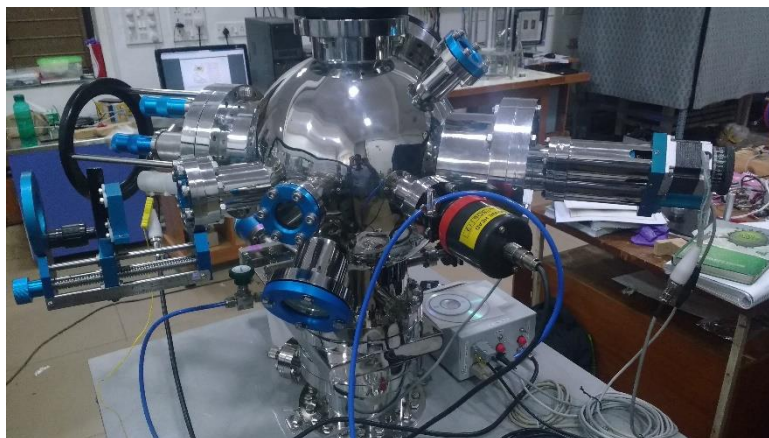


## Pulsed Laser Deposition System



### Technical Details:

- ❖ Spherical Chamber
- ❖ MOC: SS 304
- ❖ Size: 12" / 14" / 18"
- ❖ Ports for Pumping, View, Laser, Gas Inlet, Outlet, etc.,
- ❖ Substrate Heater capable of attaining 800° C with Temp. Controller
- ❖ Substrate Rotation
- ❖ X, Y and Rotational Movement of Substrate Heater
- ❖ Magnetically Coupled Shutter Assembly
- ❖ Automated Target Carrousel with Controller
- ❖ Target turret with 6 target holders of 1" Dia.
- ❖ Vacuum Gauges with digital display unit
- ❖ Gate Valve
- ❖ Gas Flow Assembly with MFC and Valves
- ❖ Lens Holder attached to the Chamber with X, Y and Z movement of lens
- ❖ Vacuum Pumping System
- ❖ Support frame with caster wheels and lock pads
- ❖ Software to control and operate the Target Carrousel

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