THERMAL EVAPORATION SYSTEM (MAKE: HIND HIGH VACUUM)

Equipment Picture:

THERMAL EVAPORATION SYSTEM

Description of the facility :

The HHV Thermal Evaporation System is a versatile and compact coating system which has been developed to meet the demands of the researcher. The system is available with glass bell jar. The vacuum system is controlled and monitored by a rugged PLC with touch screen for easy operation. Pumping options include diffusion, turbo and cryo pumps with oil-sealed or dry scroll backing pumps.

Features:

Vacuum systems
-600l/s diffusion pump
-14.3m3/h oil sealed rotary pump and liquid nitrogen trap as standard.

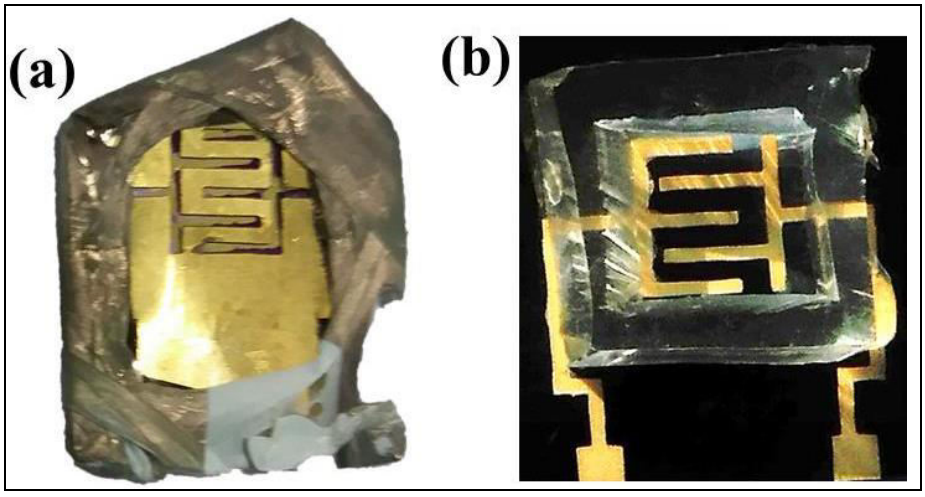
Chambers
- Domed glass bell jar

Controls and safety
- PLC system controller with touch-screen for vacuum system control
- Automatic high vacuum valve protects pumps and process
- Comprehensive interlocks to maximize operator safety

Accessories
- EB3 compact 3kW, four-pocket electron beam source
-Temperature controlled sources for organic electronic materials
-Resistance evaporation systems
- Static work holders Substrate heating systems
-Source shutters Glow discharge cleaning**-**
- Film thickness monitoring

Deposited metals
- Gold and aluminum

Picture of the samples



Sample after gold deposition in thermal evaporation system: (a) with metal mask and (b) after removing mask (exposed gold electrode)