Evaporator System

- Sharon Vacuum design is a dual electron-beam evaporator located in the Class-1000 cleanroom and is used to deposit thin films.
- Metal or dielectric material is heated by an electron beam until it evaporates at temperatures as high as 3300°C. Thin layers of evaporated material then coat the substrates.
- Low-melting point metal alloys are heated by a thermal-source, passing a current through a boat until the material inside evaporates, depositing a thin layer of metal.