

Product Description

- ◆Affordable SEM
- ◆English Operation Panel
- ◆Full set of automated software
- ◆Modification Service Available
- ◆Bestseller SEM

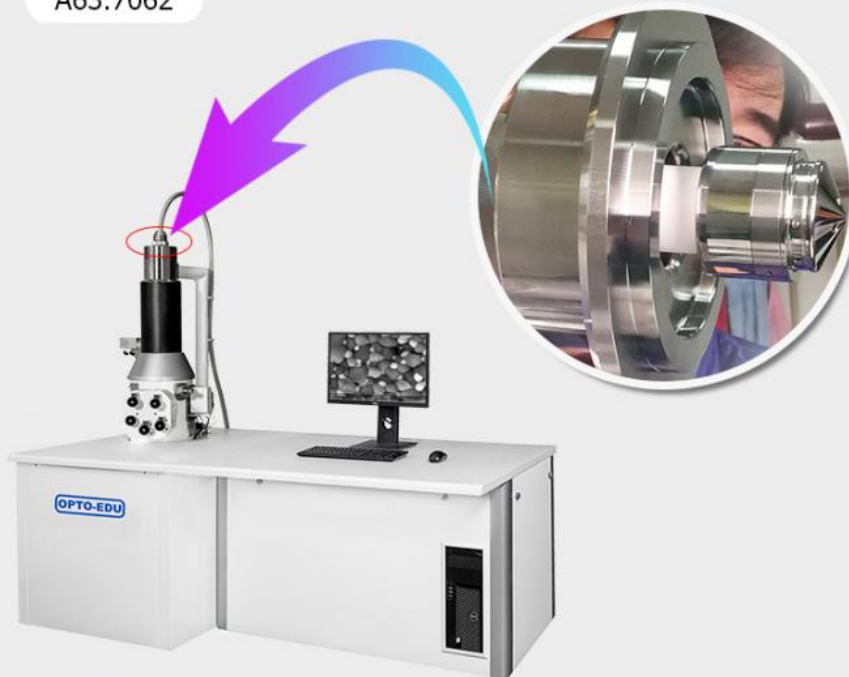
Scanning electron microscopy (sem) is suitable for the observation of the surface topography of metals, ceramics, semiconductors, minerals, biology, polymers, composites and nano-scale one-dimensional, two-dimensional and three-dimensional materials (secondary electron image, backscattered electron image).It 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.

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 Cartridge
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) 360°
	T(Manual) -5°~90°
Max Specimen Diameter	150mm
Detector	High Vacuum Secondary Electron Detector (With Detector Protection)
Modification	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
Vacuum System	Turbo Molecular Pumps;Rotation Pump
Electron Beam Current	10pAt~0.1μA
PC	Customized Dell Work Station

Tungsten Heated Cathode-Pre Centered Tungsten Filament Cartridge
The Electromagnetic Lens In This Cylinder

PRODUCT DISPLAY

A63.7062



○ Tungsten Heated Cathode-Pre Centered Tungsten Filament Cartridge

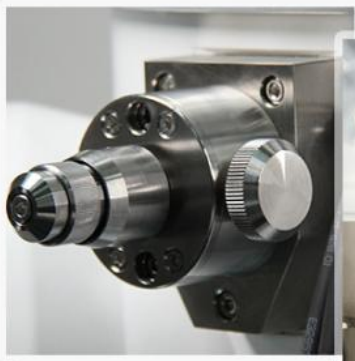


○ The Electromagnetic Lens In This Cylinder

The Isolating Valve Ensures That The Upper Vacuum Is Not Affected When The Sample Room Is Opened
Objective Aperture

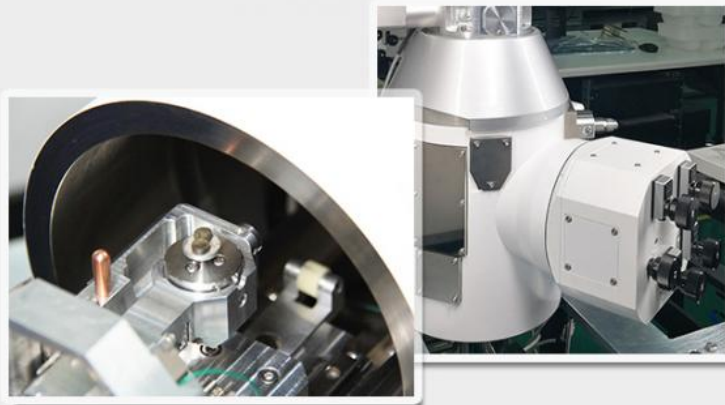


- The Isolating Valve Ensures That The Upper Vacuum Is Not Affected When The Sample Room Is Opened



- Objective Aperture

The Sample To Be Observed Need To Put IN The Sample Room
Five Axes Stage, X/Y Motorized Control (Small)



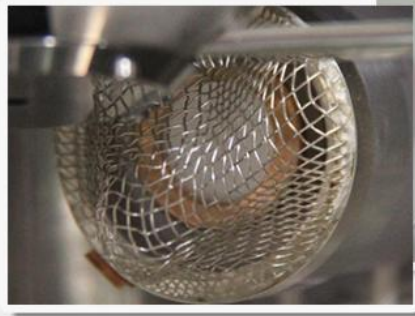
○ The Sample To Be Observed Need To Put IN The Sample Room



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

Consumables				
	Name	Specification	Quantity	Unit
1	Centered cartridge filament		5	set
2	Specimen cup	($\phi 13$)	10	pcs
3	Specimen cup	($\phi 32$)	10	pcs
4	Carbon conductive tape(double side)	6mm	1	pc
5	Vacuum grease		1	Bottle
6	Lint-free cloth		20	pcs
7	Vent-pipe		5	meter
8	Polishing paste		1	set
Tools				
	Name	Quantity	Unit	
1	Allen wrench	1	set	
2	Clean stick	1	pc	
3	Overshot	1	pc	
4	Aperture removing tool	1	pc	
5	Tweezers	1	pc	
6	Screwdriver	2	pcs	

High Vacuum Secondary Electron Detector
Optional Accessory Connection Interface

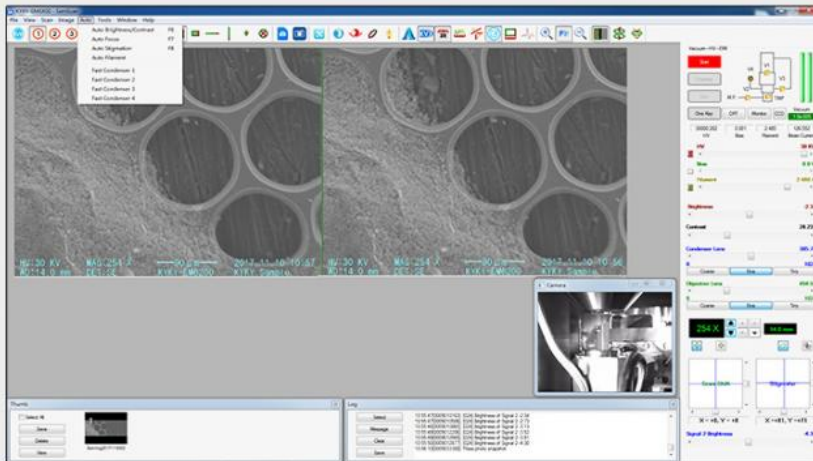


○ High Vacuum Secondary Electron Detector



○ Optional Accessory Connection Interface

A63.7062 Support Three Window Synchronous, Two Channel (SE+BSE) With CCD Window; Image Resolution: 4096*4096 Pixels



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With CCD Window; Image Resolution: 4096*4096 Pixels



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