

Spectral measurement of optical filters for Earth observation

Description



- Spectral separation of different zones
- Zones are spatially distributed on the substrate
- Final products are customized for size, spectral performance, and number, size, and location of zones

Challenge

- Individual zones can be less than 1.0 mm
- Layout of zones is customer-specific
- Filter size can vary depending on the mating array
- Measurement procedures are time-killers
- XY mapping is needed occasionally

Solution



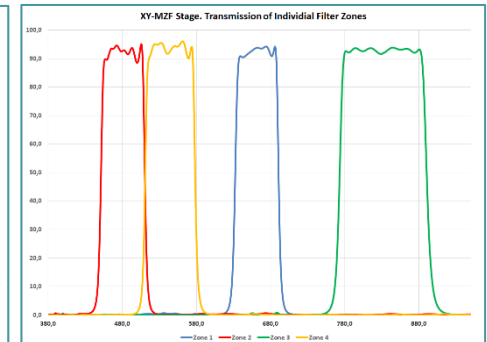
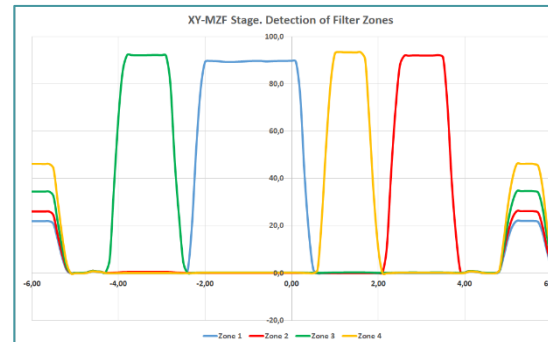
PHOTON RT Spectrophotometer



XY-MZF Motorized Stage



Computer-controlled filter mapping and spectral measurement



The technology was also successfully tested on linear variable filters

What can we do for you?

Provide state-of-the-art spectral measurement solutions for your optical thin film coatings from UV to MWIR, at different AOI, different polarizations.

Samples: flats, cemented prisms, lenses and lens assemblies.

What can you do for us?

1. We constantly look for broadband, compact light sources with high illumination density.
2. Please challenge us with your puzzling questions and projects on the thin film optical metrology.