

Process : Deposition of thin films by dip coating technique.

Equipment : Single Dip Coater

Photograph :



Basic Principle:

Normally a Dip-coating process has following stages :

immersion, start-up, deposition, evaporation and drainage; the substrate is slowly dipped into and withdrawn from a tank containing the sol, with a uniform velocity, in order to obtain a uniform coating. The whole experimental set-up, has to be isolated on a vibration damping table to ensure that the liquid surface remains completely undisturbed, thus granting the homogeneity of thickness at each deposition.

Capabilities: . The deposition operations are completely automated by computerised control system.

Sample requirements : Max 3 cm x 3 cm substrate