

Thermal Evaporation System (Chrome-Gold)

Specifications:

- Hind HiVac Vacuum Coating Unit (Model 12A4D)
- Resistive heating evaporation system, which has a diffusion pump backed by rotary pump to achieve chamber base vacuum of 1×10^{-6} mbar
- Digital Thickness Monitor: Manual quartz crystal thickness monitor with a resolution of 0.1Å/sec rate of evaporation
- Sequential or Simultaneous evaporation of metals

Process Capabilities:

- **Substrates Used:** Silicon, Glass, Polymers
- **Substrate Size:** Two 2" substrates can be used simultaneously
- **Substrate Temperature:** Room temperature to 250°C
- **Materials deposited:** Chromium and gold
- **Chamber base vacuum:** 1×10^{-6} mbar

