4.5 - 6nm High Magnification Scanning Microscope Electron Surface Topography Eco Sem

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:
- Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:





Product Specification

• Resolution: 4.5nm@30KV(SE); 6nm@30KV(BSE) Magnification: Negative Magnification: 15x~250000x; Screen Magnification: 30x~500000x Tungsten Heated Cathode-Pre Centered • Electron Gun: Tungsten Filament Cartridge Accelerating Voltage: 0~30KV . Lens System: Three-level Electromagnetic Lens (Tapered Lens) Molybdenum Aperture Adjustable Outside • Objective Aperture: Vacuum System • Specimen Stage: Five Axes Stage

electron

- Max Specimen Diameter: 150mm
- Highlight:
- Vacuum System Five Axes Stage 150mm 6nm scanning microscope electron, high magnification scanning microscope



More Images



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Scanning electron microscopy (sem) is suitable for the observation of the surface topography of metals, ceramics, semiconductors, minerals, biology, polymers, composites and nano-scale one-dimensional, two-dimensional and threedimensional materials (secondary electron image, backscattered electron image). It can be used to analyze the point, line and surface components of microregion. It is widely used in petroleum, geology, mineral field, electronics, semiconductor field, medicine, biology field, chemical industry, polymer material field, criminal investigation of public security, agriculture, forestry and other fields.



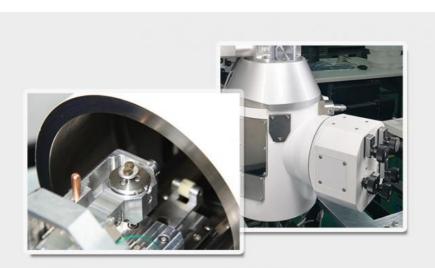
Product Description

	P	A63.7062 Eco Tungsten Filament SEM		
Resolution		4.5nm@30KV(SE); 6nm@30KV(BSE)		
Magnification		Negative Magnification: 15x~250000x; Screen Magnification: 30x~500000x		
Electron Gun		Tungsten Heated Cathode-Pre Centered Tungsten Filament Carteidge		
Accelerating Voltage		0~30KV		
Lens System		Three-level Electromagnetic Lens (Tapered Lens)		
Objective Aperture		Molybdenum Aperture Adjustable Outside Vacuum System		
Specimen Stage		Five Axes Stage		
Travel Range	X(Auto)	0~50mm		
	Y(Auto)	0~50mm		
	Z(Manual)	0~25mm		
	R(Manual)	360º		
	T(Manual)	-5º~90º		
Max Specimen Diameter		150mm		
Detector		High Vacuum Secondary Electron Detector (With Detector Protection)		
Modifi	cation	Stage Upgrade;EBL;STM;AFM;Heating Stage;Cryo Stage;Tensile Stage;Micro-nano Manipulator;SEM+Coating Machine;SEM+Laser		
Accessories		CCD,LaB ₆ ,X-Ray Detector(EDS),EBSD,CL,WDS,Coating Machine		
Vacuu	m System	Turbo Molecular Pumps;Rotation Pump		
Electron Beam Current		10pAt~0.1µA		
PC		Customized Dell Work Station		

Product Display



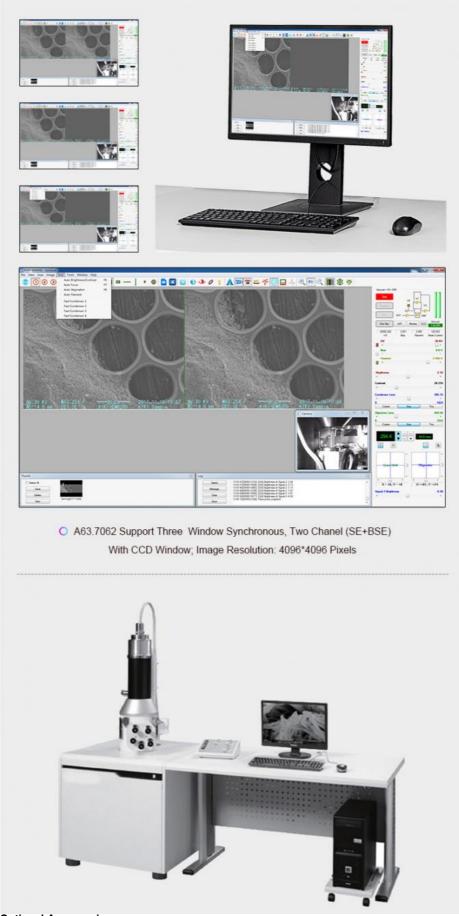




O The Sample To Be Observed Need To Put IN The Sample Room



O Five Axes Stage, X/Y Motorized Control (Small)



Optional Accessories

Optional Accessories

A50.7001



O BSE Detector

Semiconductor Four Segment Back Scattering Detector; Available In Ingredients A+B, Morphology Info A-B; Available Sample Observe Without Sputtering Gold; Available In Observe Impurity And Distribution From Grayscale Map Directly.



A50.7010

O EDS (X Ray Detector)

Silicon Nitride (Si3N4) Window To Optimize Low Energy X-ray Transmission For Light Element Analysis; Excellent Resolution And Their Advanced Low-noise Electronics Provide Outstanding Throughput Performance; The Small Footprint Offers Flexibility To Ensure Ideal Geometry And Aata Collection Conditions; The Detectors Contain A 30mm² Chip.

Coating Machine



Glass Protecting Shell: ∮ 250mm; 340mm High; Glass Processing Chamber: ∮ 88mm; 140mm High, ∮ 88mm; 57mm High; Specimen Stage Size: ∮ 40mm (max); Vacuum System:molecula Pump And Mechanical Pump; Vacuum Detection: Pirani Gage; Vacuum:better Than 2 X 10-3 Pa; Vacuum Protection:20 Pa With Microscale Inflation Valve; Specimen Movement: Plane Rotation,tilt Precession.

A50.7011



O Ion Sputtering Coater

Glass Processing Chamber: ∮ 100mm; 130mm High; Specimen Stage Size: ∮ 40mm(Hold 6 Specimen Cups) ; Golden Target Size: ∮ 58mm*0.12mm(thickness); Vacuum Detection: Pirani Gage; Vacuum Protection:20 Pa With Microscale Inflation Valve; Medium Gas:argon Or Air With Argon Gas Special Air Inlet And Gas Regulating In Microscale.

A50.7012

O Argon Ion Sputtering Coater

The Sample Was Plated With Carbon And Gold Under High Vacuum;

Rotatable Sample Table, Uniform Coating, Particle Size About 3-5nm;

No Selection Of Target Material, No Damage To Samples; The Functions Of Ion Cleaning And Ion Thinning Can Be Realized.

A50.7013



APPLICATION AND CASE



MORE CHOICES



PACKING AND SHIPPING

Packing :

By Air: The Tube Portion Of An Electron Optical Mirror: 110cm x 110cm x 153cm; Electrical Cabinet Operation Desk: 163cm x 85cm x 115cm;

Accessories: 130cm x 125cm x 135cm;

G.W.: 700kg

By Sea:The Tube Portion Of An Electron Optical Mirror: 110cm x 110cm x 195cm; Electrical Cabinet Operation Desk: 163cm x 85cm x 115cm; Accessories: 130cm x 125cm x 135cm;

G.W.: 700kg

Shipping Time : 3-10 Days From Stock

Consum	nables			
	Name	Specification	Quantity	Unit
1	Centered cartridge filament		5	set
2	2 Specimen cup		10	pcs
3	Specimen cup	(φ32)	10	pcs
4	Carbon conductive tape(double side)	6mm	1	рс
5	Vacuum grease		1	Bottle
6	Lint-free cloth		20	pcs
7	Vent-pipe		5	meter
8	Polishing paste		1	set
Tools				
	Name	Qua	ntity	Unit
1	Allen wrench 1			set
2	Clean stick	1		рс
3	Overshot	1		pc
4	Aperture removing tool	1		рс
5	Tweezers	1		pc
6	Screwdriver	2		pcs

Company Information

OPTO-EDU is one of the top professional supplier for microscope from China, we focus in microscope & educational field for more than 20 years. As the top recommended seller for microscope on alibaba, we have full types microscopes, including biological microscope, stereo microscope, metallurgical microscope, inverted microscope, fluorescent microscope, polarizing microscope, phase contrast microscope, dark field microscope, multi-viewing microscope, DIC microscope, AFM/STM/SPM microscope, zoom microscope, gem microscope, digital microscope, LCD microscope, comparison microscope, forensic microscope, and all kinds of microscope accessories. Our customer comes from more than 104 countries, such as United States, Britain, Russia, Canada, Germany, Denmark, Poland, Sweden, U.A.E., Qatar, Saudi Arabia, Egypt, Mexico, Argentina,

Chile, Brazil, Korea, Thailand, India, Indonsia, Philliphine and so on. We have been working tirelessly to supply China's nice quality production to the world market!
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