Heated Forceps/Tweezers

These Leica EG F Heated Forceps are designed for paraffin embedding to reduce the "carry-over"often associated with ordinary forceps. The Leica EG F consists of the control unit, forceps and forceps holder to avoid contact by the cable with the hot working surface and wax.The tip temperature is variable from 55º to 70ºC.

F319 Leica EG F heated forceps incl. control box with forceps holder and coiled lead to non-stick forceps.

Leica Products for SEM (&TEM) Preparation

Leica 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 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 SCD005 Cool Sputter Coater

A **table-top** sputter coater that produces very fine-grained, quality conductive films using precious metals: gold, gold/palladium, iridium, silver and platinum. Even large samples such as wafers and compact discs for industrial processes can be coated.

This unit also offers single and multiple **carbon thread evaporation f**or the production of conductive carbon films for X-ray microanalysis (EDX, WDX) and carbon reinforcement films on specimen support grids. The unit allows fast processing cycles resulting in increased time savings and efficiency. **Adjustable argon pressure** and sputter current during processing provides better control of the coating rate for optimum results. Various vacuum chamber sizes are easily exchangeable and accommodate different sample preparation processes allowing greater flexibility in sputtering larger samples. Stepless height adjustable **rotating specimen table** for correct film deposition and integrated shutter.

Please ask for a quotation for either of these instruments

Leica SCD050 Water Cooled Sputter Coater

The SCD 050 has all the features of the above plus:

An integrated **water-cooled sample stage** ensuring consistent sample temperature at high sputtering power.

A **built-in etching device** for surface cleaning that improves adhesion of the subsequent coating and makes carbon films hydrophilic.

Large sample coating e.g.wafer

Leica SCD500 High Vacuum Coater for FE-SEM

The Leica EM SCD500 is a versatile high vacuum film deposition system designed to produce very thin, fine-grained metal films and conductive carbon coatings for highest resolution FE-SEM analysis.

A versatile high vacuum oil-free film deposition system using a membrane diaphragm pump offering many options in a single unit; high vacuum sputtering, carbon thread, thermal resistance and carbon rod evaporation, cryo preparation for freeze drying, freeze fracturing/etching, double replica, cryo coating and vacuum cryo transfer with Leica EM VCT100. Interchangeable Vacuum chambers for different sample sizes and processes.

Planetary drive stage provides the best uniformity of the sputter deposition; Rotary and tilting stages achieve excellent shadowing affects and the stepless height adjustable specimen table gives defined film deposition with minimum specimen damage. Pre-selectable and permanently stored sputtering parameters Stepless height adjustable specimen table for defined film deposition with minimum specimen damage with pre-selectable and permanently stored sputtering parameters.

A built-in high voltage etching device for surface cleaning improves adhesion of the subsequent coating or makes carbon films hydrophilic.

S535 EM SCD500 High vacuum coater

Leica EM CPD300 Automated Critical Point Dryer

The drying of biological specimens such as pollen, tissue, plants, insects, as well as industrial samples, for example MEMS (Micro Electro Mechanical Systems) for SEM analysis can be prepared in the Leica EM CPD300 Critical Point Dryer, fully automatically.

To ensure a low CO_2 consumption and a very short process time a new filler concept was developed. Special attention has been turned to safety by implementing software controlled cut-off functions and integrating a waste separator for safe and easy disposal of exchange fluid thus avoiding direct contact with the user. The drying of biological specimens in the Leica EM CPD300 Critical Point Dryer is fully automatic.

A wide selection of specimen holder is available to suit every sample.

C318 EM CPD300 Critical point dryer

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