

Chemical Vapor Deposition System



Hot Filament CVD System

Technical Details:

- Spherical Chamber
- Filament Assembly
- Filament Power Supply
- Ports for Pumping, Gas Inlet, Outlet, etc.,
- Substrate Heater with Temp. Controller
- Gas Flow Assembly with MFC and Valves
- Shower assembly for gas flow
- Vacuum Gauges with digital display unit
- Gate Valve
- Vacuum Pumping System
- Support frame with caster wheels and mobility

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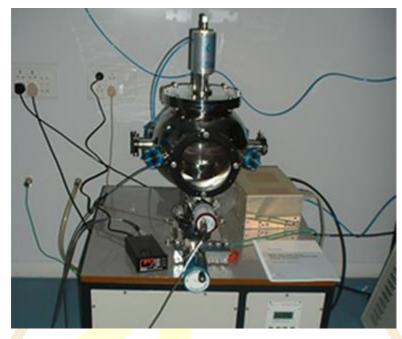
Chemical Vapor Deposition System

Technical Details:

- Structure: Box (or) Cylindrical Horizontally mounted on Frame
- Number of Zones: Single / Two / Three
- Tube: Quartz & Size: 50 mm OD x 1.2 Mtr Long
- Max. Temperature: 1100° C
- Continuous Operating Temperature 1000° C
- Support Holders for Quart Tube
- Water Cooled End Flange on one end will have gas inlet
- Water Cooled End Flange on Other end will have
 - Pumping port
 - Arrangement for pull rod to remove sample insitu
 - Shower assembly to cool the sample with inert gas
 - Quick Access Door to remove sample
- Temp. Controller for hot zone
- Gas Flow Assembly with MFC and Valves
- Vacuum Gauges with digital display unit
- Rotary Vacuum Pumping System
- PID Programmable Water Chiller
- Support frame with caster wheels and mobility
- Automation of Gas Flow and Temperature with

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Plasma Enhanced CVD System

Technical Details:

- Spherical Chamber
- Electrode Assembly
- Ports for Pumping, Gas Inlet, Outlet, etc.,
- Power Supply: DC / RF
- Substrate Heater with Temp. Controller
- Gas Flow Assembly with MFC and Valves
- Shower assembly for gas flow
- Vacuum Gauges with digital display unit
- Gate Valve
- Vacuum Pumping System
- Support frame with caster wheels and mobility

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