


### HIGH VACCUM FILM COATING MACHINE

<ul style="list-style-type: none"> <li>➤ <b>Make /Model:</b> Hind High Vacuum/ SMART COAT 3.0A</li> <li>➤ <b>Specifications:</b> <ul style="list-style-type: none"> <li>○ <b>Chamber Size:</b> Auto 306 options: FL400 Box Chamber:400mm Bell Jar: 315 mm Cylindrical glass chamber:300 mm</li> <li style="padding-left: 40px;">Auto 500 options: FL400: 400 mm FL500: 500 mm</li> <li>○ <b>HV Pumping Options:</b> Diffusion/Turbo with built-in liquid nitrogen trap</li> <li>○ <b>Roughing/Backing Options:</b> Rotary/Dry</li> <li>○ <b>Base Pressure:</b> <math>5 \times 10^{-7}</math> mbar</li> <li>○ <b>Substrate Size:</b> Up to 260mm</li> <li>○ <b>Substrate Holder:</b> Rotary, Planetary, Knudsen planetary, Domed, Heating, Biasing, Z shift and other custom options.</li> </ul> </li> </ul>	
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Testing Name	Industrial	Academic Institutes	Students and Faculty of IISU	
Coating on the surface	Rs. 1000/-	Rs. 500/-	Rs. 200/-	Per Sample (Max. Sample: 5)
Nano crystalline material preparation (Hydrothermal technique) Growth of Nanoparticle size(10to 100nm)	Rs.1500/-	Rs. 500/-	Rs. 200/-	Per 1gm as material cost

**NOTE:**

- The candidate is required to bring their own material for coating.
- Only glass substrate will be available at the CIF. The candidate is required to bring their own substrate if other than glass is to be used