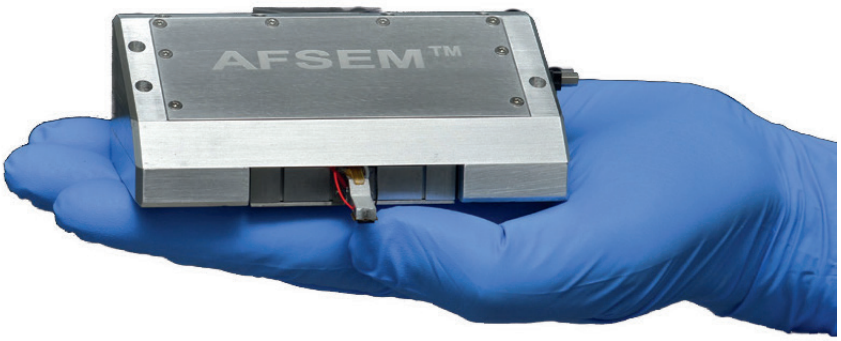
AFSEM™ – SEM compatibility list
AFM integration into SEM

General integration considerations

Integration is always customer-specific.
Images of the SEM from the outside (to see the additional equipment that is already attached) and from the open chamber (to see the chamber size and the stage) are key to validate the integration and provide detailed information.

If customers are using load-lock systems to exchange their samples, they may want to keep the SEM door closed and AFSEM integration might be more challenging. In general, integration is not possible in table top SEMs since the chamber is too small.



Suitable for integration	
FEI	Helios FIB
	Quanta 200 3D (Dual-beam)
	Quanta 3D, FEG FIB-SEM
	Quanta 200, FE- ESEM
	Quanta 600 FEG
	Quanta Cryo SEM
	Quanta 450, FEG – ESEM
	Nova Nanolab
	Nova NanoSEM 230 FE-SEM
	Nova NanoSEM 450 FE-SEM
	Nova 600 (Dual-beam)
Philips	XL30 ESEM (now FEI)
	XL40 (now FEI)
Zeiss	LEO 982
	Crossbeam 340
Integration possible	
Zeiss	EVO 40XVP
	EVO 50
	EVO LS15
	Sigma VP 3view
	Sigma VP FEG SEM
	ULTRA Plus
	Supra 55VP
	Auriga FIB-SEM
	NEON 40EsB FIB-FESEM
	LEO 1530 FEG SEM
FEI	Teneo Volumescope
	MLA 650
	Verios XHR SEM

Integration possible	
Tescan	VEGA 3
	MIRA 3 FESEM (LM, XM, GM chambers seem big enough)
JEOL	Neoscope JCM 500
	840 SEM
	JSM 5410 LV
	5800 LV
	JSM 6010LV SEM
	JSM 6100 SEM
	6400
	JSM- 6480
	6500F
	6510LV SEM
	JSM 6610 SEM EBSD/EDS
	6700F FESEM
	JSM 7000F FESEM high resolution JEOL
	7001F FESEM
	JSM 7100F
	8530F microprobe
Integration impossible	
Philips	XL20 SEM (now FEI)
JEOL	Neoscope JCM 5000
	840 SEM
Hitachi	S3400
	SU3500
	S4300 SE/N, Field Emission (FESEM)
	S4700 FESEM
	SU-70 FESEM
This list is not exhaustive	

Quantum Design EUROPE

Quantum Design GmbH
Im Tiefen See 58
D-64293 Darmstadt

Please contact: Dr. Andreas Bergner
✆ +49 6151 8806-12, bergner@qd-europe.com
Find your local contact at www.qd-europe.com

GETec A QUANTUM DESIGN COMPANY