



Quorum Technologies

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A quality approach to carbon coating for TEM and SEM

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To achieve the best imaging possible from both TEM and SEM instruments the quality and cleanliness of carbon coating cannot be overstated.

To ensure this Quorum Technologies offer unrivalled approaches to carbon coating. Quorum Technologies has introduced to their Q150T series ramped current carbon rod evaporation - a new process to ensure optimal carbon coating for TEM applications. Ramped current carbon rod evaporation produces particle-free amorphous carbon films, an essential requirement for all TEM applications and for gunshot residue (GSR) analysis in the SEM. For this reason the Quorum Q150T ES coater is seen as the industry standard by most UK forensic laboratories.

Another approach is controlled pulsed carbon cord evaporation, which can be used for the majority of SEM applications. This is especially so for EDS where precise and particulate-free carbon film thickness is essential for quantitative elemental analysis.

Both of these unique approaches to carbon coating will be explained in detail, and with a working system on the Quorum Technologies exhibition stand (503), practical demonstrations will be available throughout the duration of the conference.



Quorum Q150T ES sputter/carbon coater