

AST COMPUTERIZED AUTOCOLLIMATOR SYSTEMS

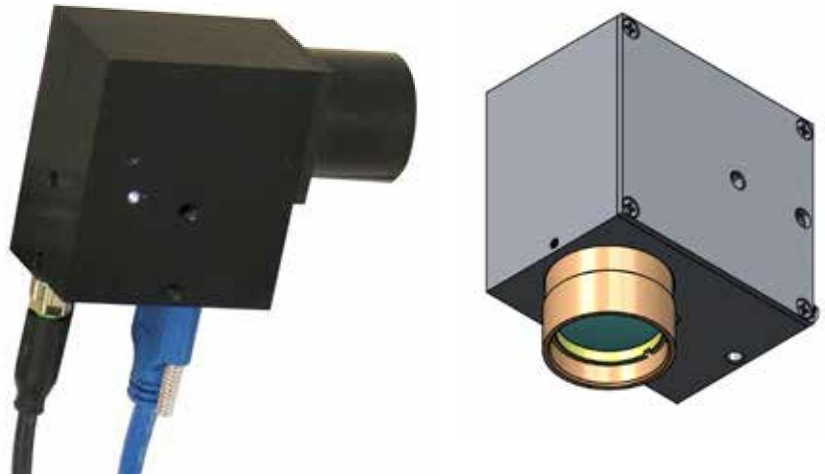
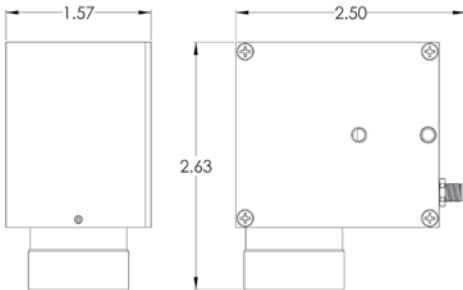
Advanced Spectral Technology's Computerized Autocollimator Systems offer users a highly flexible angle measurement system with features not available from other attitude measurement systems.

The user friendly operating software utilizes easy to identify software buttons to select desired system functions.

Software setups allow measurement configuration parameters to be saved and easily recalled.

On-screen Pass/Fail measurement results can be displayed when the option is selected. Pass/Fail measurement tolerances are programmable.

Report files store data in ASCII format for export into Excel or other programs.



SYSTEM FEATURES

- Engineering/Operator Modes to lock out operators from the system and calibration settings.
- Multiple Spot measurement – up to 4 measurements.
- LED illumination – minimizes the associated maintenance required and intensity variations often encountered with fiber optic light sources.
- Measurement susceptibility to environmental illumination sources has been minimized with proprietary techniques.
- Decreased diffraction around the aperture that produces the spot, thus increased repeatability and reduced noise (flair).
- Specific color LED's can be chosen (typically 530nm, Green).
- Brightness Level - Recipe Controlled
- Improved signal to noise ratio.
- Custom spot sizes can be made available upon request.

Digital camera with USB3.0 interface, which:

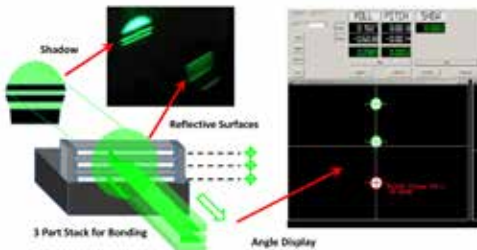
- Allows for higher resolution and larger FOV
- Allows the use of a laptop, tablet, mini PC, tower, all-in one system
- Up to 4 collimators per PC
- High frame rates for data streaming in, minimizing latency

Powerful software includes:

- Windows 7 or 10 32/64 bit compatible
- Touch Screen user interface
- Multiple modes with lock-outs for engineer/operator
- Custom application support available

Additional:

- Practical and unobtrusive form factor
- Angular measurement range minimum ± 2.5 Degrees
- Stable active measurement equal to or better than 0.001 degrees
- Touch screen or mouse click to pick active spot for single spot measurement in a multi-spot environment





Autocollimator

**Compact & Powerful
Precision Angle
Measurement System**

A highly flexible system packed with features not available from other attitude measurement systems.



AST-200

**Advanced Defect
Inspection & Metrology
System**

Designed for applications where high-speed defect detection and precision measurements are required.



AST-M200C

**Mid Wave Infrared
Inspection System**

Mid Wave Infrared platform designed for defect detection, analysis, and thermography on wafers, die, devices, and more.



AST-230M

**Ergonomic Metrology
Workstation**

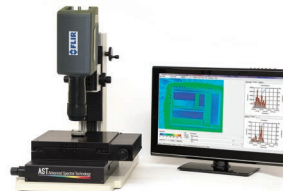
An easy to use metrology workstation with a range of recipe controlled illuminations.



AST-S200T

**Short Wave Infrared
Microscope
Bench Top System**

Designed for materials transparent to the Near Infrared (NIR) / Shortwave Infrared (SWIR) wavelengths.



AST-M150T

**Mid Wave Infrared
Microscope for Defect
Detection and Analysis**

Mid Wave Infrared Bench Top Microscope for defect detection, analysis, and thermography.



Setna Ontos7

**Atmospheric Plasma for
Surface Preparation**



Ontos7 provides a rapid atmospheric process which reduces surface contaminates.



AST Services:

- Service all brands and styles, Preventative and repair
- Calibrate most instruments and systems
- Training your staff on proper operation and techniques
- Upgrading for Digital Imaging, Analysis, Illumination Techniques, etc.
- Application Specialists, Let us help you figure out how to do what you need for your process, procedure, Metrology and/or inspection requirements!