

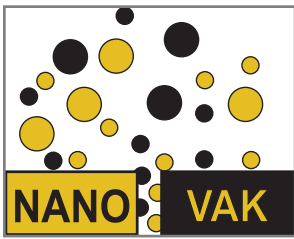
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NVBJ-300-4TH Thermal System



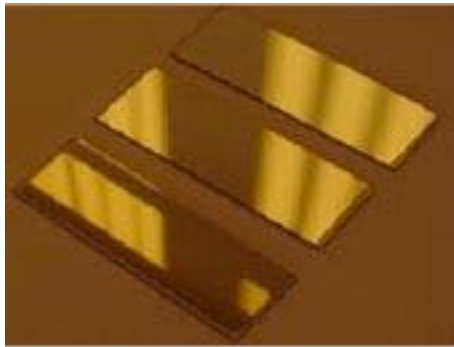
Bell Jar type simple evaporator for day to day use. Up to four box type evaporators can be integrated, if needed, can be dedicated for Zn, In, Cd, Ca, Pb evaporation, sequentially to deposit any material. Systems can be tailored to fit user desires in order to produce multilayered, nanosize metallic, oxide, fluoride, organic films. Standard features such as thickness monitor, QCM sample rotation units can be utilized by the user comfortably. A typical two layer thin film coating experiment cycle time is about 1.5 hour. Base Pressure is 5×10^{-7} Torr.



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Bell-Jar Thermal System



- Fully automated vacuum system with panel control, simple operation, 1 hour quick cycle time
- Cylindrical vacuum Bell-Jar made of Pyrex Glass or SS304 cylinder, Standard 1" ports
- Various sample holders, 4" wafer, 1x3" lamellae, small-large samples, easy loading
- Ability to adjust sample source distance to save evaporation material
- Internal SS304 cylindrical protection jacket
- 5×10^{-7} Torr base pressure, 5×10^{-6} Torr vacuum level in 30 minutes
- Turbomolecular + Mechanical pump, SS316 flex hose and dust filter standard
- Wide range ($1000 - 10^{-9}$ Torr) vacuum control and measurement system, Auto vent and back-fill ability
- Closed cycle water cooler inside the desk, auto-on auto-off cooling system
- Four evaporation sources 4xsequential evaporation ability, 2x2 co-evaporation ability
- Auto shut-off in case of power failure. Ability to keep the chamber in vacuum when not in use
- Two 2-channel, 2000 Watt (10V - 200A) thermal evaporation power supplies
- Proprietary design for elimination of chamber and source cross-contamination
- Two channel thickness monitor and two QCMs,
- 2-30 rpm adjustable sample rotation
- One common Servo controlled shutter for two thermal sources
- Friendly interface and simple operation.
- One touch start-stop vent button for automatic vacuum management
- 75x120 cm footprint, lockable wheels
- Easily passes through the standard 85 centimeter door
- One year full warranty for design, materials and workmanship