

## Technical Specification of Sputtering cum thermal coating System

- Chamber Size 200 mm (ID).
- Height 300 mm.
- Base plate should have at least 4 electrode system.
- 4-inch Diffusion Pump.
- 250 litre direct driven rotary pump.
- Right-angle type-high vacuum valve.
- Integrated 3-way valve for roughing and backing line.
- Substrate heating at least 250 °C with temperature controller.
- LT supply at least 300 A, 10 V.
- Variable DC power supply of at-least 500 Watt and 1000 V.
- Movable DC Magnetron Sputtering Gun = 2-inch Size.
- Pirani and Penning Gauge.
- Mounted on a wheeled Table of 3\*2 Feet.
- Glass Window 3-inch.

System must provide with the following accessories:

- SS bellows and set of O-rings, Cu, Ni and Fe Targets, Moly Boats, Tungsten Basket and Filaments.
- \*Provision for mounting the sputtering gun on the bottom of the flange as well as on the top flange.