

UMF Equipment – Thermal Evaporator

Denton DV502B

Thermal evaporation is a common method of physical vapor deposition (PVD). It is one of the simplest forms of PVD and typically uses a resistive heat source to evaporate a solid material in a vacuum environment to form a thin film. The material is heated in a high vacuum chamber until vapor pressure is produced. The evaporated material traverses the vacuum chamber with thermal energy and coats the substrate.

- Features:
- Substrate size: Up to 4"
 - Substrate rotation: 0 – 20 rpm
 - Vacuum: Achieve to 10^{-6} Torr
 - Source: 2 evaporation sources
 - Thickness control: Inficon deposition controller
 - Substrate type: Wafer, plastic, glass

Please refer to supplier information page: <https://www.dentonvacuum.com/products-technologies/thermal-evaporation/dv-502/> for further details of the system.

For any inquiry, please contact Dr. Terence Wong (Tel: 3400 2075; Email: tai-lun.wong@polyu.edu.hk).



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