

Ellipsometry Solutionssm for your Thin Film Characterization.



J.A. Woollam Co. has the world's widest variety of **Spectroscopic Ellipsometers** with **8** different models to non-destructively characterize thin film thickness and optical constants. After **29** years, over **15,000** samples characterized in our lab, and over **150** patents – we are the Ellipsometry Experts.

Ellipsometry Solutions



alpha-SE®

Designed for low cost and ease-of-use, the alpha-SE is perfect for routine measurements of thin film thickness and refractive index. Compact base with three manually-selectable angles of incidence and a spectral range which includes 180 wavelengths from 380-900nm.



IR-VASE®

The IR-VASE is the first and only spectroscopic ellipsometer to combine the chemical sensitivity of FTIR spectroscopy with thin films sensitivity of spectroscopic ellipsometry. Spectral range includes 1.7 to 30 microns (333 to 5900 wavenumbers).



RC2®

The RC2 design builds on 25 years of experience. It combines the best features of previous models with innovative new technology: dual rotating compensators, achromatic compensator design, advanced light source, and next generation spectrometer design.



VASE®

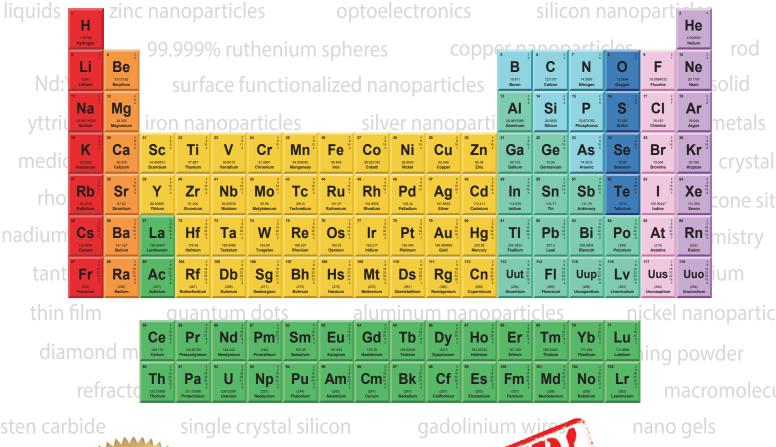
The VASE is our most accurate and versatile research ellipsometer for all types of materials: semiconductors, dielectrics, organics, metals, multi-layers, and more. Now available with the widest spectral range from ultraviolet to infrared.



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As one of the world's first and largest manufacturers and distributors of nanoparticles & nanotubes, American Elements' re-launch of its 20 year old Catalog is worth noting. In it you will find essentially every nanoscale metal & chemical that nature and current technology allow. In fact quite a few materials have no known application and have yet to be fully explored.

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