

Produced and Distributed by AST, Inc.

AST-M150T

The **AST-M150T** is a new Mid Wave Infrared Bench Top Microscope for defect detection and analysis. It is a universal configuration for a multitude of applications. Powerful software is included.



Features & Specifications:

- Meant as an aid to find defects either visually or thermographically with the MWIR band (3-5 microns)
- Thermo graphic microscope to find thermally identifiable defects
- Applications for Aerospace, medical device, semiconductor and forensic; materials and processes development and analysis
- Magnifications from Macro to 1x, 2.5x, 4x and 5x
- Precision 150mm travel manual coarse and fine precision stage for accurate navigation and metrology
- Stage has 6mm cross-roller, lead-screw/stepper motor construction and can accommodate heavy loads (up to approximately 25 kilos)
- Precision Z axis 250mm travel manual column for sample and tooling compatibility
- Thermal detection to 20 mK
- Spatial resolution below 10 microns 640 x 512, 20 micron pixel
- InSb FPA on a closed cycle dewar (no LN2 required)
- Turn key system
- System includes various image analysis and enhancement features
- System includes image stitching for large sample, high resolution work
- Options include:
 - Motorized (& CNC) X & Y Axis
 - Motorized (& CNC) Z Axis
 - 0.1 or 0.5 μm Linear Encoders for X, Y & Z Axis
 - Laptop or Industrial Computer Interface
 - 200mm, 300mm and Custom Stages
 - Automated and Custom Systems
 - Wafer Loaders
 - Illumination Packages

Another high quality product from

AST Advanced Spectral Technology

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For more information, please contact Tom Persico at AST, (805) 527-7657.

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