- ▶ 1k, 2k or 4k sensor,
- ▶ Varying optics in relation to cable diameter and desired accuracy.



Measurement principle lump checker

over x axis backlighting
measurement



Features

- Complete monitoring
- Error images are displayed with tolerance range.
- Error images can be stored.
- Sample rates up to 36 kHz
- Accuracy from $\pm 0,01\text{mm}$
- Tolerance range and error length can be set and selected for different products
- Error output over dig. I/O-signal
- Fast configuration function

keeping an eye on quality