

Specifications

Stage

- ◆ Inspectable Area: 120mm x 100mm x 12mm
- ◆ Resolution: 2 μ m
- ◆ Unidirectional Repeatability: 3 μ m typical, 10 μ m maximum
- ◆ Bidirectional Repeatability: 4 μ m for X-axis, 6 μ m typical for point to point motion

Optical Microscope

A computer-controlled illumination for easier optical focusing and zooming
410-1845 magnification range corresponding field of view of 180-810 μ m
Video image capture capability
1.5 μ m resolution

Scanner

- ◆ Travel (Approx. scan size): X-axis 90 μ m Y-axis 90 μ m Z-axis 6 μ m
- ◆ Electroic Resolution: 16 bit (all axis)
- ◆ Accuracy: <1 % Typ., 2% max of selected scan size

Scan Modes

Contact Mode
Tapping Mode
Phasing Imaging
Scanning Tunneling Microscopy (STM)
Lateral Force Mode (LFM)
Force Imaging
Interleave Scanning and Lift Mode
Magnetic Force Imaging
Electric Force Imaging
Scanning Thermal Microscopy (SThM)
Tunneling Atomic Force Microscopy (TUNA)