

Scanning Electron Microscope Std SEM-3069



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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- The SEM are magnification continuously adjustable, widely working distance, extended depth of field and easy to observe rough specimen, with these features, combine with STM/AFM to help with the location issue in STM/AFM.
- SEM in charge of area selection, and then move the probe to the corresponding area for detailed imaging. The system can realize direct specimen observation from macroscopic to microcosmic, milimeter to nanometer and roughen surface to smooth surface.

►► SEM - 3069 Std Tungsten Filament SEM

Resolution	3nm 30KV(SE) 6nm 30KV(BSE)				
Magnification	Negative Magnification: 6x~300000x Screen Magnification: 12x~600000x				
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)	Y(Auto)	Z(Manual)	R(Manual)	T(Manual)
	0~80mm	0~60mm	0~50mm	360°	-5°~90°
Max Specimen Diameter	175mm				
Detector	High Vacuum Secondary Electron Detector				
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	10pA~0.1μA				
PC	Customized Dell Work Station				

►► SOFTWARE INTRODUCTION :

- SEM - 3069 support three window synchronous, two channel (SE+BSE) with CCD window.
- Auto Function focus : bright/contrast, astigmatism auto remove, electron beam centering, auto high voltage, auto filament, electron gun auto correction, fault detection, optional 3D scanning etc.
- Image Resolution : 4096*4096 pixels.
- Image Format : BMP, GIF, TIF, JPG, MNG, ICO, CUR, TGA, PCX, JP2, JPC, PGX, RAS, PNM, SKA, SEM.

►► Servicing, Validation, Trainings and Preventive Maintenance :

- Servicing** : We have team of service engineers who can attend to any make of instrument promptly @the most affordable cost.
- Trainings** :We also take up preventive maintenance to reduce downtime of instrument's Trainings.
- AMC's/CMC** : We offer user training both in-House and at customer sites on instrument principles, operations, troubleshooting.
- Validations** : We have protocols for carrying out periodic Validations as per GLP/ GMP/USFDA norms.
- Instruments** : We offer instruments/Renting Services Modules like pumps, detector etc. on Rent.



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►► Our Products & Technologies



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Spectro 2080+
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Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
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Liquid Partical
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

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Analytical Foundation

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2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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