



Laser Rod Repair Service

IR - Visualisation Screens

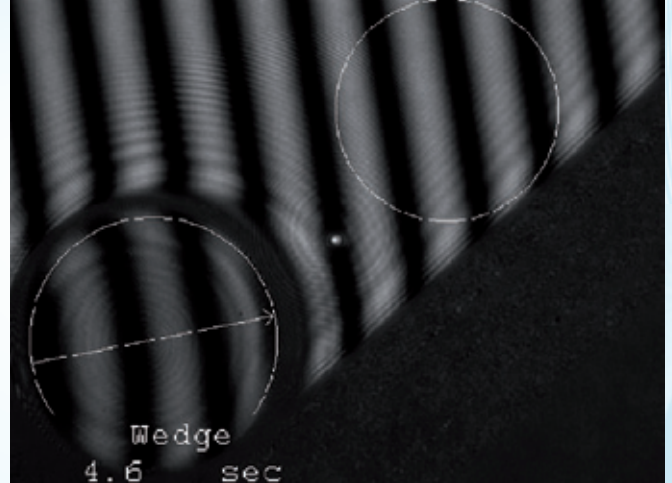
LASER ROD REPAIR SERVICE

At Crytur, your laser rods can be cleaned, re-polished and coated with new antireflection or reflection dielectric layers.

Standard rod diameters: 2 – 12 mm

Surface quality according to DIN and MIL standards

Flatness: $\lambda/10$ at 633 nm and parallelism < 10 arc sec, controlled by a Zygo double pass interferometer



IR – VISUALISATION SCREENS

IR- visualization screens made by CRYTUR convert the infrared laser beam to a visible spot based on two-photon absorption of laser radiation and conversion into visible light.



Size: 75 x 75 mm

Size of active area: 50 mm in diameter

Other dimensions are available upon request

IR – SCREEN-ND:

This screen converts 1064 nm Nd:YAG laser beam into a green spot. Screens with conversion into a red spot can be made upon request. This screen is especially suitable for alignment of high power CW Nd:YAG laser resonators because of its high damage threshold.

Detection limit: 0.5 W/cm²

Damage threshold: 100 W/cm²

IR – SCREEN-ER:

For visualization of laser radiation in the eye-safe region. This screen is especially suitable for alignment of Er:glass laser resonators emitting at 1.53 microns.

Detection limit: 0.1 J/cm²