





Comparison - Cosmic's Glass Mirror Coaters with others



| | Cosmic's | Other's |
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| Baffle Valve - Improved Design | <p>Closing of B.V. is towards chamber to prevent roughing or high-vacuum to be done in the B.V. in repetition of cycles</p> <p>This reduces cycle-time a-lot</p> <p>Also, in B.V., vacuum is always maintained in the range of 10(-6) torr and act as vacuum buffer tank</p>  | <p>Closing of B.V. is on top of the Diffusion Pump thus each time roughing or high vacuum is required to be done in B.V.</p>  |
| <p>This means if other's uses same capacity & brand of Rotary, Booster and Diffusion Pump even then our Plant's cycle time will be less by about 30%.</p> | | |

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| Chamber | Chamber size is bigger thus NO black spots on the coated mirror sheet | Compromise. |
| Diffusion Pump- Design | Our D.P. is having much faster speed. We provide jets angular rings which maintain the shape of jets thus speed of our pump will never reduce and in the rainy season cycle-time will not increase. | D.P. speed reduces after 4-6 months. |
| Diffusion Pump- Size | Our D.P. size is bigger thus pumping speed will be about 50% extra. | Compromise. |
| Imported- Rotary/Booster Pump | Our Imported Rotary/Booster Pumps are having 40% more pumping speed, higher ultimate vacuum level & other benefits. | Providing only local pumps which are un-reliable. |
| Control Panel | <p>We provide compact control panel over the body of the plant to ease the operations, save floor space and to prevent loose wirings laying on the floor.</p>  | <p>Separate cabinet with minimum instrumentation.</p>  |
| Automatic Coating Process | <p>This arrangement helps in evaporating aluminum by preset timing of the L.T. dimmer.</p> <p>Even a new operator can run the plant without any single rejection.</p> | Only manual coating thus about 10 % rejection and huge quality variation. |
| Leak Proof- Fabrication | 4 layers Argon welding ensures 100% leak proof plant. | 1-2 layers of Argon welding to save the fabrication cost. |

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| Chevron | Properly designed chevron to avoid Back-Streaming of D.P. oil in work-chamber which improves brightness & adhesion of coatings. | Compromise. |
| 100% Coverage-Coating | Filaments placement is so designed that aluminium coating covers full area of the sheet. No rejection of mirror. | Poor coverage of coating. |
| Cycle-Time | Cycle-time is almost 50% less in comparison of our next competitor. | Double labour, electricity & other expenses. |
| Compact Design | Height- 8 feet. Plant design is compact by placing LT Tfr, dimmer, electrical components inside the chassis of plant. | Height - 11 feet. All items are in open thus dangerous. |
| Latest Technology | Only we can provide U.V. Lacquering technology, bigger size, latest designed Vertical Double Door & Horizontal Plants. | Selling age-old technology with Heating Ovens. |
| Filter, Regulator, Lubricator unit | We provided F.R.L unit for plant's safety which provides treated, controlled air. | Not available |
| Trouble free working | All pressure pipe-line are made of copper with proper lay-out including electrical wirings. Use of all standard components ensures no down-time. | Cheaper components-plant frequently makes trouble. |
| Operations Inter-locking | Proper inter-lockings are provided in functioning of the plant. Even a new operator can run the plant | Not such inter-locking. |
| Paint | PU based paint thus ensures elegant looks of the plant even after many years. | Uses normal paint. |
| Experience | We have made/sold more than 350 industrial plants. We have experience of 30 years and owner is a technical person | Lack of experience. Depends on their un-skilled employees. |
| After-sales-service | After-sales-service is available on a phone-call | ? |
| Customer support | We are with customer to help them in developing their end-product | ? |