



The Cernera Group, Inc.

[www.tcg-rep.com](http://www.tcg-rep.com)

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## *Product Sales Guide*

**Reflectometry  
based  
Film Thickness**



[www.foothill-instruments.com](http://www.foothill-instruments.com)

Foothill Instruments offers complete metrology solutions that include film thickness and layer metrology for various film types and complex structures. Wavelength ranges available from visible to IR. Thickness ranges from 400 Å to 400 microns.

**Wafer Sorting  
And  
ID Reading**



[www.nadatech.com](http://www.nadatech.com)

With over 85 years of experience, Nada Technologies Inc. is committed to being a key wafer sorter provider for the global semiconductor wafer automation market. State of the art wafer sorters for virtually all wafer sizes and "Sorter Plus" platforms round out the product line.

**Microscope  
Automation  
and More**



<http://www.prior-us.com/>

Prior Scientific designs and manufactures a wide range of scientific instrumentation, specializing in microscope automation and optical microscopy. This has been the core of our business since 1919. Our experience is unrivalled and our commitment to engineering excellence is reflected in the performance and quality of our broad product portfolio. Although we offer a range of standard products, Prior also offers OEM and customized solutions tailored to your individual requirements. Many of the world's leading scientific instrumentation companies already benefit from Prior's expertise..



[www.franklinstages.com](http://www.franklinstages.com)

A leader in highly reliable microscope stages, stands and accessories, Franklin also supplies competitively priced wafer loaders for all microscope types and wafer sizes. Custom systems for virtually all applications, including OEM's.



[www.paxit.com](http://www.paxit.com)

PaxCam digital cameras with Pax-it! Software from MIS is an easy to use, Windows based digital imaging system for science and industry. As a true 32-bit application, Pax-it! Gives you the power and control you need with a familiar interface, at the right price.

**Digital Image  
Management**

(More Products on Reverse Side)

**Implanter  
Components**



[www.iontechsol.com](http://www.iontechsol.com)

iON Technology Solutions (iTS) is a formidable provider of high quality sub-assemblies and components for Ion Implant Vacuum Process Tools used by manufacturers in the data storage, wireless, and semiconductor industries. iTS focuses on providing your processing fab with a level of support in the way of engineering, product, and pricing that simply cannot be matched by the Original Equipment Manufacturer.

**CO2 & Steam  
Cleaning**



[www.vatran.com](http://www.vatran.com)

Va-Tran Systems manufactures precision cleaning solutions for the semiconductor, fiber optic, medical, optics and other high technology industries. Carbon Dioxide (CO<sub>2</sub>) cleaners, purifiers, booster systems & reservoirs are just a few of the products. Let us determine which system best fits your requirements.

**Substrate  
Thickness**



[www.sigma9600.com](http://www.sigma9600.com)

MicroSense (formerly known as SigmaTech) non-contact thickness measurement systems use proprietary APBP probe technology. We provide Thickness, Bow, Warp, and Flatness measurement of any substrate material. Capacitance and optical probes are also available.

**Ellipsometry  
(BWE) based  
Film Analysis**



[www.film-sense.com](http://www.film-sense.com)

By sampling discrete bands across the visible spectrum, the Film Sense FS-1™ Banded Wavelength Ellipsometer (BWE™) realizes many of the benefits of spectroscopic ellipsometry without all the cost and complication. The film thickness and index of refraction of most transparent thin films can be accurately determined with a simple 1 second measurement. Excellent thickness precision, better than 0.01 nm for many samples (for a 1 second acquisition), even for sub-monolayer film thicknesses.

**Microscope  
Inspection**



Former products include the Cassette Loading “Ultrastation” for practically all microscopes. Irvine Optical has been closed down for many years, but TCG, the local sales rep for over ten years, still carries service parts and pre-owned systems available for all size wafer-handling applications.

**Tapers  
and  
Detapers**



**GTI Technologies** is a leader in innovative products for the semiconductor, compound semiconductor, solar, and materials markets and has worked closely with the **Takatori Corporation** for nearly 30 years. Their partnership has brought to market a broad range of machinery for the manufacturing of semiconductors with a focus on automated tape/detape systems to support wafer backgrinding, dicing processes, applying dry film and mechanical film lift-off processes.

Visit our Website at: [www.tcg-rep.com](http://www.tcg-rep.com)

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