

Automatic Material Handling System

margo
INDUSTRIES



Pressure Conveying System

- ▶ Ideal solution to feed the PVC Resin / Dry Blend / Powder material to Silo.
- ▶ Conveying Capacity approx. 2500 / 5000 Kg/hr.
- ▶ Conveying Distance approx. 30 Meters with 3 Nos. of long radius bends (Vertical + Horizontal).
- ▶ Material to be fed in to Storage Silo from source.
- ▶ Level Probes for ensuring the emptiness of System.

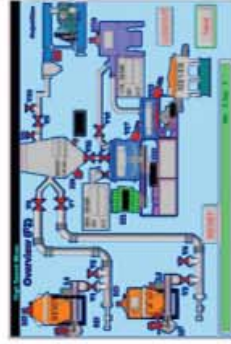


Storage Silo

- ▶ To Store the Raw Material like PVC Resin, PVC Dry Blend / Compound and other free flow powder material.
- ▶ Silos are made from MS, MS & SS, SS 304 with required storage capacity – upto 80 Tons.
- ▶ Silo reverse jet filter cleaning system can be provided for Dust Free healthy environment.
- ▶ Silo weigh and weight monitoring system provided.
- ▶ Multiple processing lines feeding from the Silo can be provided.
- ▶ Indoor or outdoor erection of the Silo is possible.

Hopper Loader Vacuum Conveying System

- ▶ To convey dry blend / powder from Storage Silo / Bin to Extruder Hopper.
- ▶ System is mounted on top of Extruder Hopper.
- ▶ Suitable models available as per extruder output capacity.
- ▶ Auto reverse jet cleaning system for filter.
- ▶ PLC operated safe of the art Electric Control Panel.
- ▶ Level Probe for ensuring the emptiness of material from Silo, pneumatically operated feeding valve to feed Extruder Hopper.
- ▶ Spiral Conveyor / Screw Conveyor are also available



Automatic Compounding Plant with PLC / SCADA System

- ▶ Easy to control on production, planning, supervision and inventory control with process recipe management.
- ▶ Complete automation right from 25 Kg. Bag / Jumbo Feeding Station to distribution of material of multiple processing lines.
- ▶ Integrated malfunction message system with option for manual operation.
- ▶ The Complete systems run on PLC (Programmable Logic Controller) with various safeties and processing interlocks.
- ▶ SCADA software – From you can assess the daily / weekly / monthly reports of total production, material to be consumed, batch recipe, printing, break down alarm can also easily viewed online from any location on computer monitor etc....
- ▶ Operation of complete system views on computer screen.

Liquid Metering and Weighing System

- ▶ To convey the low viscous liquids like DOP, CPW, Stabilizer, Epoxy, Soya Oil etc... from Liquid Storage Tank to Mixer by volumetrically.
- ▶ Tank is made from S.S. 304
- ▶ Gravimetrically / Load Cell Base Liquid Weighing and Dosing System is available.
- ▶ Easy to couple with High Speed Mixer.
- ▶ Batch to Batch variation can be minimized.
- ▶ Save quantity of expensive liquid additives.

