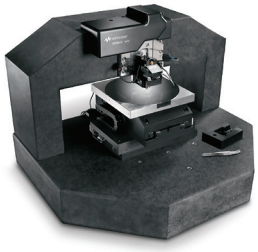
Molecular Imaging

AFM/SPM Accessories Catalog

9500, 7500, 7500ILM, 5600LS, 5500



Molecular Imaging

Molecular Imaging AFM/SPM Instruments

9500 AFM (N9417S/N9613A)

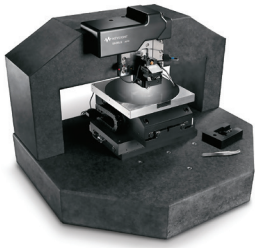
The 9500 AFM seamlessly integrates revolutionary new NanoNavigator software, a new high-bandwidth digital controller, and a state-of-the-art mechanical design to provide unrivaled scan rates and truly astonishing ease of use. In addition to completely redefining the user experience for atomic force microscopes, this intelligently conceived system delivers the superior performance and flexible functionality. NanoNavigator supports new Quick Scan technology, which enables AFM scan speeds of up to 2 sec/frame (200 x 200 pixels), and Quick Sense which enables the mapping of nanomechanical properties. You can now image topography, stiffness and adhesion of a sample simultaneously in real time. It offers Auto Drive which sets most scanning parameters in seconds for ease of use.

7500 AFM (N9417S)

The Molecular Imaging 7500 AFM/SPM establishes new performance, versatility, and ease-of-use benchmarks for nanoscale measurement, characterization, and manipulation. The
90 µm AFM closed scanner achieves outstanding low noise performance, enabling atomic-resolution imaging. It offers excellent leading-edge environmental and temperature control, and an wide- range of electrochemistry capabilities. The 7500 is ideal for materials science, life science, polymer science, electrochemistry, electrical characterization, and nanolithography applications.

7500ILM AFM/SPM (N9417S/N9462B)

Molecular Imaging's 7500 inverted light microscope (ILM) system unites atomic force microscope (AFM) with an inverted light microscope. The Molecular Imaging ILM offers unparalleled
performance and ease of use for imaging in fluids. It extends AFM utility in order to encompass studies of single molecules, polymers, cell membranes, whole cells, and much more. Atomic force and optical (or fluorescence) microscopy data can be obtained simultaneously with the Molecular Imaging ILM.



5600 LS AFM/SPM (N9480S)

The Molecular Imaging 5600 LS allows high-resolution imaging of both large samples (in air) and small samples (in air, or in liquid under temperature control) with a 9 µm scanner. The
5600 LS offers the largest fully addressable and programmable stage on the market, 200 mm x 200 mm, as well as a special stage adapter that allows the use of a sample plate to image small samples in liquid. New 300 mm wafer and multi-sample 2-inch-wafer stages are available. The 5600 LS is compatible with SMM mode.

5500 AFM/SPM (N9410S)

The Molecular Imaging 5500 is a powerful multiple-user research system for AFM/SPM. In
addition to atomic-scale resolution, true modularity enables you to add capability-enhancing options as the need arises. The system's intelligent design permits the simple integration of numerous imaging modes and easy-to-use, application-specific sample-handling plates. Our balanced-pendulum, top-down multipurpose scanners come in a range of sizes, all offering outstanding linearity and accuracy.

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Scanners

Molecular Imaging offers a broad array of high-precision scanners — with scan ranges from 1 micron to
90 microns. Our utilization of top-down scanning protects electronics and piezo elements from damage caused by liquid or harsh imaging environments

Multipurpose Scanners

N9521A/B **90 µm Scanner** N9520A/B **9 µm Scanner** N9524A/B **90 µm Closed Loop Scanner** 5600 5500

Molecular Imaging's multipurpose scanners deliver unsurpassed performance, versatility , and
ease of use for atomic force microscopy. They are ideal for imaging in fluid or air and under controlled temperature and environmental conditions. Our multipurpose scanners are available in two scan ranges: a large scanner that can scan areas up to 90 µm x 90 µm and a small scanner that offers atomic resolution up to 9 µm x 9 µm. Open-loop scanners, Z closed-loop scanners, and XYZ closed-loop scanners are available.

Metrology Scanner

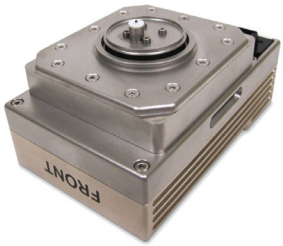
N9513A 9500 7500

The 90 µm closed scanner achieves low noise performance, enabling atomic-resolution imaging. Stable AFM imaging is combined with exceptionally flat, easily reproducible displacement over the entire scan range to deliver high resolution and very low distortion. Molecular Imaging's patented top-down tip scanner technology is ideal for imaging in fluids and in air as well as under controlled temperature and environmental conditions. Open access to the scanner and easy alignment of the optics simplify use of the 7500.

STM Metrology Scanner

N9504A 9500 7500

Scanning tunneling microscopy (STM) is a scanning probe microscopy (SPM) imaging technique that takes advantage of the extreme distance sensitivity of the tunneling current between two conducting electrodes. By measuring the tunnel-current variations as a probe is scanned over a sample's surface, STM is able to deliver the highest resolution SPM images. The STM scanner is designed to deliver outstanding results on a variety of conducting materials. This low-current and ultra-low current STM scanner provides stable imaging at pico-ampere and sub-pico-ampere currents to resolve individual atoms and molecules.



STM 8 µm Scanner

N9503A 5600 5500

Scanning tunneling microscopy (STM) scanners take advantage of the extreme distance sensitivity of the tunneling current between two conducting electrodes. By measuring the tunnel-current variations as a probe is scanned over a sample's surface, STM is able to deliver the highest-resolution SPM images. Molecular Imaging's STM 8 µm scanner delivers
excellent results on a variety of conducting materials.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Scanners continued

STM 1 µm Scanner

N9501A

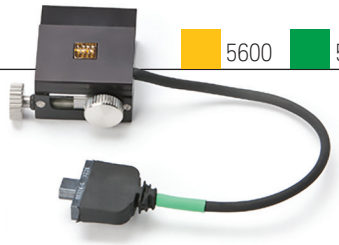
5500

For the ultimate in high-resolution imaging performance, Molecular Imaging's STM 1 µ m scanner offers the precision of a single-micron scan range. It provides stable imaging at pico-
ampere and sub-pico-ampere currents to resolve individual atoms and molecules.

AFM/LFM Detector

N9702A

5600 5500



Designed specifically for use with Molecular Imaging multipurpose scanners, this detector
accurately records the bending of the AFM/LFM system's cantilever so as to render images of a sample's surface properties with superb resolution and fidelity.

AFM/LFM Detector and Standard Nose Cone

N9741A

5600 5500

This detector offers optimized recording capabilities and has been specially engineered for use with our multipurpose scanners. An easy-to-load nose cone that enables the performance of contact mode AFM and lateral force microscopy (LFM), as well as our patented MAC Mode imaging, is included.

STM Pre-Amp Modules

N9551A **Multipurpose STM Scanner Pre-amp 1 nA/V**
N9552A **Multipurpose STM Scanner Pre-amp 10 nA/V**
N9554A **Multipurpose Scanner Log Scale**
N9551B **Metrology STM Scanner Pre-amp 1 nA/V for 7500 & 9500**
N9552B **Metrology STM Scanner Pre-amp 10 nA/V for 7500 & 9500**
N9554B **Metrology Scanner Log Scale for 7500 & 9500**

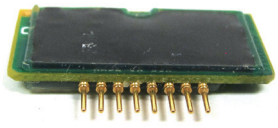
9500 7500 5600 5500

These STM scanner preamplifier modules from Molecular Imaging each providing electrical conductance as to afford system users the level of sensitivity required for their
specific applications.

Pre-Amp Modules

N9555A **Pre-amp 0.1 nA/V**
N9555B **Pre-amp 1 nA/V**
N9555C **Pre-amp 10 nA/V**
N9555D **Pre-amp 100 nA/V**

9500 7500



These pre-amplifier modules for the 7500 and 9500 metrology scanner are used to provide electrical conductance for CSAFM imaging and the STM nose cone.

Scanner Block

N9748-60001

5600 5500

Front: Closed Loop Back: M/P Scanner

To enhance AFM/SPM system versatility, convenience, and ease of use, the front of this robust scanner block accommodates an Molecular Imaging closed-loop scanner while the block's back accepts an Molecular Imaging multipurpose scanner.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Nose Cones

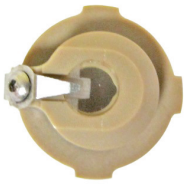
Molecular Imaging scanners' interchangeable, easy-to-load nose cones make switching imaging modes quick and convenient. They have low chemical reactivity and can be used in a wide range of
solvents. Customized nose cones are available upon request.

Standard Multipurpose Nose Cone

N9545A

9500 7500

These easy-to-load nose cones are made from PEEK polymers, have low chemical reactivity, and can be utilized in a wide range of solvents. The scanner's standard nose cone enables the use of contact mode, AAC mode, current-sensing AFM (CS-AFM), EFM, KFM, LFM MFM, and MAC Mode in fluids and in air.



STM Nose Cone

N9545B

9500 7500

Easy-to-load STM nose cones enables STM scanning. It can be interchanged quickly and conveniently. The nose cone is made from PEEK polymers, have low chemical reactivity, and can be utilized in a variety of solvents.

Top MAC Nose Cone

N9545D

9500 7500

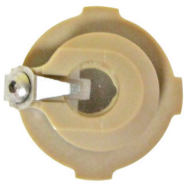
The Top MAC nose cone is used Top MAC Mode imaging in air or liquid. It is made from PEEK polymer.

DLFM Nose Cone

N9545E

9500 7500

This nose cone is used to perform dynamic lateral force modulation (DLFM) atomic force microscopy with the Molecular Imaging metrology scanner. It is made from PEEK polymer.



Stainless Steel Nose Cone

N9545H

7500 ILM

This stainless steel nose cone for the metrology scanner was especially designed for use when doing fluorescence microscopy on the 7500ILM.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Nose Cones continued

Nose Cone Puller for Metrology Scanner

N9549B

9500 7500

This tool enables the easy removal of interchangeable nose cone assemblies from our metrology scanner, facilitating quick and convenient switching between AFM imaging modes.

Standard AFM Nose Cone

N9533A

5600 5500

Molecular Imaging's standard nose cone is used to perform contact mode AFM/SPM and LFM,
as well as our patented MAC Mode imaging. Designed for compatibility with Molecular Imaging
multipurpose scanners, it holds the probe at 9° from horizontal. This nose cone is made from PEEK polymer.

AAC Nose Cone (9°)

N9534A

5600 5500

This nose cone performs acoustic AC mode (AAC mode) AFM/SPM. Compatible with Molecular Imaging multipurpose scanners, it is a 9° nose cone made from PEEK polymer.

AAC Nose Cone (12°)

N9534B

5600 5500

This 12° nose cone is used to perform AAC mode AFM/SPM. Made from PPS polymer, it is compatible with Molecular Imaging multipurpose scanners.

CS-AFM Nose Cones

N9540A N9541A N9542A

5600 5500

Molecular Imaging's CS-AFM nose cones have been designed for use with our multipurpose
scanners to enable current-sensing atomic force microscopy. For optimal application performance, three CS-AFM/SPM nose cones are offered: 0.1 nA/V, 1 nA/V, and 10 nA/V.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Nose Cones continued

Top MAC Nose Cones

N9536A **9°** N9537B **8°**

5600 5500

These nose cones are used to perform Top MAC Mode imaging with our multipurpose scanners. A 9° nose cone is offered for Top MAC Mode measurements in air; an 8° nose cone is offered for Top MAC Mode measurements in fluid. Both nose cones are made from PEEK polymer.

STM Nose Cones

N9530A N9531A N9532A

5600 5500

Molecular Imaging's STM nose cones have been designed for use with our multipurpose scanners to enable scanning tunneling microscopy. For optimal application performance, three
STM nose cones are offered: 0.1 nA/V, 1 nA/V, and 10 nA/V.

DLFM Nose Cone

N9535A

5600 5500

This 9° nose cone is used to perform dynamic lateral force modulation (DLFM) atomic force microscopy with Molecular Imaging multipurpose scanners. It is made from PEEK polymer.

Removal Tool

N9549A

5600 5500

This specialized tool enables the easy removal of interchangeable nose cone assemblies from our multipurpose scanners, facilitating quick and convenient switching between AFM imaging modes.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Sample Plates

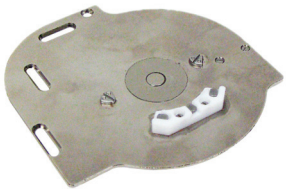
Molecular Imaging offers a selection of sample plates. These versatile plates help optimize imaging results, are simple and convenient to use, and can be cleaned quickly without undue effort. Their unique design affords superior stability and easy sample loading.

Standard Sample Plate

N9716B

9500 7500 5600 5500

The unique design of the standard sample plate delivers superior sample stability. The plates enables simple sample mounting for ease of use. Magnetic suspension provides easy loading.



MAC Mode Sample Plate

N9717B

9500 7500 5600 5500

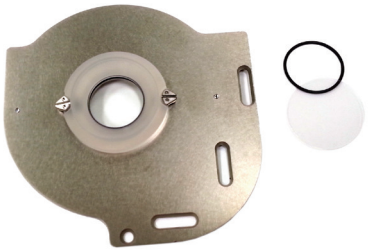
The MAC sample plate provides the ability to do bottom MAC lever excitation when combined with the appropriate controller option box.

Cover Glass Sample Plate

N9718B

9500 7500 ILM

The Cover Glass sample plate is useful for simple ILM operation with the 7500 combined with the ILM Quickslide adaptor for use on an inverted optical microscope. Uses standard dimension coverslips.



9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Sample Plates continued

Petri Dish Sample Plate

N9719B

7500 ILM

The 35 mm Petri dish sample plate is designed for ease of use with the 7500 ILM.

Temperature Sample Plates

N9640B **–5 to 40 °C**
N9641B **MAC –5 to 40 °C**
N9644B **Ambient to 80 °C**
N9647B **Ambient to 250 °C**
N9648B **MAC ambient to 110 °C**

9500 7500 5600 5500

The controlled temperature sample plates are available in a variety or temperature ranges created for your demanding research needs. Each is made with open sample access and is easy and convenient to use.

Cooling Sample Plates (-30 °C)

N9643B **–30°C**

9500 7500 5600 5500

This controlled temperature sample plate was designed for cooling down to –30 °C.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Environmental Options

Environmental Isolation Chamber

N9441A

5500

Molecular Imaging's environmental isolation chamber (EIC) has been specifically designed to
meet the numerous requirements of intricate, demanding AFM/SPM research. The glass EIC mounts directly to our atomic force microscopes and provides a sealed sample compartment that is completely isolated from the rest of the system. Eight inlet/outlet ports permit the flow of many different gases into or out of the sample area. Molecular Imaging
scanners reside outside the EIC, so they are protected from contamination, harsh gases, solvents, caustic liquids, and other damaging experimental conditions. With the EIC, humidity levels can be controlled, oxygen levels monitored and controlled, and reactive gases easily introduced into and purged from the sample chamber.

Noise and Vibration Isolation Chamber

N9445A

9500 7500 5500

Molecular Imaging's table-top noise and vibration isolation chamber (Pico IC) isolates the atomic
force microscope from vibration, air turbulence, and acoustic noise, all of which adversely affect imaging. This chamber provides acoustic isolation for the instrument by utilizing multiple layers of sound-damping materials. The vibration isolation system damps incoming vibrations via the use of stiff compliant bungees and a suspended heavy granite block. It also helps control temperature variability to an extent. The chamber is designed to be accessed from either the left or right side, as both the door and cable ports are reversible. It is compact, easy to use, and permits atomic-resolution imaging in noisy environments.

Acoustic and Vibration Isolation Chamber

(no part number)

5600

The acoustic chamber with 10 plus layers of sound damping materials provides up to 40 dB of acoustic isolation and ensures high and low frequency isolation. The active vibration isolation continuously senses vibrations and through an inertial feedback loop signals internal actuators to react to disturbing vibrations with 5–20 sec msec response. The system has virtually no low frequency resonance so it is capable of isolating under the most extreme vibration environments. The front cover lifts easily and the front window allows viewing for quick access and adjustment.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

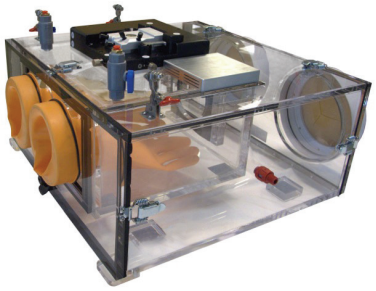
Environmental Options continued

Double Glove Box

N9446B

9500 7500 5500

A glove box can be attached directly to the microscope body, offering even greater environmental control. The clear acrylic box with a stainless steel adapter ring has eight threaded ports for gas inlet/outlet. Air- or moisture-sensitive samples can be precisely loaded on the microscope without ever exposing them to the external atmosphere and the ante-chamber allows the introduction of samples into the inert environment. Since the sample, piezo, and electronic parts are totally isolated from the imaging environment, it is possible to perform experiments under very reactive conditions without damaging the system or the sample.



Temperature Controllers

N9654A **0.1 K accuracy** N9655A **0.025 K accuracy**

9500 7500 5600 5500

Molecular Imaging's temperature controller uses a patented thermal insulation and compensation design to deliver precise temperature control from –30 °C to 250 °C, along with the
lowest thermal drift available for high-resolution SPM. It is fully compatible with all imaging modes in air, liquid, and controlled environments and allows imaging during temperature changes. The temperature controller's design isolates the sample plate from the rest of the SPM system; an insulated ceramic fixture protects the surrounding apparatus from the effects of heating or cooling, thus providing the most precise, stable temperature control available for SPM.

Current Booster

N9656A

9500 7500 5600 5500

This current booster is required for cooling select Molecular Imaging sample plates down to temperatures as low as –30 °C.

Temperature Sample Plate Connection Kit

N9657A

9500 7500 5600 5500

Connection kit for temperature samples plates includes a set of cables that connect to temperature controller, booster and stage.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Electronics

AC Mode Controllers for AAC III

N9624B-055

7500 5600 5500

The Acoustic AC (AAC) Mode controller is designed so that the movement of cantilever holder is at or near its resonant frequency , typically 100 to 400 kHz. Interaction between the probe and the sample reduces the oscillation amplitude. Built in Q-control and three user-configurable lock-in amplifiers afford accuracy and faster time to results. Two expansion slots are also provided. A wider operating frequency range (up to 6 MHz) enables higher harmonic imaging, yielding images with contrast beyond that seen using fundamental amplitude and phase signals. It allows single-pass KFM/EFM simultaneously imaging topography, amplitude, and surface potential.

MAC Mode III Controllers

N9621B-001 **Bottom MAC (Standard)** N9621B-002 **Top MAC**

7500 5600 5500

Built on proven, patented MAC Mode technology, Molecular Imaging's MAC Mode III is very useful in areas requiring high resolution and force sensitivity. Built in Q-control and three
user-configurable lock-in amplifiers afford accuracy and faster time to results. Two expansion slots are also provided. A wider operating frequency range (up to 6MHz) enables higher harmonic imaging, yielding images with contrast beyond that seen using fundamental amplitude and phase signals. MAC Mode III allows single-pass KFM/EFM imaging; its simultaneous topography, amplitude, and surface potential measurements are facilitated by a servo-on-height cantilever approach unsusceptible to scanner drift.

Aux Signal Access Box

N9454A

7500 5600 5500

Signal access box that enables single pass KFM and EFM measurements.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

SMM Options

Capacitance Standard

N9856A-010

7500 5600 5500

Molecular Imaging recently issued the first commercially available capacitance calibration
standard for an atomic force microscope. These calibration specifications for capacitance measurements allow quantitative assessment of material and device properties via SMM.

SMM Nose Cone for 5600/5500

N9546B

5600 5500

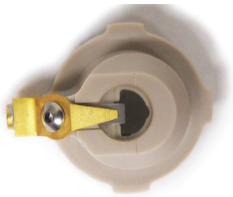
Second generation SMM nose cone is compatible with the 5000 series AFM/SPM. This enables the unique benefits of environment experiments on the 5500. The set-up of the scanner and nose cone has been simplified and the probe exchange has been greatly improved.

SMM Nose Cone for 7500

N9545C

7500

This new SMM nose cone is compatible with the 7500 AFM/SPM. This enables the unique benefits of SMM on the 7500. The set-up of the scanner and nose cone and probe exchange has been simplified.

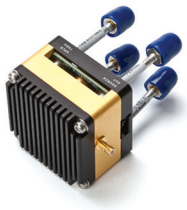


Controller Module

N9632A

7500 5600 5500

Dopant Profile Measurement Module (DPMM) is used for SMM dopant profiling in dC/dV mode. It optimizes dC/dV imaging of the calibration standard.



N-Type and P-Type Dopant Calibration Standard

N9856A-020 **N-Type** N9856A-021 **P-Type**

7500 5600 5500

Calibration standards for N-Type and P-Type for SMM imaging.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Electrochemistry Options

3-Pin Electrode Cable

N9760A

9500 7500 5600 5500

This cable connects the sample plate to the Molecular Imaging microscope for STM, EC, and CS-AFM/SPM applications.

EC Electrodes

N9680A

9500 7500 5600 5500

These EC electrodes include a Pt counter, Ag reference, and pogo contact.

Test/Dummy Cells for EC

N9681A

9500 7500 5600 5500

Resistive dummy cells for testing electrochemistry can be ordered from Molecular Imaging in sets of five (5).

Micro Electrode Reference and Salt Bridge

N9682A

9500 7500 5600 5500

Kit includes micro-reference electrode (Ag/Ag/Cl in 3 M KCl) plus a salt bridge.

Micro Electrode Reference

N9683A

9500 7500 5600 5500

Kit includes micro-reference electrode (Ag/Ag/Cl in 3 M KCl).

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Electrochemistry Options continued

Salt Bridge for Electrochemistry

N9684A

9500 7500 5500

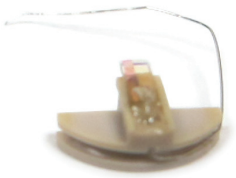
This sample plate has been especially designed as a salt bridge for electrochemistry experiments.

SECM SmartCart for 5600/5500

N9685A

5600 5500

Molecular Imaging's new SECM mode is the novel EC SmartCart, an easy-to-handle cartridge that combines a nanoelectrode with a pre-mounted AFM tip. EC SmartCart probes come pre-tested and ready-to-scan for AFM-SECM applications.



SECM SmartCart for 7500

N9685B

9500 7500

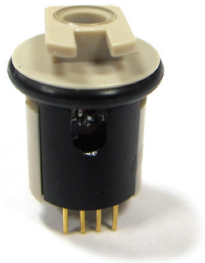
At the technological core of Molecular Imaging's new SECM mode is the novel EC SmartCart.
It is an easy-to-handle cartridge that combines a nanoelectrode with a pre-mounted AFM tip. EC SmartCart probes come pre-tested and ready-to-scan for AFM-SECM applications.

SECM Nose Cones for 5600/5500

N9559A/B **1 nA/V & 10 nA/V**

5600 5500

The scanner nose cone is a seamlessly integrated technology package that enables scientists to perform scanning electrochemical microscopy (SECM) on conductive and insulating samples with a state-of-the-art atomic force microscope from Molecular Imaging
Technologies. Two nose cones are offered 1 nA/V and 10 nA/V

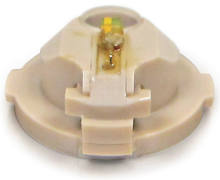


SECM Nose Cone for 7500

N9545G

9500 7500

The SECM scanner nose cone seamlessly integrates an AFM technology package that enables scientists to perform scanning electrochemical microscopy (SECM) on conductive and insulating samples with a state-of-the-art atomic force microscope from Molecular Imaging Technologies. This new Molecular Imaging mode of AFM operation has been
designed to provide ultimate performance as well as supreme ease of use.



9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Accessories

Optics for 9500 & 7500

N9451B

9500 7500

The system's video optics include a color camera and can resolve details to less than 1.7 µm. Open access to the scanner and easy alignment of the optics help simplify use of the 9500 and 7500.

Optics for 5500

N9451A

5500

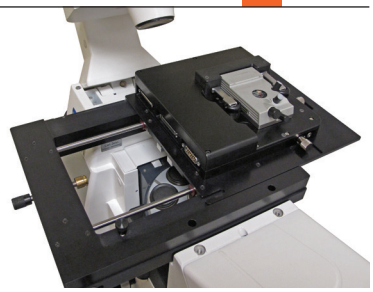
The open-top design of Molecular Imaging multipurpose scanners allows high-resolution video
microscopy straight down the optical axis of our 5500 atomic force microscopes. Together with co-axial illumination and a micrometer-driven translation stage, this optical microscope makes it easy to precisely position a tip over a specific scanning area of interest quickly and easily. Variable zoom provides a wide range of field-of-view. Multiple video options are available for high-quality image resolution.

Quick Slide for 7500ILM

N9462B

7500 ILM

Molecular Imaging's Quick Slide sample-loading mechanism and a flexible sample-handling plate that makes sample preparation easy. The AFM is mounted on the Quick Slide assembly, allowing the user to change samples and/or solutions without affecting the alignment
of the AFM or the optical microscope.

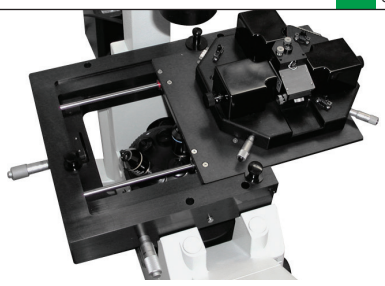


Quick Slide for 5500

N9462A

5500

Precision adaptor stage for Zeiss, Olympus and Nikon Inverted Light Microscopes that hold the 5500 AFM/SPM scanning head for studies on light microscopes.



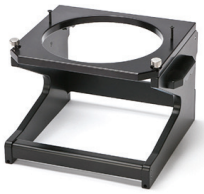
9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Accessories continued

Flip Stand

N9440A — 5500

Sturdy mounting stand for the 5500 microscope that provides a rigid platform for imaging, and the convenience of tilting the AFM/SPM up for sample mounting and removal.



Flame Annealing Kit

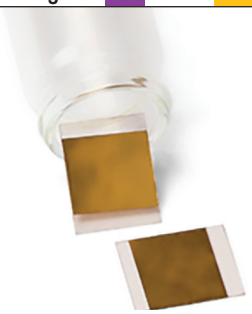
N9757A — 5600 5500

This flame annealing kit includes a quartz plate, a quartz chip, and a quartz tube nozzle to allow users to remove contamination from their substrates.

Gold Substrates

N9805A/B **1.0 cm x 1.1 cm coverage** N9806A/B **2.0 cm x 1.6 cm coverage** N9807A/B **2.0 cm x 2.1 cm coverage** — 7500 5600 5500

- 1.4 cm x 1.1 cm, Annealed gold-coated substrates with 1500 angstroms of Au (111) covering 1.0 cm x 1.1 cm. Quantity 2 or 5.
- 2.4 cm x 1.60 cm, Annealed gold-coated substrates with 1500 angstroms of Au (111) covering 2.0 cm x 1.6 cm. Quantity 2 or 5.
- 2.4 cm x 2.1 cm, Annealed gold-coated substrates with 1500 angstroms of Au (111) covering 2.0 cm x 2.1 cm. Quantity 2 or 5.



Fluid Cell Kit

N9721B **18 mm** N9721C **9 mm** — 9500 7500

This convenient kit consists of the fluid cell made of Kel-F and o-rings .

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM

Accessories continued

Flow-Through Cell

N9738B **18 mm** N9738C **9 mm**

9500 7500

This AFM/SPM flow-thru fluid cell made of Kel-F was designed specifically for the updated sample plates. It is easy to use and comes in two sizes 18 mm and 9 mm.

Rubber Boot

N9723A

9500 7500

The rubber boot is a ring that protects the sample from fluids or abrasive materials.

Bungee Cord Set

N9750A

9500 7500 5500

Bungee cord set with 4 cords for the Pico IC noise vibration isolation chamber.

9500 AFM 7500 AFM 7500 ILM AFM 5600 LS AFM 5500 AFM