

Leica Products & Consumables

Leica Products for SEM (& TEM) Preparation

Leica EM CED030 Carbon Thread Evaporator

A **compact bench-top** single and multiple carbon thread evaporator producing conductive carbon films on specimens for X-ray microanalysis (EDX, WDX) and carbon reinforcement films on collodion or formvar coated specimen support grids for TEM. Uses flash or pulsation evaporation under low vacuum conditions. Carbon thread produces cohesive films that will cover very fissured surfaces.

The carbon thread is thoroughly degassed under a shutter protecting the specimen from damaging splatters. Precise parameter selection plus the use of a crystal quartz film thickness monitor allows the film thickness to be exactly determined.

C506 CED030 carbon thread evaporator



Leica EM EM ACE200 Sputter Coater

The Leica EM ACE200 is a high quality desk-top coater designed to produce homogeneous coatings of conductive metal or carbon as required for electron microscopy.

This fully automated instrument can be configured either as a **sputter coater** or a **carbon thread evaporation coater**. Or, if preferred, the Leica EM ACE200 can combine both methods with interchangeable heads on the one instrument.

Additional options include:

- › Quartz crystal measurement – for reproducible layers
- › Planetary rotation – for even distribution of coating material on fissured samples
- › Glow discharge – to make TEM grids hydrophilic
- › Exchangeable shielding – for easy cleaning

Please ask for details and quotation



Leica EM EM ACE600 Sputter Coater

The Leica EM ACE600 is a versatile high vacuum table-top film deposition system, designed to produce very thin, fine-grained and conductive metal and carbon coatings for the highest resolution analysis, as required for FE-SEM and TEM applications.

This fully automated coater includes an integrated oil free pumping system, quartz crystal film thickness measurement and three axis motorized stage (rotation, optional tilt and height).

The Leica EM ACE600 can be **configured for the following methods**:

- › Sputtering
- › Carbon thread evaporation
- › Carbon rod evaporation (with an option for thermal resistance evaporation)
- › e-beam evaporation
- › Glow discharge
- › Leica EM VCT adaptation for cryo-coating, freeze-fracture, double-replica, freeze-drying and environmental transfer with the VCT Shuttle.

Please ask for details and quotation

