



Micro Optical
by Precizika Metrology



Micro Optical by Precizika Metrology brand's goal is to give our customers competitive advantage by providing state of the art customer-specific micro-optical solutions: glass discs, linear scales, disc hubs, steel tape and various custom solutions like test targets, calibration plates and others.

Various glass options: float glass, BK7 optical glass, ceramics, aluminium oxide and others.
Low CTE: quartz glass, borosilicate, Robax, Zerodur.

GLASS DISCS

Up to 400 mm diameter
Grating pitch: from 8 μm
Thickness: 0,5 - 8 mm



LINEAR SCALES

Max. scale length: 3400 mm
Max. measuring length: 3360 mm
Steel tape option up to 10 000 mm length





DISC HUBS

Glass discs of up to 400 mm in diameter and thickness from 0.5 to 8 mm. Gluing disc hubs on various materials i.e. various steels including stainless, aluminum, etc. Ensuring radial and axial runout of the disc of up to 1-2 μm . Designing drawings, producing and assembling disc hubs as well as providing coating according to the customer's requirements.



RETICLES AND CUSTOM SOLUTIONS

Full CAD and data editing services.

Glass sizes ranging from 2 to 500 mm.

A variety of substrate materials: float glass, BK7 optical glass, ceramics, aluminium oxide and others.
Low CTE: quartz glass, borosilicate, Robax, Zerodur.

Thickness: from 0.1 mm.