

OPTICAL CHARACTERIZATION BENCH

EVALUATION AND VALIDATION OF OPTICAL PARTS

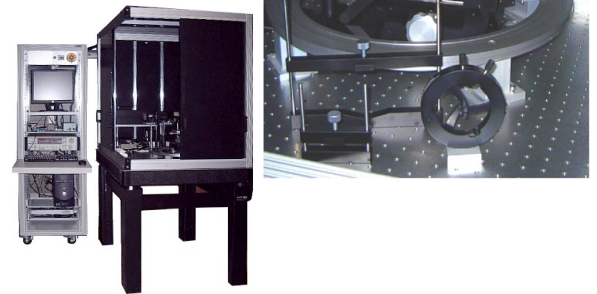
BANC BTO

DESCRIPTION

The AdvEOTec BTO bench is a dedicated station to the optical parts spectral characteristics measurement: in transmission, reflection and photopic measurement in the near ultraviolet (UV), visible (V) and infrared (IR) ranges.

This station was designed to adapt to a large variety of optical systems. The bench is easy and quick to use: part loading, optical alignment, file-based measurement configuration, archiving of results in ASCII files, ...

Compact and enclosed, this station integrates easily into any environment. It is manufactured and assembled in our laboratories.



Components to be measured

Ocular
Concave lenses, convex lenses
Prisms, Mirrors, Optical windows
Optical sub-assemblies

Applications

Optical components evaluations and qualifications
Manufacturers of optical series parts
Design and production laboratories for specific optical parts

MAIN CHARACTERISTICS

Specifications

- 360° rotation (for transmission and reflection measurements)
- Micro-displacement Alignment X, Y, Z
- Micrometric angular definition
- Optical sources and detectors
- Optical anti-vibration table
- Measurement and control instrumentation bay
- Enclosure
- Samples size: from some mm³ to dm³

Advantages

Quick and easy to use
Operator-configurable (measurement sequence)
Adapted to different size of optical parts or sub-sets
Control via dedicated software / Fast measurement and archiving
Usable in ambient light
Enclosure for enhanced precision
Ergonomics

TYPE	DESCRIPTION	TYPE	DESCRIPTION
Monitoring	Transmission Reflexion Photometrics	Particular optical functions	Position for filters and polarizer
Wavelength range	200nm to 3000nm	Precision Line width	0.5%. adjustement > 1nm
Measurement speed	Less than 2mn per parts for 10 wavelengths		

Safety & Training

AdvEOTec offers a training and implementation assistance for the use of its equipment.

Control

Control, measure, raw datas, time-stamping and archiving

**Other configurations, contact us...*

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