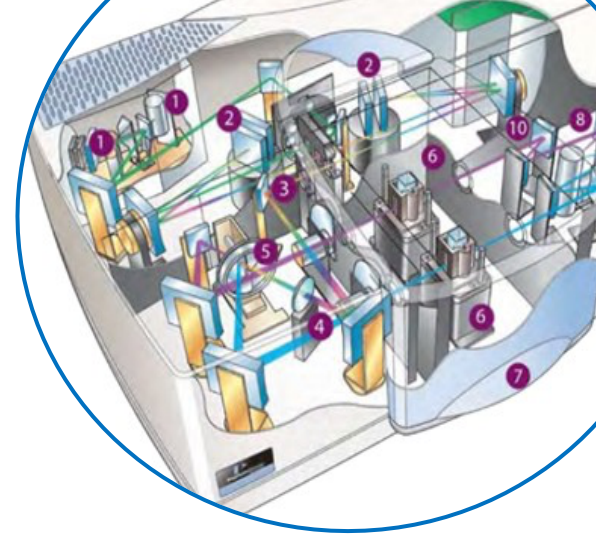


Wide range, multi-incidence, multi-polarization Spectrophotometer

Lambda 1050+ – Perkin Elmer

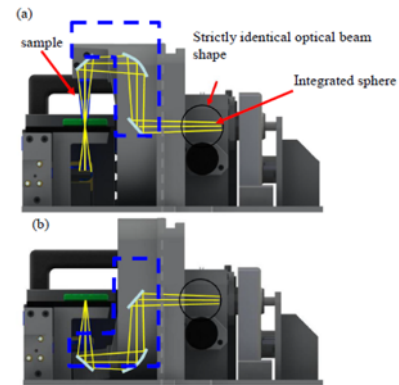
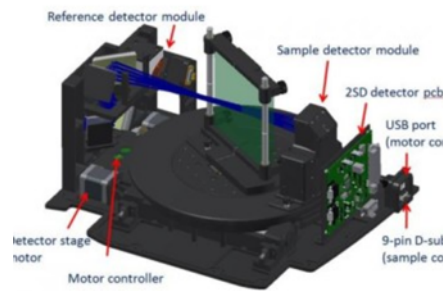


The PerkinElmer LAMBDA 1050+ UV/Vis/NIR spectrophotometer is designed to offer high performance for the analysis of a wide range of samples, including the analysis of coatings and components in research and industry.

We have two independent chassis and four different configuration modules (T, URA, 8RT, TAMS) for maximum flexibility depending on the geometry and expected performance of the components to be measured.

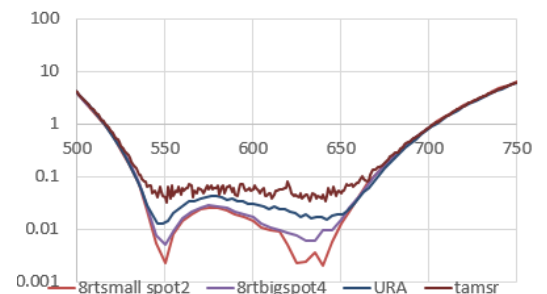
Technical specifications

- From 175 to 3300nm
- UV/Vis resolution 0.1nm
- NIR resolution 0.2nm
- PMT R6872 UV/Vis
- Peltier-cooled InGaAs 860-2500nm
- Cooled PbS 2500-3300nm
- Absolute Precision 0.1%
- Modules developed by OMT solutions:
 - 8RT : R and T measurements with a strictly identical optical beam shape (integration sphere detector)
 - TAMS (Total Absolute Measurement System): sample and detector are both located on independent rotating stage.



Realizations

Example of ultimate measurement of a double side coated AR filter with $R < 0.01\%$



Field of applications

Specular (R, T) spectral response of optical filters, semi-conductor components, mirrors, etc... Absorbance measurements.