Calibration solutions for Pick & Place equipment

Calibration plates and dummy chips for on-line calibration of Pick & Place and Flip-Chip equipment
Applications

- Calibration plates
- Dummy Chips, custom made glass components
- In-house measurement certificates

Benefits

- A wide range of optical properties of the surface possible

Technical Data

Substrate materials

- Sodalime (Floatglass)
- Borosilicate (Borofloat)
- Quartz glass (Fused silica)
- ULE, Zerodur

Thin film layers

- High and low-reflection (black) chrome
- Aluminium, gold and other metallic layers
- Antireflection coatings

Special features

- Holes into the glass and bevels according specification
- Shaped of finished substrate according to the requirements
- Double sided and aligned structures
- Shaped adhesive foil
- Cementing into frames

Accuracy and orthogonality

- Accuracy (2 Sigma) at 20.0 °C: ± (0.5 μm + 5.0 x 10⁻⁶ x L)
- Accuracy (2 Sigma) at 20.0 °C using the copying process: ± (0.5 μm + 25 x 10⁻⁶ x L)
- Orthogonality < 3 μrad

About IMT

- Foundry for optical, electrical and micro-fluidic structures and components
- Fast prototyping through in-house mask manufacture
- Staff of 100 employees
- 1300 m² clean room

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