

Which SEM is right for me?

	JEOL	FEI
Training sessions:	2	3+
Common tasks:		
Secondary electron imaging	●	●
Backscatter electron Imaging	●	●
EDS (including mapping)	●	●
Imaging a large field of view	●	○
Sample tilting	◐	●
I want to image features:		
> 50 μm	●	◐
50 μm to 0.1 μm	●	●
< 0.1 μm	○	●
My samples are:		
> 5mm thick	●	○
< 75 mm wide	●	●
75 mm to 100 mm wide	○	●
Weigh > 200 g	●	○
Biological	●	◐
Nonconductive	●	◐
Magnetic	●	NA
Special applications:		
Low vacuum imaging	●	NA
Cathodoluminescence	●	NA
Focused ion beam (cross-sectioning)	NA	●
Gas injection deposition (Pt, W, Co, TEOS)	NA	●
Nanomanipulator	NA	●
STEM (including dark field)	NA	●

● – Recommended

◐ – Possible, may require additional sample preparation

○ – Not recommended

NA – Not allowed / available