



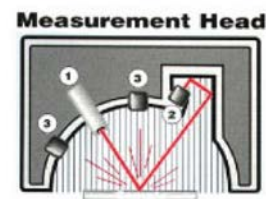
Research division: Optical and photonic technologies

## We offer roughness measuring of optical surfaces



We offer contract measuring on hand roughness measuring device μScan from SCHMITT Industries, Inc. company.

- μScan is used for quick non-contact measuring of:
  - roughness of optical surfaces.
  - manufacturing control of work surface quality.
- Advantages of μScan device:
  - hand-held portable device.
  - the value of middle quadratic deviation of surface roughness  $R_q$ , middle nominal deviations of roughness surface  $R_a$ , reflectivity and space scattering function BRDF are directly displayed.
  - interconnection with PC for result stacking and statistical measuring evaluation.
  - non-destructive and fully automatic measurement.
  - adjustable for plane and curved surfaces.
  - interchangeable measuring heads.
- Device measures values of middle quadratic deviations of surface roughness  $R_q$ , reflectivity and space scattering function BRDF on wavelengths 670 nm or 1300 nm.
- Measuring ranges:
  - $R_a, R_q$ : 1Å – 1100Å.
  - Reflectivity: 0,1 – 100,0%.
  - BRDF:  $10^{-6} \text{ sr}^{-1}$  –  $1 \text{ sr}^{-1}$ .



Schematický náčrt měřicí hlavy.

Contact for technical communication: RNDr. Petr Schovánek

@ petr.schovaneke@upol.cz

✉ 17. listopadu 50A, 77207 Olomouc

☎ 58 563 1503

Contact for business communication: Prof. RNDr. Miroslav Hrabovský, DrSc.

@ miroslav.hrabovsky@upol.cz

✉ 17. listopadu 50A, 77207 Olomouc

☎ 58 563 1502

