

UMF Equipment – Leica ACE 600

Leica ACE 600 is a High Vacuum Coating System for a wide range of applications. Equipped with a configurable metal process chamber, the EM ACE600 sputter coater is flexible and can be adapted to a wide range of applications. Thanks to the large configurable metal process chamber, EM ACE600 can run more than one process in a single coater instrument without breaking the vacuum. In addition, the combination of a sputter head and an advanced carbon thread evaporator enables multi-layer coatings in a single preparation process.

Specifications:

- Produce evenly distributed thin films over the entire 100 mm stage thanks to the optimized two-source concept with two angled ports and a rotating stage.
- Choose from robust carbon thread, and sputter coater sources.
- Safe loading and unloading of sensitive samples via the front door.
- A workflow-based user interface and fast access to relevant parameters guides the way.

Please refer to <https://www.leica-microsystems.com/products/sample-preparation-for-electron-microscopy/p/leica-em-ace600/> for further details of the system.

For any enquiry, please contact Dr. Wei Lu (Tel: 34002077; Email: wei.lu@polyu.edu.hk).

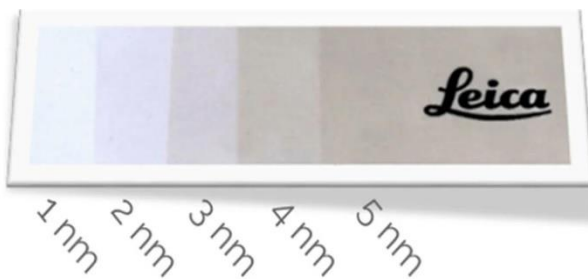


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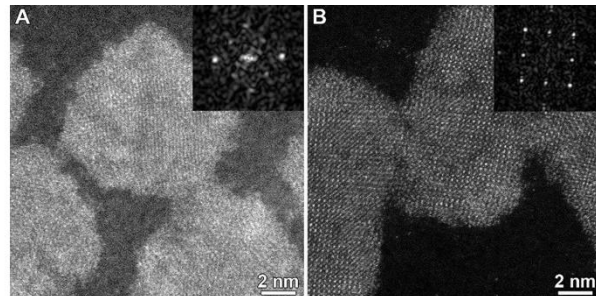


**Carbon thread evaporation,
Sputtering, and grid stage**

Applications:



**Precise Carbon deposition of 1 – 5 nm
thick carbon films**



**A: conventional carbon film (15 nm
carbon); B: ultra-thin carbon film (3
nm). Easy observation of the lattice of
CdSe quantum plates**