



MACROPHOTOGRAPHY BENCH

Mirror photography system

Technological Advantages

Optimum lighting conditions

Complete elimination of parasite reflections during image acquisition of optical components.

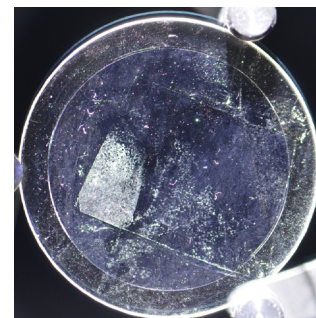
Uniformisation of lighting in camera's field of view when we take a photo of a highly reflective surface, or on the contrary a very transparent surface such as anti-glare treatment.

4 types of lighting

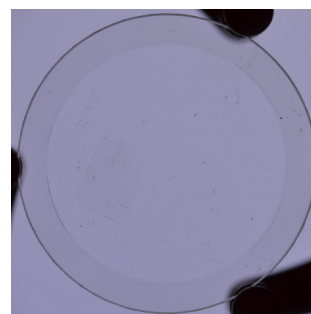
- Backscatter
- Reflection
- Transmission
- Distribution



Reflection mode



Backscatter mode



Transmission mode

Summary of the invention

Invention allowing use of a photographic bench to take pictures of very fine disturbances of polished surfaces -- reflective and transparent -- and to reveal the faults by eliminating all parasite reflections.

Photographic bench based on specific lighting conditions to enable highlighting of defects such as scratches, digs, unbonding, fingerprints and particle and molecular contamination, which have very little contrast under normal lighting conditions.

Potential Applications

Space: optical systems used on satellites

Non-space applications: optics, photography, LCD displays, automotive, aeronautics

Commercial Advantages

Fast, simple and affordable system

Patented invention, available under license