

Measurement of foreign substances bearing surfaces

Miniature microscopes employing elliptical mirrors as collecting mirrors are effective for measuring curve metallic surfaces such as bearings. The foreign substance adhering to bearing contacts is Teflon resin.

Instrument: FT/IR 7000
Attachment: M-500/R
Reflectance method, aperture size: 160 $\mu\text{m}\phi$
Accumulation: 32 times
Resolution: 4 cm^{-1}
Detector: MCT

