

VAC COAT

Desk Carbon Coater – DCR



DCR

Desk Carbon Coater

Vac Coat Ltd.

The Products & Specification

Vac Coat Ltd. Is the owner and manufacturer of the Sputter & Vacuum Coaters.

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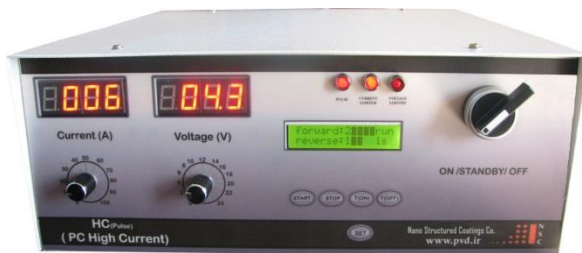
Desk Carbon Coater is a compact carbon fiber coating system suitable for sample preparation for the use in scanning electron microscope (SEM), Transmission electron microscope (TEM) and X-Ray analysis (EDX).

DCR is a rotary-pumped carbon coater that is suitable for SEM sample preparation, EDS/WDS and thin film applications.

Features

- Quartz crystal monitoring system used for real time thickness measurement (1nm precision).
- Pulsed or flash carbon fiber coating modes.
- Intuitive touch screen to control and monitor the coating process with a capability of rapid data input.
- User friendly software that can be updated via network.
- Able to record and plot coating parameters graphs.
- Easy-to-change specimen stages (rotation stage as standard).
- Two-year warranty.
- CE conformity.

Pulsed Carbon Fiber Evaporation



The Desk vacuum carbon coater is able to perform pulsed carbon fiber evaporation. Short pulses provide more controlled deposition and significantly reduces the amount of debris associated with traditional carbon deposition.

Touch Screen Control with colored display unit



Desk carbon coater is equipped with a 7" colored touch screen with full automatic control and data input that can be operated by even an inexperienced users. The vacuum, current and deposition information can be monitored as digital data or curves on the touch screen. The last 300 coatings information can be detected in the history page.

Sample Stages



The device can be equipped with different sample stage configurations depending on the user requirements. The sample stages are rotatable with adjustable height and easy to change.

The rotary planetary sample stage is a good choice for uniform coating of porous specimens.



Specification

- Two-stage, direct drive 14m³/h, rotary vane pump.
- 170 mm OD x 140 mm Pyrex cylinder chamber.
- 0-100 A switching Pulsed DC power supply.
- Ultimate Vacuum: Less than 50 milli torr.
- Dimensions: 450 x 500 x 370 mm (H x W x D)
- Utilities: 220V-50Hz - 10A.
- Intuitive touch screen with colored display unit.
- Sample holder with planetary rotation.
- Electronic shutter.
- Automatically controlled coating - independent of pressure.
- Precision metering valve for fine control of vacuum pressure.
- Real time plots of coating parameters.
- Simple transfer of coating data plots via USB port to PC.
- Shipping Weight: 46 Kg.

Options and Accessories

Desk carbon coater has the following options and accessories:

- Quartz crystal
- Sample rotation
- Spare glass
- Fiber carbon