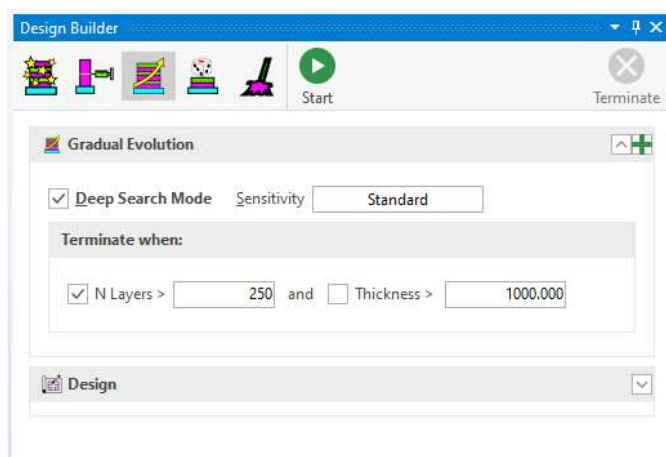
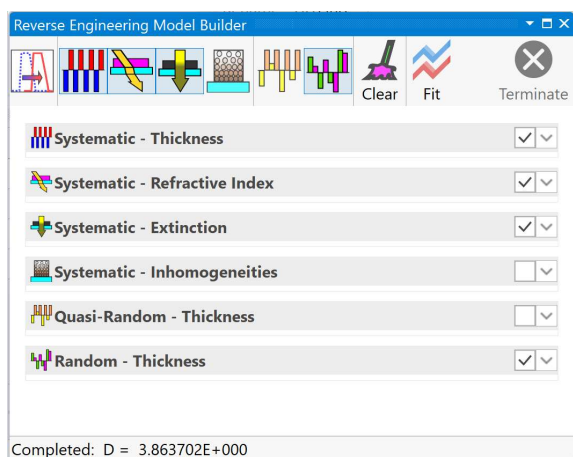


# OTF Studio: Design Software For Optical Thin Films

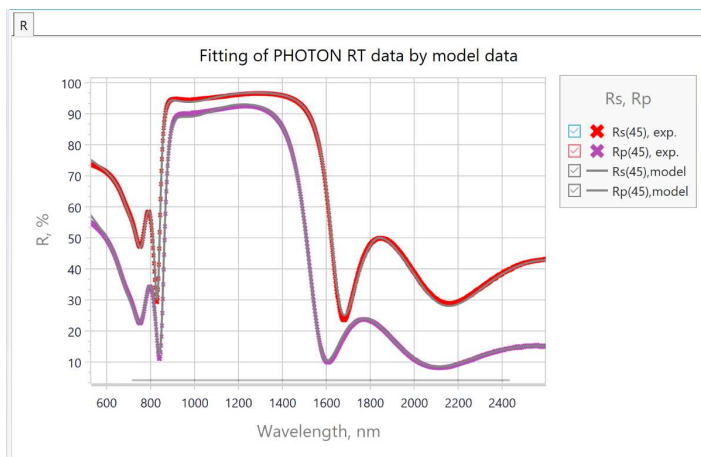
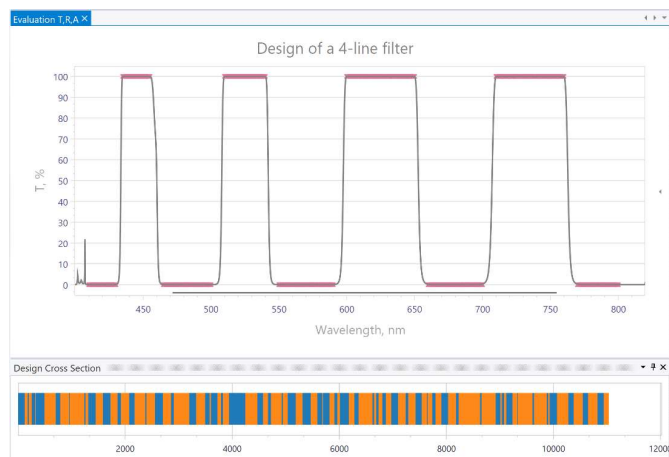
VM-TIM thin film technologies offers the complete package for measurement and evaluation of the optical thin films. The measurement of the spectral characteristics of thin films is carried out by the spectrophotometer Photon RT and the evaluation of the spectra is carried out by the Thin-Film Software designed by OTF Studio. The software allows the design of the thin films as well as the reverse engineering.

OTF Studio offers also the software taReo. It is an advanced software tool designed to aid in the production of multilayer optical coatings in deposition chamber equipped with broadband optical monitoring (BBM). Algorithms can be utilized to analyze the continuous data flow of inline measurements, determine the appropriate termination time for layer deposition, to characterize previously deposited layers and the subsequent optimization of the remaining layers.

## Thin Film Software



- OTF Studio is a fast, effective, and user-friendly software supporting all elements of the modern production chains: from design to post-production characterization of multilayer optical coatings.
- OTF Studio allows importing data from many well-known spectrophotometers, ellipsometers, Excel files, and RefractiveIndex.INFO platform with one click. Measurements recorded by PHOTON RT can be easily imported with one mouse click.
- OTF Studio has effective, original, smart, and flexible post-production algorithms and models for reliable determination of actual layer thicknesses and optical constants.
- Together with PHOTON RT, OTF Studio can support the entire modern technological chain from design to post-production characterization of multilayer optical coatings.
- OTF Studio provides unprecedentedly effective, powerful, and rapid design algorithms, incorporating elements of machine learning, as well as production friendly design tools. OTF Studio harnesses the capabilities of multi-threading and parallel computations.

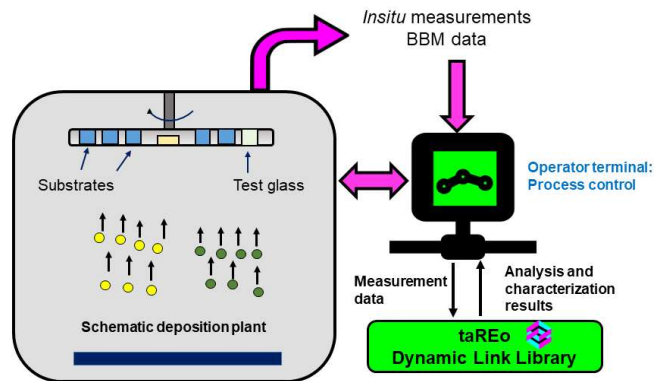


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## taReo: Automation of Thin Film Deposition



- taReo demonstrates unparalleled computational efficiency, the computational speed is exceptionally high, even when dealing with numerous layers. There is no need to interrupt the deposition process to re-optimize the remaining layers or obtain characterization results.
- The software allows for an unlimited number of points in the wavelength grid, enabling precise and detailed analysis across a wide range of wavelengths.
- There are no limitations on the number of design layers that can be utilized in the software. Complex coating designs can be easily accommodated.
- The software provides flexibility in material selection for the coating design process.