

DSR1

Desk Sputtering System

Suitable for thin films and SEM applications



DSR1 features

- Coating of noble metals - such as Gold (Au), Silver (Ag), and etc.
- Touch screen and colorful display
- Able to plot sputtering parameters graphs
- Including USB port for graph and data extraction and software updates
- Thickness monitor system for thickness measuring during coating process

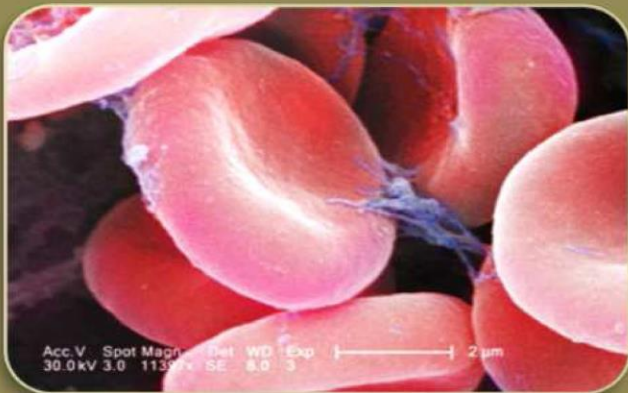
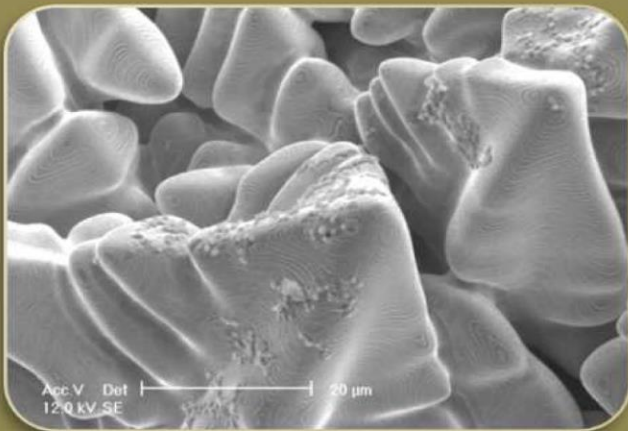
Nano Structured Coatings Co.

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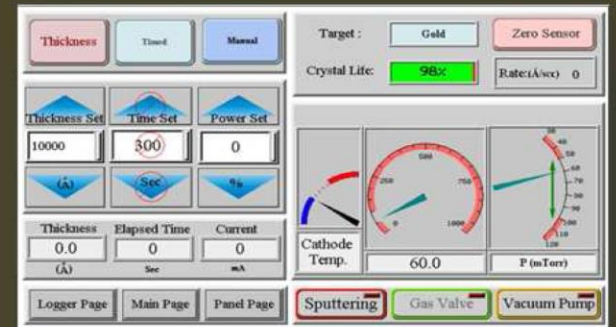
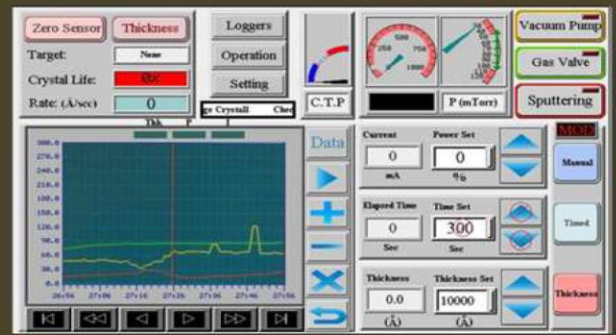
Desk Sputter Coater DSR1

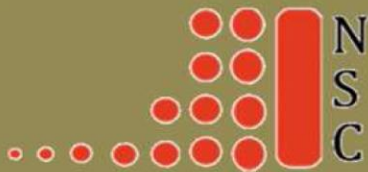
The Desk Sputter Coater model DSR1 is able to coat noble metals - such as Gold (Au), Silver (Ag), Palladium (Pa) and platinum (Pt) thin films on non-conductive or poorly conductive specimens uniformly and fine-grain size in fast cycle time. The good design of the system able the user easily to load and unloading of samples and quickly change the target.



STANDARD FEATURES

- Two-stage, direct drive 170 L/m, rotary vane pump.
- 150 mm OD x 150 mm Pyrex cylinder chamber
- 0-100 mA switching power supply
- Ultimate Vacuum: Less than 30 millitorr
- Dimensions: 45 Cm H x 50 Cm W x 37 Cm D
- Utilities: 220V-50Hz - 6A
- Gas: Argon - 99.999% (regulated to 2 - 5 psig); recommended but not required
- Manual or automatic Timed and Thickness sputtering
- Control the rate of sputtering to achieve finer grain structure
- High precision quartz crystal thickness monitor
- Protection of samples against heating during sputtering process
- System automatically vents when turned off. Nitrogen venting gas (optional)
- Automatically controlled the power of sputtering independent of pressure.
- Automatically controlled the temperature of cathode in order to protect the life time of the magnets
- Data is rapidly entered using fully automatic touch screen control.
- Precision metering valve in order to control the vacuum pressure.
- Drawing the pressure, thickness and current curves.
- Transfer the curves and sputtering process data by USB port to PC
- Shipping Weight: 18 Kg (without vacuum pump) 34 Kg with pump
- ISO 9001:2008, CE conformity





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