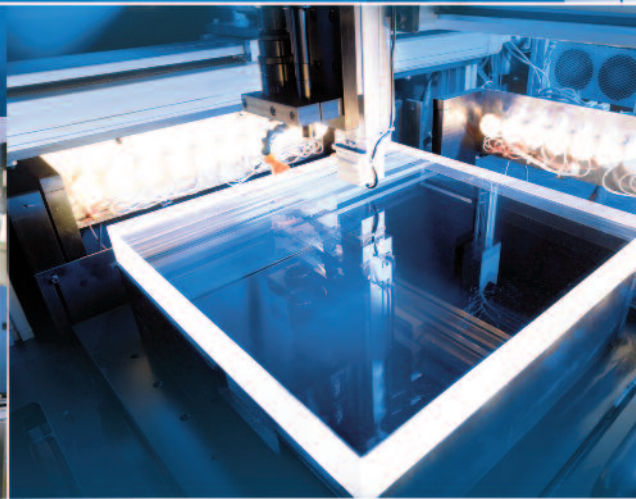
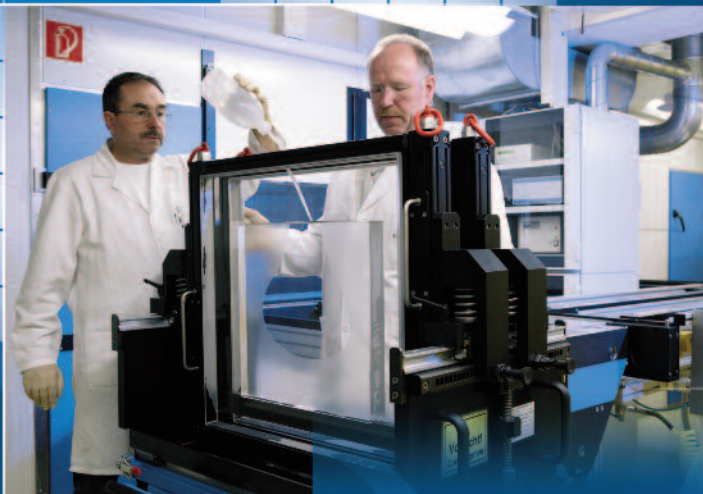
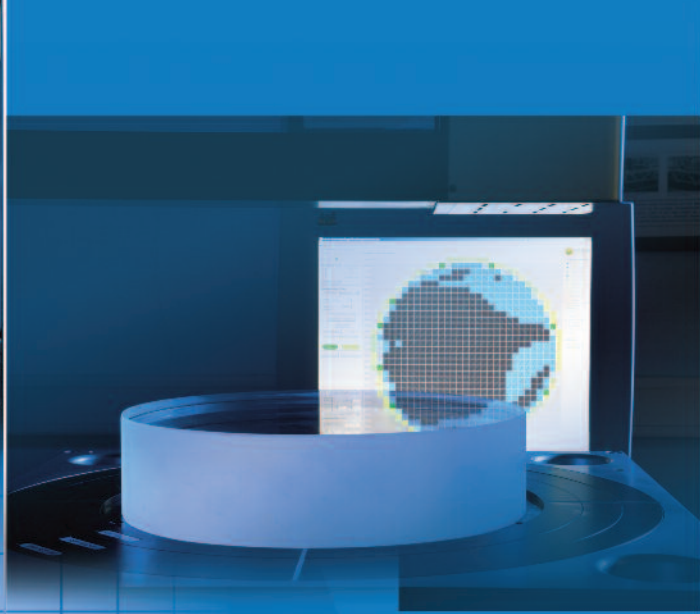
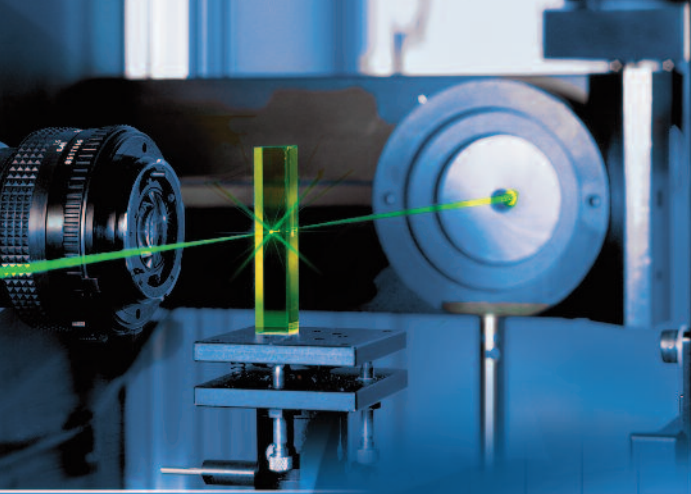


# Heraeus



**Heraeus Metrology Service**



## Transmission

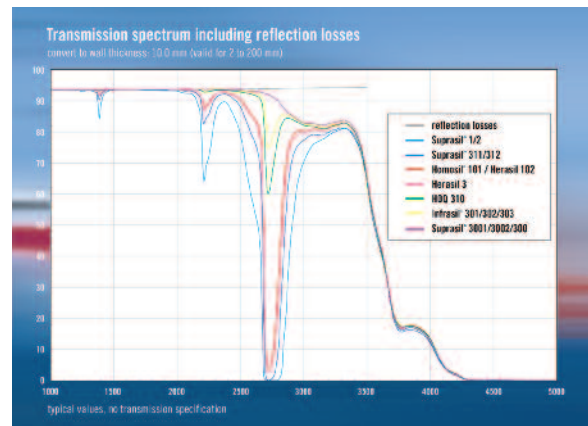
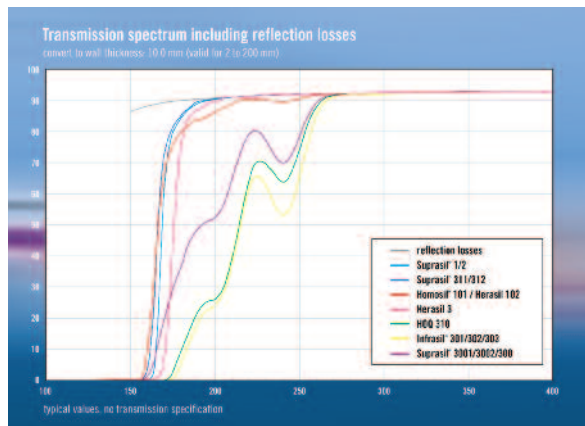
190 nm – 500 nm → Transmission spectrum or single wavelength measurements

Measurement range: 190 nm – 5000 nm

Data: 1 datapoint per nm

Accuracy: 0.5 %T

Sample size: Thickness of samples min. 10 mm, angular or round, min. area 20 x 20 mm<sup>2</sup>, max. 100 x 100 mm<sup>2</sup>



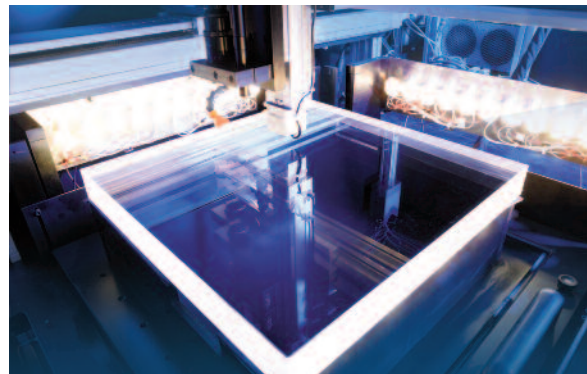
## Bubble and Inclusion Inspection

Automated detection system down to 10 µm defect size → 3D maps with analysis

Measurement range:  $\geq 10 \mu$

Accuracy: Defect size  $\pm 20 \%$ ,  
Defect location  $< 1 \text{ mm}$  in position

Sample size: 500 x 500 x 140 mm<sup>3</sup>



## Density

Accuracy: 0.01 g/cm<sup>3</sup>

Sample size: Sample volume approx. 1 cm<sup>3</sup>

## Viscosity

Measurement range: 1000°C – 1500°C

Sample size: 55 x 5 mm,  
thickness between 1 – 3 mm

Accuracy: lg 0.2 dPa s

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