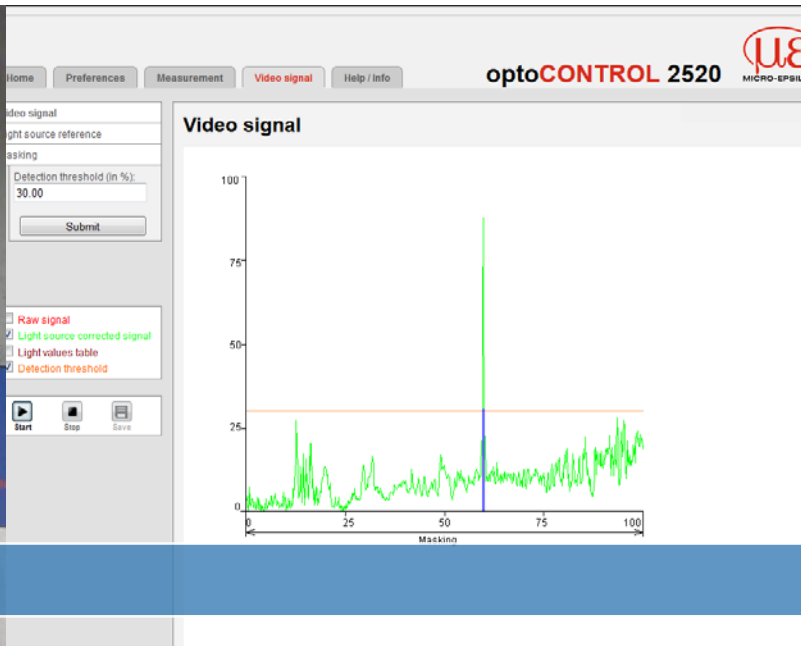
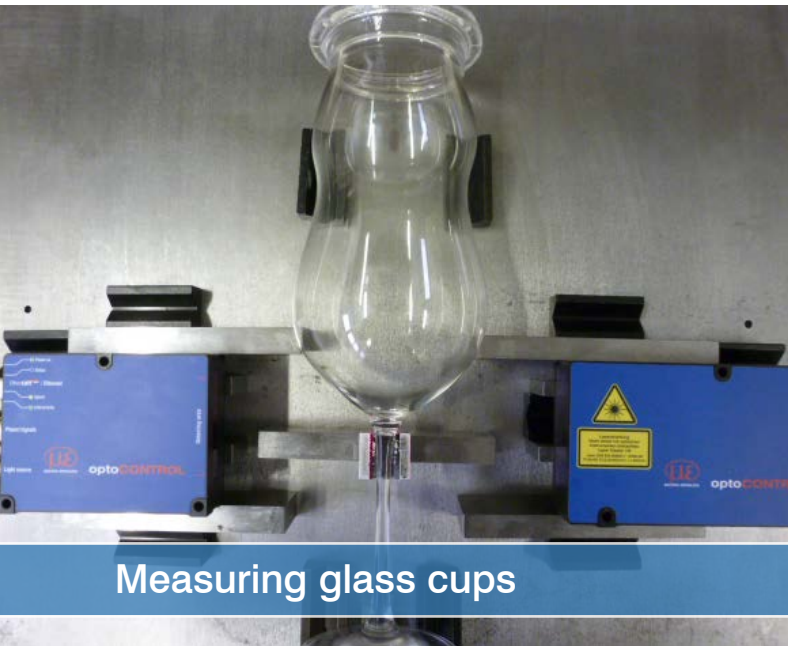


A285

Optical micrometers optoCONTROL



Measuring glass cups

In the production of drinking glasses, the stem and cup are connected using a gas burner. In order to enable the precise connection of the glass stem and cup, the distance between stem and cup needs to be measured. Monitoring this gap size allows for feed rate control during production.

An optoCONTROL optical micrometer measures this gap. Although the ODC2520-46 can be installed at a large distance from the gas burner, the glass edges are still detected reliably. Due to the high level of heat generated, the micrometer is equipped with purge air or a cooling housing. The gap size is measured before the heating process occurs and the data is transferred via Ethernet to the control system, which regulates the feed process.

Advantages

- Large distance between transmitter and receiver
- Reliable detection of glass edges
- Measuring range 46mm
- Faster process times due to inline application
- Waste reduction

Requirements for the measurement system

- Measuring range: 0.5 - 30mm
- Accuracy: from 100 μ m
- Resolution: from 10 μ m

Ambient conditions

- Temperature: 0-50°C

System design

- ODC2520-46
- C-frame provided by customer
- Air purge housing provided by customer