

Scanning Electron Microscope Std FEG SEM-3080



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, millimeter to nanometer and roughen surface to smooth surface.

►► SEM - 3080 Std FEG SEM

Resolution	1.5nm 15KV(SE) 3nm 20KV(BSE)				
Magnification	15x~500000x				
Electron Gun	Schottky Emission Electron Gun				
Accelerating Voltage	0~30KV				
Specimen Stage	Five Axes Eucentric Motorized Stage				
Travel Range	X(Auto)	Y(Auto)	Z(Manual)	R(Manual)	T(Manual)
	0~80mm	0~50mm	0~30mm	360°	-5°~90°
Max Specimen Diameter	175mm				
Detector	High Vacuum Secondary Electron Detector Semiconductor Four Segmentation Back Scattering Detector				
Modification	EBL,STM,AFM,Heating Stage,Cryo Stage,Tensile Stage, Micro-nano Manipulator,SEM+Coating Machine, SEM+Laser Etc.				
Accessories	CCD,X-Ray Detector(EDS),EBSD,CL,WDS,Coating Machine, Five Axes Motorized Stage Etc.				
Vacuum System	Ion Pump, Turbo Molecular Pump, Rotation Pump				
Electron Beam Current	10pA~0.1μA				

►► SOFTWARE INTRODUCTION :

- SEM - 3080 support five windows synchronous, four 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 : 16384*16384 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 :

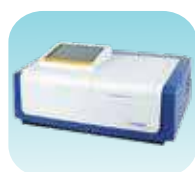
- Servicing** : We have team of service engineers who can attend to any make of instrument promptly @the most affordable cost.
- Trainings** :We also take up preventive maintenance to reduce downtime of instrument's Trainings.
- AMC's/CMC** : We offer user training both in-House and at customer sites 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



UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



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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