



## Opto Edu A62.4503 Compound Scanning Optical Microscope Atomic Force For Laboratory

Our Product Introduction

for more products please visit us on cnoec.com

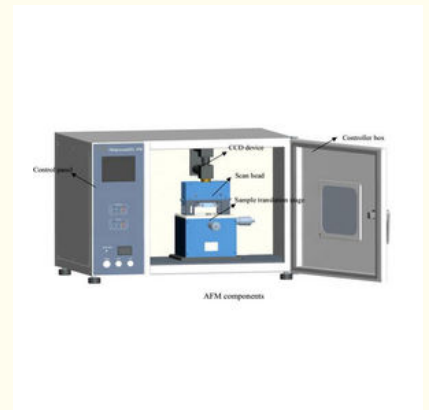
### Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A62.4503
- Minimum Order Quantity: 1 pc
- Price: FOB \$1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month

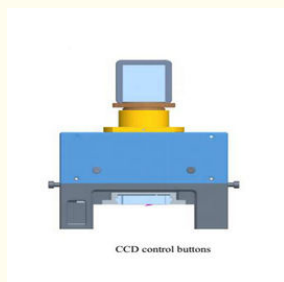


### Product Specification

- Operation Modes: Contact Mode, Tapping Mode, phase, friction, MFM, EFM
- Sample Size: Radius  $\leq 90\text{mm}$ , H  $\leq 20\text{mm}$
- Max. Scan Range: X/Y:  $50\mu\text{m}$ , Z:  $5\mu\text{m}$
- Resolution: X/Y: 0.2 Nm, Z: 0.05nm
- Scan Rate: 0.6Hz~4.34Hz
- Scanning Control: XY: 18-bit D/A, Z: 16-bit D/A
- Data Sampling: One 14-bit A/D And Double 16-bit A/D Multiple-channel Simultaneously
- Windows: USB2.0, Compatible With Windows 98/2000/XP/7/8
- Name: Laboratory Research New Atomic Force Scanning Electron Microscope
- Features: All-in-one Design, Smart Structure And Shape.
- Highlight: **compound scanning optical microscope, laboratory scanning optical microscope,**



### More Images



## Product Description

### A62.4503 New Professional Atomic Force Scanning Electron Microscope Price

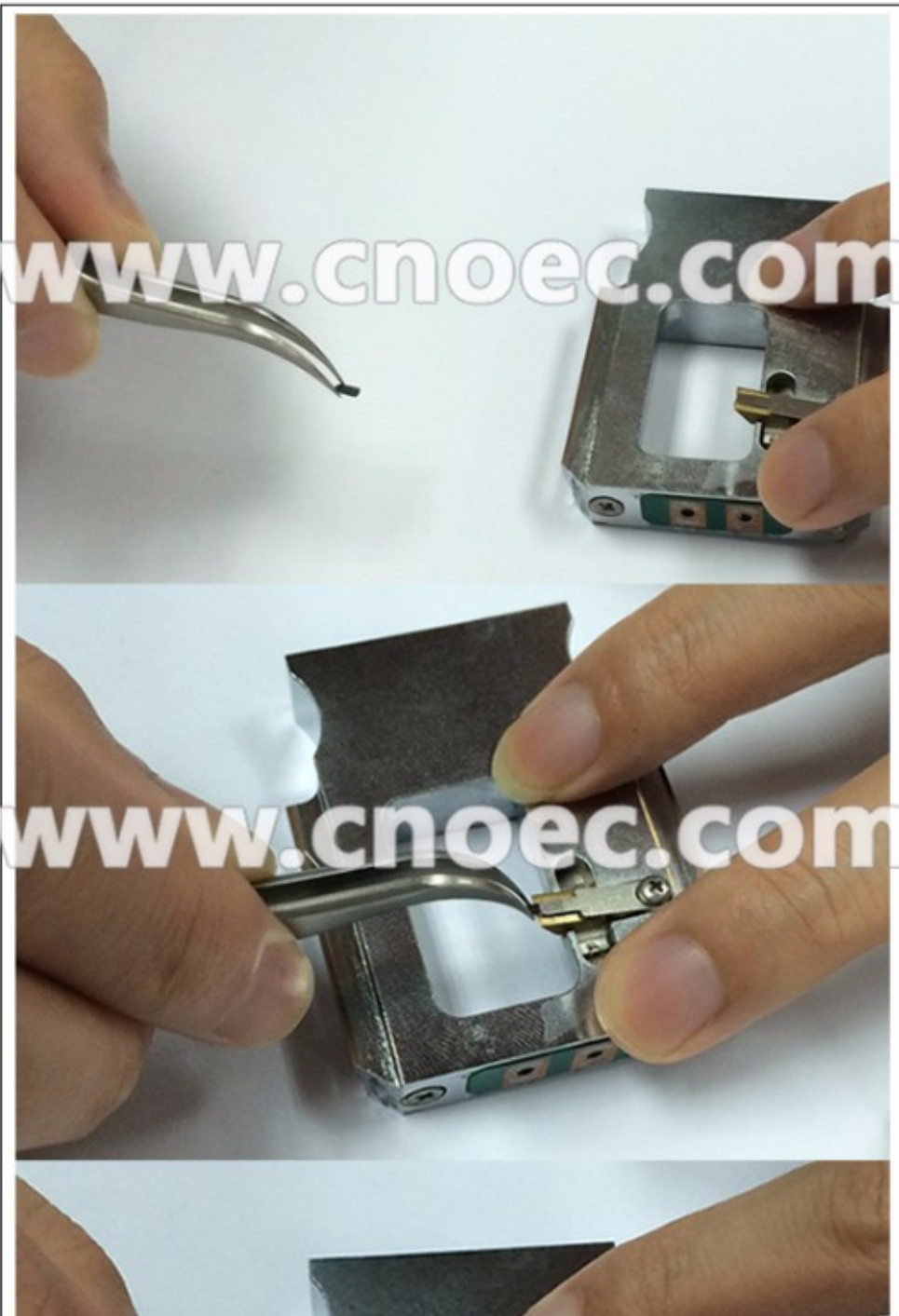
1. All-in-one design, smart structure and shape.
2. Scan head and sample stage are designed together, strong anti-vibration performance.
3. Precision laser detection and probe alignment device make laser adjustment simple and easy.
4. Adapt servomotor to drive the sample approaching tip manually or automatically, to realize precision scanning area positioning.
5. High-accuracy and large range sample transfer device allow to scan any interesting area of sample.
6. Different types of scanner meets different customer's requirements in accuracy and scan size.
7. optical observation system for tip check and sample positioning.
8. CCD observing system for real-time sample area observing and position.
9. Use servomotor to achieve CCD auto-focusing.
10. Electronic system is designed as modular and easy for maintenance and development.
11. Integrated with many working modes control electronics for further development.

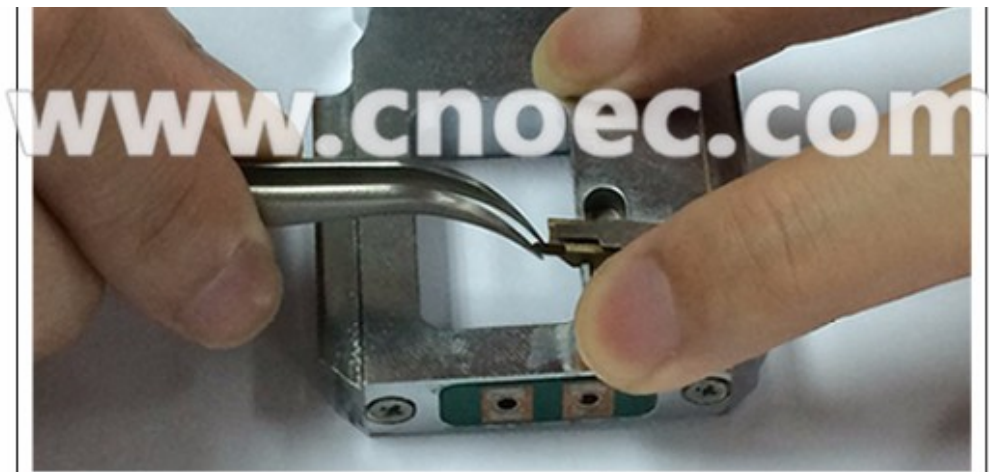
#### User-friendly software and functions

1. Multi-channels images are capture and display synchronous, observe profile map in real time.
2. Obtain and measure many curves such as F-Z, F-RMS, RMS-Z 3. Execute scan area move and cut function, choose any interesting area of sample.
4. Scan sample in random angle at beginning.
5. Adjust the laser spot detection system in real time.
6. Search the resonance frequency of tip manually or automatically.
7. Choose and set different color of scanning image in palette.
8. Support linear average and offset calibration in real time for sample title.
9. Support scanner sensitivity calibration and electronic controller auto-calibration.

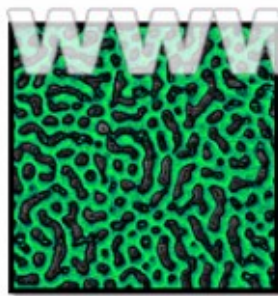
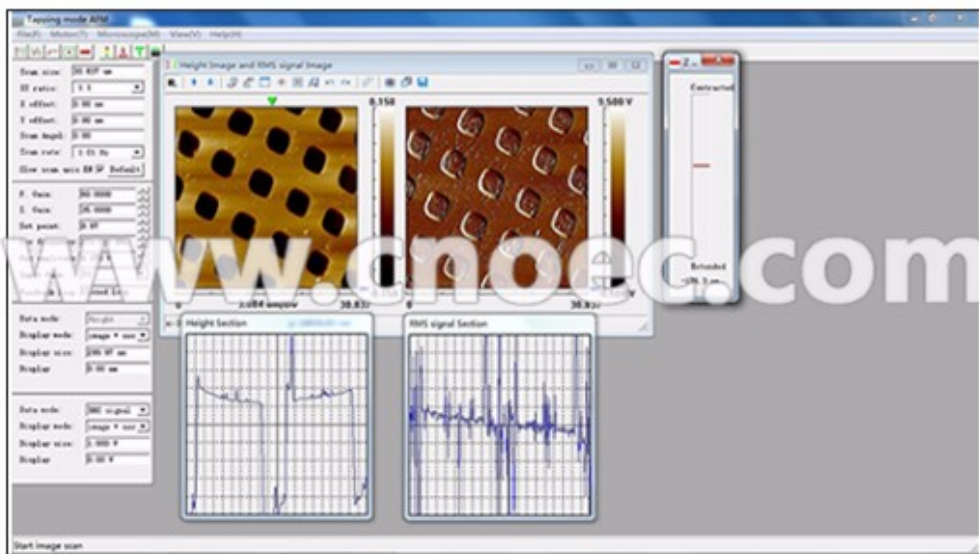
#### Product Description







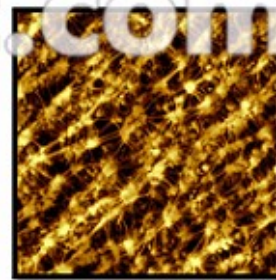
Probe Installation



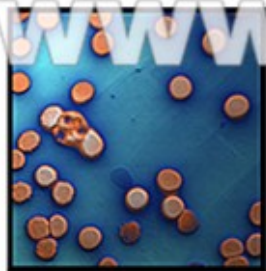
Copolymer



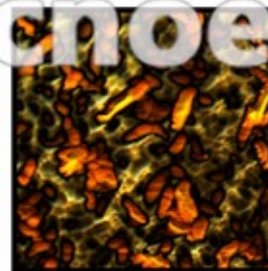
Mouse Living Body Cell



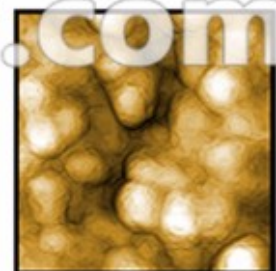
ePTFE (90 um)



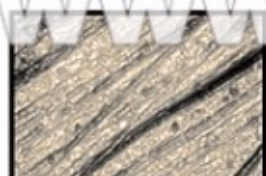
Blood Cell



Surface of Solar Cell



Milling Cutter Coating



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Aeroplane Wing  
Coating Material



Carbon Nanotubes  
On HOPG

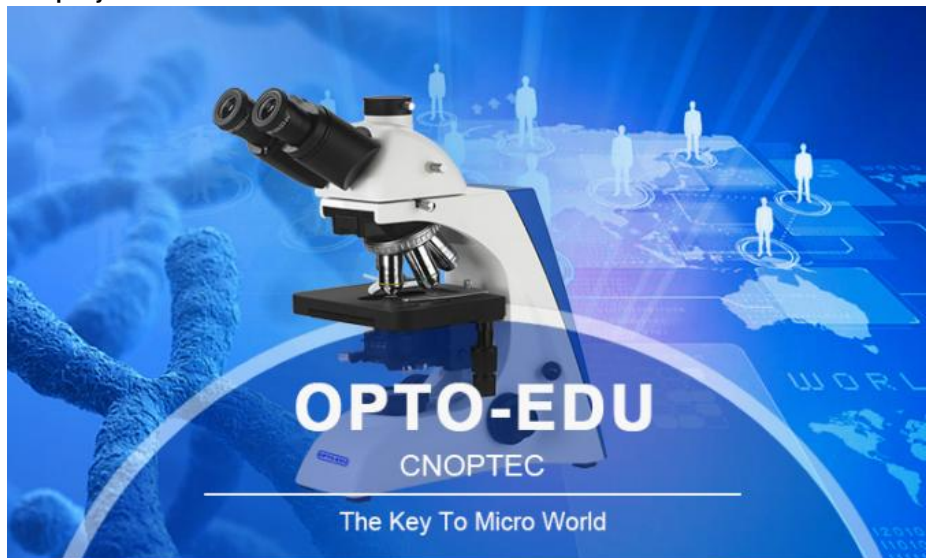


Micro Tube Deposited  
On The Surface Of The  
Graphite (2 μm)

**A62.4503 Atomic Force Microscope Specification**

Operation modes	Contact mode, Tapping mode, phase, friction, MFM, EFM	Scan angle	0~360°
Sample size	∅≤90mm, H≤20mm	Sample movement	0~20mm
Max. scan range	X/Y: 50μm, Z: 5μm	Pulse width of approaching motor	10±2ms
Resolution	X/Y: 0.2 nm, Z: 0.05nm	Magnification of CCD	Optical magnification: 10X, Resolution 1μm
Scan rate	0.6Hz~4.34Hz	Data points	256 x 256, 512 x 512
Scanning control	XY: 18-bit D/A, Z: 16-bit D/A	Feedback type	DSP digital feedback
Data sampling	One 14-bit A/D and double 16-bit A/D multiple-channel simultaneously		
		Feedback sampling rate	64.0KHz
Windows	USB2.0, Compatible with Windows 98/2000/XP/7/8		

**Company Information**



📍 OPTO-EDU is you're looking for, isn't it?



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**Our Team And Our Factory.**

OPTO-EDU, as one of the most professional manufacturer and supplier of microscope in China, our sub-brand CNOPTEC series high end biological, laboratory, polarizing, metallurgical, fluorescence microscopes, CNCOMPARISON series forensic microscope, A63 series SEM microscope, and .49 series digital camera, LCD camera are very popular in the world market.



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 Supplier's Trade Assurance Limit: US \$379,000



**Opto-Edu (Beijing) Co., Ltd.**

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