Quorum Technologies

Coater Section Guide

Product	High (turbo) or low (rotary) pumped vacuum		Sputtering metal types		Coating type			Carbon: SEM, TEM films		Glow discharge	Chamber diameter	Maximum specimen diameter	Typical applications	Summary
	Turbo	*Rotary*	*Non-oxidising*	*Oxidising*	*Sputtering*	*carbon*	*Metal evaporation*	*SEM*	*TEM*					
SC7620		✓	✓			Option		✓		✓	100 mm	75 mm	W-SEM	Basic, entry level, manual operation
Q150R S		✓	✓		✓					Option	150 mm	100 mm	W-SEM	Rotary pumped coaters for W-SEM for specimens up to 100 mm diameter
Q150R E		✓				✓		✓			150 mm	100 mm	W-SEM	
Q150R ES		✓	✓		✓	✓		✓		Option	150 mm	100 mm	W-SEM	
Q150T S	✓		✓	✓	✓					Option	150 mm	100 mm	W-SEM & FE-SEM	Turbo pumped coaters for FE-SEM for specimens up to 100 mm in diameter
Q150T E	✓					✓	Option	✓	✓			100 mm	W-SEM, FE-SEM & TEM carbon	
Q150T ES	✓		✓	✓	✓	✓	Option	✓	✓	Option	150 mm	100 mm	W-SEM, FE-SEM & TEM carbon	
Q300R T		✓	✓		✓						300 mm	200 mm	W-SEM	As Q150R S but for larger specimens – triple target
Q300T T	✓		✓	✓	✓						300 mm	200 mm	W-SEM & FE-SEM	As Q150T S but for larger specimens – triple target
Q300T ES	✓		✓	✓	✓	✓	Up to 150 mm Ø	✓	✓	Option	300 mm	200 mm	W-SEM, FE-SEM & TEM carbon	As Q150T ES but for larger specimens
Q300T D	✓		✓	✓	✓						300 mm	100 mm (option to 150 mm)	W-SEM, FE-SEM & thin film	Dual head for sequential sputtering of two metals
Q150G B	✓		✓	✓	✓	✓	Option	✓	✓	Option	150 mm	100 mm	W-SEM, FE-SEM & TEM carbon	Glove box coater based on Q150T ES

Notes:

For Q150 models we guarantee coating uniformity over the diameter of the standard 50 mm specimen stage. If bigger samples are to be coated then the 10458 4”/100 mm stage, which has an offset gearbox, is required to ensure uniformity of coating across the whole area.

If you are not sure which coating system meets your requirements, please contact us or our local distributor.