



Quantum Design

LATIN AMERICA

Raising The Science

Materials Science

Spectroscopy

Cryogenics

Optics

Nanoscience

Sample Synthesis

Biotechnology & Chemistry

Industries

Microscopy

Quantum Technology

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J.A. Woollam Company was founded in 1987 by Dr. John A. Woollam. Starting as a spin-off from the University of Nebraska, the the company has rapidly grown to become a worldwide leader in spectroscopic ellipsometry. We have been perfecting our technology for over 30 years and have secured over 200 patents.

The M-2000® line of spectroscopic ellipsometers is engineered to meet the diverse demands of thin film characterization. An advanced optical design, wide spectral range, and fast data acquisition combine in an extremely powerful and versatile tool. The M-2000 delivers both speed and accuracy. The VASE® is an accurate and versatile ellipsometer for research on all types of materials: semiconductors, dielectrics, polymers, metals, multi-layers, and more. It combines high accuracy and precision with a wide spectral range – up to 193 to 3200 nm. 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. The RC2 is a near-universal solution for the diverse applications of spectroscopic ellipsometry.

Most common applications:

- Dielectric films
- Self-assembled monolayers
- Very thin films
- Absorbing films
- Coating on glass
- Liquid Crystals
- Semiconductors
- Photosensitive Materials
- Chemistry/Biology: liquid cells
- Conductive Organics
- Photovoltaics

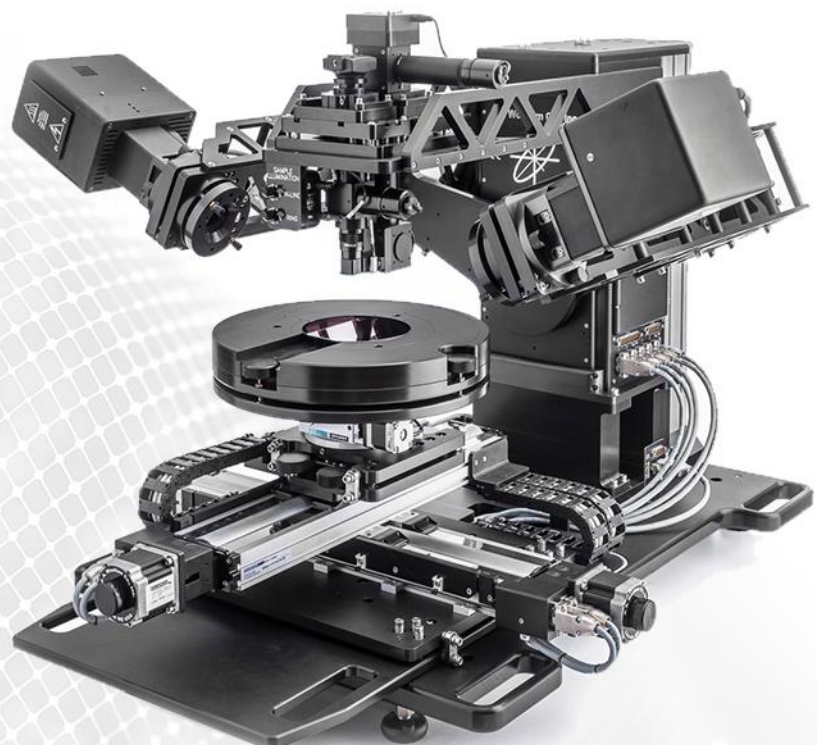
BIG AREAS

Industries | Materials Science

Optics | Spectroscopy

Key features:

- Compact
- Fast CCD Detection
- Auto Alignment
- Transmission mount
- Translation samples
- Focusing option
- Low or high temperature options
- In situ analysis for MBE, Sputtering, ALD, e-beam evaporators
- Dual Rotating Compensators
- Wide Spectral Range



 J.A. Woollam

