

WINDOW FOR NANO WORLD WITH ANALYTICAL SCANNING ELECTRON MICROSCOPY **SEM 3000 Series**



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

SEM-3000AX

Magnification	Photographic magnification; 10x ~ 100,000x Monitor display magnification: 25x~250,000x
Stage	Auto stage (X:35mm,Y:35mm, T:0 to 45°)Manual Stage(Z:5 to 50mm)
Resolution	≤15 nm (SE) ≤ 20 nm (BSE)
Image Resolution	2560×1920pixels, 1280×960pixels, 640×480pixels
Accelerating Voltage	1~30kV (1kV increments)
Image Shift	X,Y R (Rotation)
Vacuum mode	Standard
Electron Gun	Tungsten Filament(W)
Maximum sample size	Diameter: up to 50mm Height: up to 50mm
Image format	BMP, TIFF, JPEG
Operating System	Microsoft Windows 11
Detector	SE,BSE Detector (4 channel solid type)
EDS	Oxford:130eV at Mnk; C(6) ~U(92)EDAX: 133eV atMnk,Be(4) ~ U(92)
Data Display	Micron marker, micron value, magnification, date and time,image number and comment, WD (Working Distance), accelerating voltage, vacuum mode,image signal, image mode
Dimentsion	400(W) x 600(L) x 550(H) mm
Weight	95kg

EDS (Electronic Data Systems)

- Tru-Q Analysis Engine: Accurate Result By Multi Algorithm.
- Multilingual Operation.
- Fast & Easy Analysis With Functions: Point & ID, Line Scan, Mapping, Line Overlap & Background Correction.
- Quantitative Mapping (QuanLineScan, QuantMap).
- Highest Performance SDD.
- Sensor Size : 300mm².
- High quality Light Element Analysis: Be(4)~Am(95).
- Diverse Element Analysis Functions: Point&ID Line Scan, Mapping.

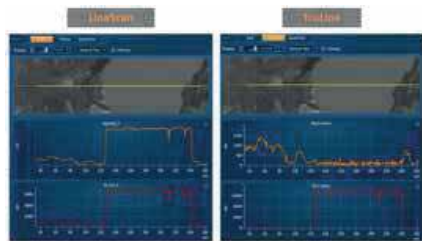
Report & Data Save

Various report templates are provided. User can generate a report with the report generate function. Data can be saved, copied, printed, and e-mailed directly



LineScan

Lines determines elemental concentration variations along a line defined by the users. Linescans are corrected for peak overlaps and any false variations due to X-ray background.



Outstanding Light Element Performance

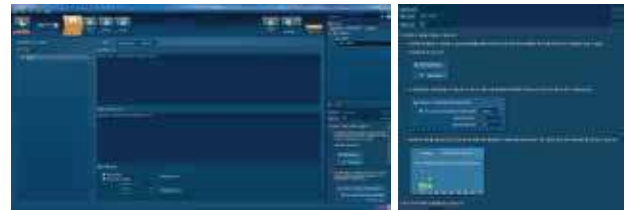
Silicon nitride window improves performance for light elements at low energies.

The TEAM[™] EDS Smart Data Management system for SEM achieves new levels of ease and flexibility with simplified file management and dynamic reporting.



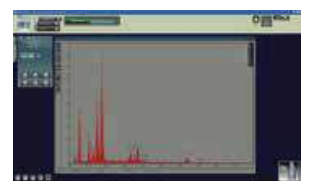
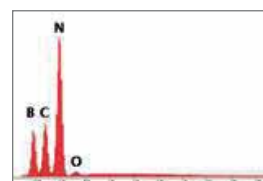
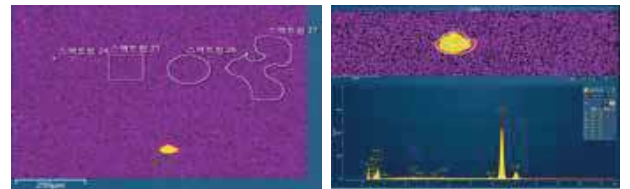
Available in Various Languages

The program is offered in various languages including Loren, English, Japanese, Chinese simplified, Russian, French, and Portuguese.



Point & ID

Spectrum that shows elemental composition can be acquired from multiple points and areas.



Fast, Efficient Results for Industrial Needs

All results can be reviewed anytime, Spectrum, microelement detection, quantitative mapping are construed accurately.



▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

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.

4. buy our products and be a part of social cost of analytical foundation.

▶▶▶ Reach us @



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