



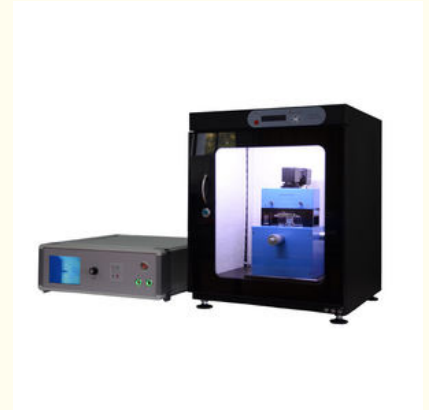
## Sem USB All In One Scanning Electron Atomic Force Microscope Opto Edu A62.4501

Our Product Introduction

for more products please visit us on cnoec.com

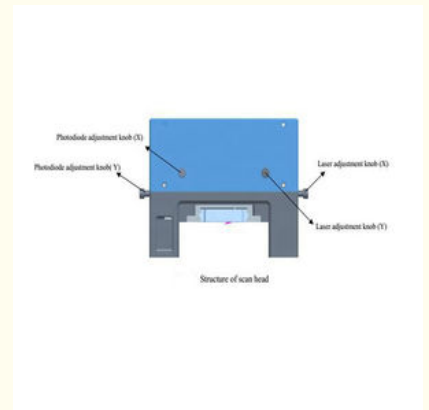
### Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A62.4501
- 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

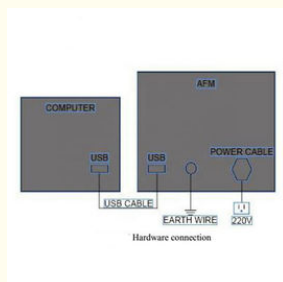


### Product Specification

- Operation Modes: Contact Mode, Friction Mode, Extended Modes Of Tapping, Phase
- Sample Size: Radius≤90mm,H≤20mm
- Max. Scan Range: X/Y: 20μm, Z: 2μm
- 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
- PC Connection: USB2.0
- Windows: Compatible With Windows 98/2000/XP/7/8
- Name: All-in-one New Scanning Electron Atomic Force
- Highlight: **sem scanning electron atomic force microscope**  
, **usb scanning electron atomic force microscope**  
, **usb sem scanning electron microscope**



### More Images



## Product Description

All In One Scanning Electron Atomic Force Microscope OPTO-EDU A62.4501

### Product Description

1. Scan head and sample stage are designed together, strong anti-vibration performance
2. Precision laser detection and probe alignment device make laser adjustment simple and easy;
3. Adapt servomotor to drive the sample approaching tip manually or automatically, to realize precision scanning area positioning.
4. High-accuracy and large range sample transfer device allow to scan any interesting area of sample ;
5. Optical observation system for tip check and sample positioning.
6. Electronic system is designed as modular and easy for maintenance and further development.
7. Adopt spring for vibration isolation, simple and good performance.

### Software

1. Two kinds of sampling pixel for choose: 256×256, 512×512;
2. Execute scan area move and cut function, choose any interesting area of sample;
3. Scan sample in random angle at beginning;
4. Adjust the laser spot detection system in real time;
5. Choose and set different color of scanning image in palette.
6. Support linear average and offset calibration in real time for sample title;
7. Support scanner sensitivity calibration and electronic controller auto-calibration;
8. Support offline analysis and process of sample image.

A62.4801 Atomic Force Microscope Specification			
Operation modes	Contact mode, friction mode, extended modes of Tapping, phase, MFM, EFM. Scan angle Random	Scan angle	Random
Sample size	∅≤90mm,H≤20mm	Sample movement	0~20mm
Max. scan range	X/Y: 20μm, Z: 2μm	Pulse width of approaching motor	10±2ms
Resolution	X/Y: 0.2 nm, Z: 0.05nm	Optical system	Magnification: 4x, resolution: 2.5 μm
Scan rate	0.6Hz~4.34Hz	Data points	256×256,512×512
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		
PC connection	USB2.0	Feedback sampling rate	64.0KHz
Windows	Compatible with Windows 98/2000/XP/7/8		



#### **Company Information**

OPTO-EDU is a unique, long-term and excellent supplier of microscopes and educational instruments from China. We focus on the international market of microscopes and education instruments. At present our customers come from more than 80 countries, such as the United States, Britain, Russia, Canada, Germany, Denmark, Poland, Sweden, the United Arab Emirates, Qatar, Saudi Arabia, Egypt, Argentina, Korea, Thailand, Brazil and so on. OPTO-EDU as our trademark is well known in the professional field, our products ranked No.1 in Alibaba.com. We have been working tirelessly for the sale of high quality optical products and educational products made in China to the world market.

## OUR WORKSHOP



## OUR ADVANTAGES



As one of the most professional and most dynamic suppliers of optical and educational products in China, we have been concentrating on this field for more than 10 years. We have created the most professional product database of microscope & educational instrument, with 5000+ products and 500+ professional suppliers in system. We can provide our customers with the most comprehensive range of products in the related field, from the primary entry products to professional-level solutions, to meet the different needs of customers in the field of scientific research, teaching, industry, agriculture and various industries.



## OUR SERVICE



Feedback Within 12 Hours



After Sale Service Assured




3 Years Warranty Time



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