

COXEM's New Generation Table-top SEM

EM-40

- All-new GUI, NanoStation5
- Fast frame rate up to 13fps
- Optimized auto focus function
- X, Y, Z axes motorized stage
- Variable pressure (10, 20, 30Pa)
- Compatible with compact EBSD
- Fast particle analysis

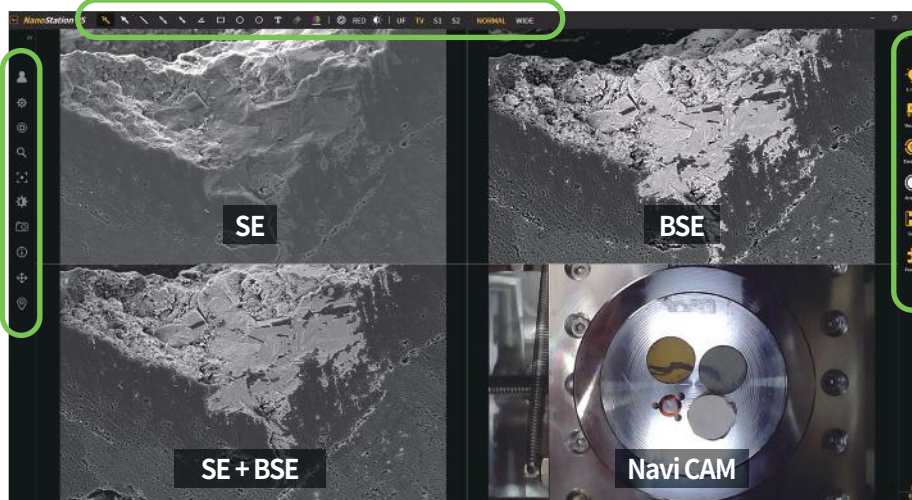


NEW SOFTWARE : NANOSTATIONS

Annotation Tool Bar

Settings

- Alignment
- Stage control
- Focus
- Magnification
- Brightness
- Contrast



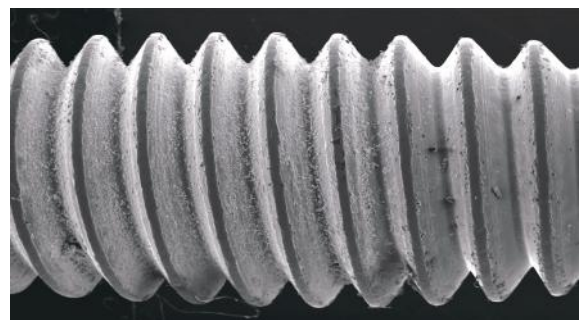
Operation

- E-gun On / Off
- Vacuum / Vent
- Detector
- Acquire
- Save / Load
- Archive

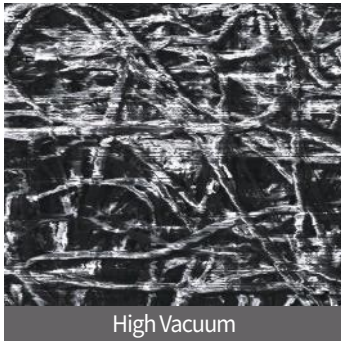
EASY TO OPERATE WITH AUTO FOCUS



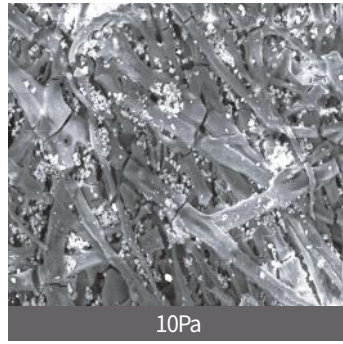
**Auto Focus
in 3 seconds**



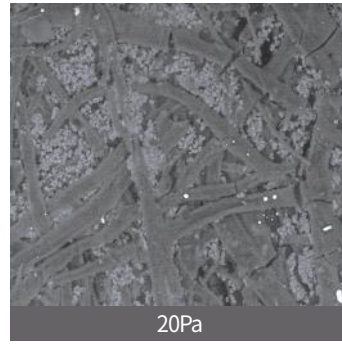
VARIABLE PRESSURE



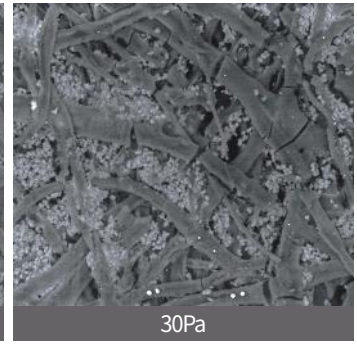
High Vacuum



10Pa



20Pa



30Pa

SPECIFICATION

Electron gun	Tungsten filament (W)
Spatial resolution	< 5nm
Magnification	x20 to x250,000 (Digital zoom x1 ~ x12)
Accelerating voltage	1 ~ 30kV
Sample stage	X : 40mm, Y : 40mm, Z : 40mm, 3-axis motorized
Detector	SE, BSE*
Vacuum mode	High vacuum, Low vacuum*, Variable pressure*
Vacuum system	Turbo pump (80L) + Rotary pump (100L)
Sample holder	Multi-pin stub holder
Dimension (W × L × H)	315 × 560 × 580mm, 81.5kg
Features	Panorama 2.0
	Auto focus
	1 Second auto brightness & contrast
	Auto filament adjustment
	Auto start
	Signal mixing
	Triple display & Save
	Line profile
	Image filtering
	Line measurement
Data output format	JPEG, TIFF, BMP
Options*	BSE, EDS, EBSD, STEM
	Navi CAM
	Low vacuum (20Pa), Variable pressure (10 / 20 / 30 Pa)
	Cool stage
	Diaphragm pump

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