

E-beam Evaporator

Evaporation is one of the most frequently used ways for physical deposition. High-energy electron beam that is directed by the magnetic field can locally melt the target materials, which deposit on the desired substrate at last. Thin film from several nanometers to one micron with high intensity and surface quality can be achieved. In our lab, materials such as Au, Cr, Ti, Si, Ge and SiO₂ have been deposited on different substrates.



Edward 306 Auto Coater
E-beam source
Multiple target crucibles
Real-time film thickness monitoring