Opto Edu A63.7088 Schottky Field Emission Gun Scanning Electron Microscope SE+CCD 1x~2000000x

Our Product Introduction

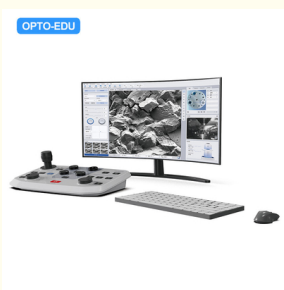
Basic Information

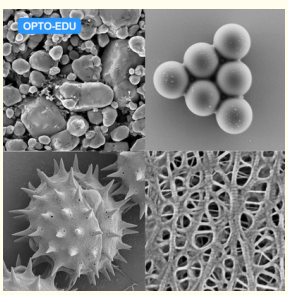
- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A63.7088
- Minimum Order Quantity: 1 pc
- Price: FOB $1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month

Product Specification

- Resolution: 1.0nm@30KV(SE), 1.5nm@1KV(SE)
- Magnification: 1x~2000000x
- Electron Gun: Schottky Field Emission Gun
- Voltage: Accelerating Voltage 0.02~30KV
- Electron Beam: 1pA~20nA
- Vacuum System: 1 Sputter Ion Pump, 1 Turbo Molecular Pump, 1 Mechanical Pump
- Highlight: **SE+CCD Scanning Electron Microscope**, **1x~2000000x Scanning Electron Microscope**, **opto edu microscope**

More Images





Our Product Introduction

Product Description

Schottky Field Emission Gun Scanning Electron Microscope, SE+CCD, 1x~2000000x

1x~2000000x With Detector SEx2+BSE+CCD, Extention Port For EDS, EBSD, CL

Schottky Field Emission Gun Voltage 0.02 30kV, Resolution 1nm@15KV(SE), 1.5nm@1KV(SE)

5 Axes Auto Stage X=125, Y=125, Z=50, R=360°, T=-5°~+70° Specimen Room Φ330xH260mm

Vaccum Pumps: 1 Ion +1 Turbo Molecular+ 1 Mechanical, Including Computer, Windows & Software, Control Panel

Composite Lens With Electrostatic Lens + Magnetic Lens Worry Free Imaging of Magnetic Samples

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A63.7088

Schottky Field Emission Gun Scanning Electron Microscope, SE+CCD, 1x~2000000x

A63.7088	
Resolution	1.0nm@30KV(SE), 1.5nm@1KV(SE)
Magnification	1x~2000000x
Electron Gun	Schottky Field Emission Gun
Voltage	Accelerating Voltage 0.02~30KV
Electron Beam	1pA~20nA
Vacuum System	1 Sputter Ion Pump, 1 Turbo Molecular Pump, 1 Mechanical Pump
Detector	SE in Lens, SE in Sample Room, BSE, CCD
Extend Port	Extend Ports On Sample Room For BSE, EDS, EBSD, CL etc.
Specimen Stage	5 Axes **Auto** Stage, Travel Range: X=125mm, Y=125mm, Z=50mm, R=360°, T=-5°~+70°
Max Specimen	Specimen Room Dia.330mm, Height 260mm
Image System	Real Still Image Max Resolution 256x256~16k~16k Pixels
Computer & Software	PC Work Station Windows System, With Professional Image Analysis Software To Fully Control Whole SEM Microscope Operation, Mouse, Keyboard
Control Panel	Included
Dimension & Weight	Main Body 1900x1100x1800mm, Total Weight 800Kg
Optional Accessories	
A50.7091	Ion Beam Cleaner
A50.7092	Field Emission Gun Lamp

A63.7088 Features

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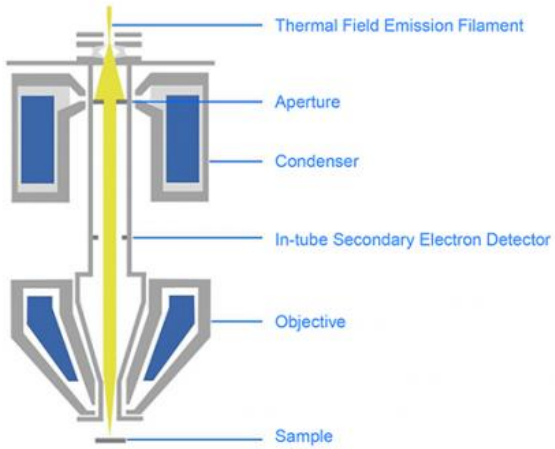
▶ Superior Electron-optics Design

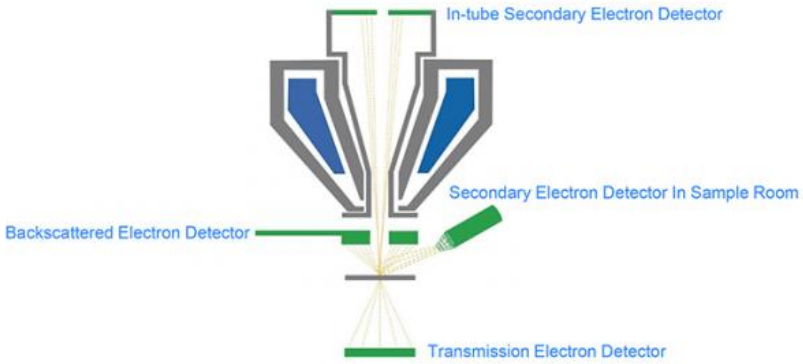
- Thermal field emission electron gun, stable beam, high imaging resolution
- Full tube acceleration technology ensures high imaging performance of electron beam at low acceleration voltage
- Composite lens design of electrostatic lens and magnetic lens, the objective lens has no magnetic leakage, and the imaging of magnetic samples is worry-free



▶ Comprehensive Signal Collection System

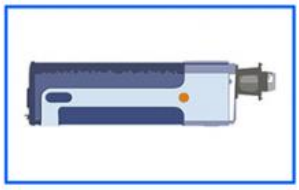
• Can simultaneously collect signals from two types of secondary electrons, backscattered electrons and transmitted electrons.

• The sample morphology and composition contrast are displayed simultaneously to reveal the sample's microscopic morphology and composition information to the greatest extent.



Plasma Cleaning Instrument

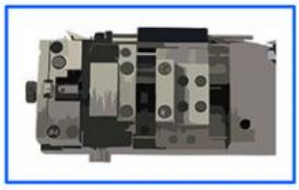
Spectrometer



EBSD

Energy Spectrometer

Micro Gas Injection System



In Situ Experimental Bench

A63.7088 Application Cases

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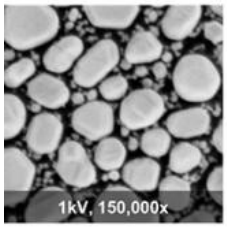
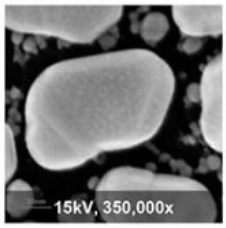
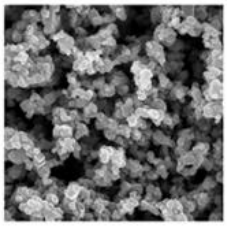
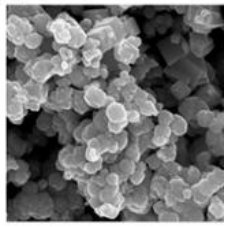
▶ Gold Standard Sample



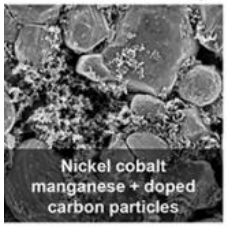


▶ Magnetic Sample: Fe_3O_4 Particles

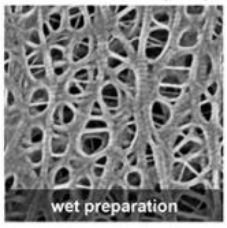


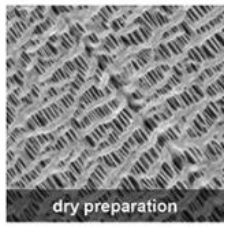


▶ Lithium-ion Battery Cathode Materials

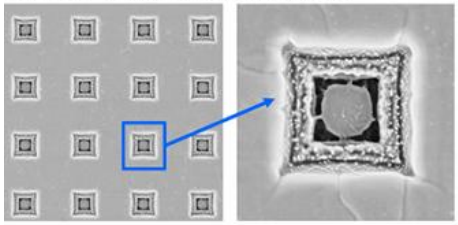


▶ Lithium Battery Separator

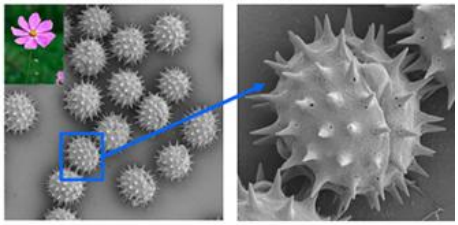




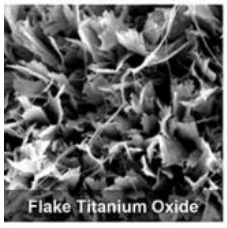
▶ Electrode Morphology on The Chip

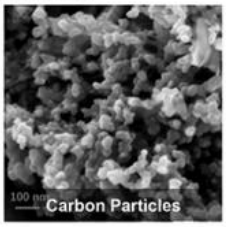


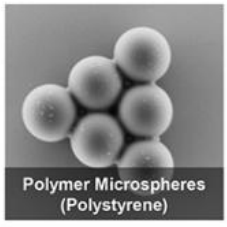
▶ Cosmos Bipinnatus Cav Pollen

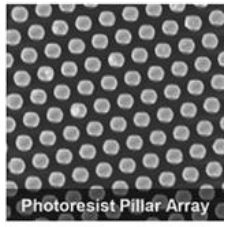


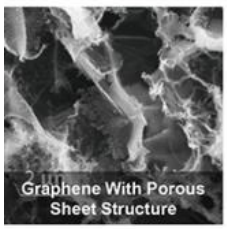
▶ Other Typical Application Cases

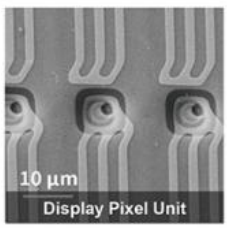


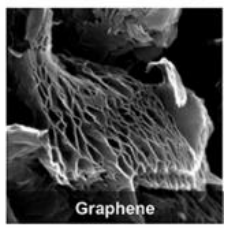












A63.7088 More Pictures

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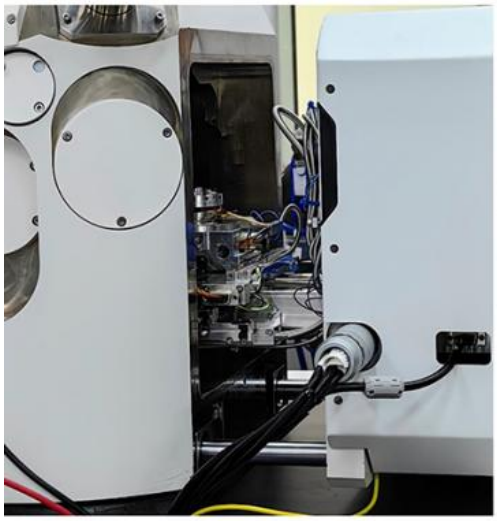

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