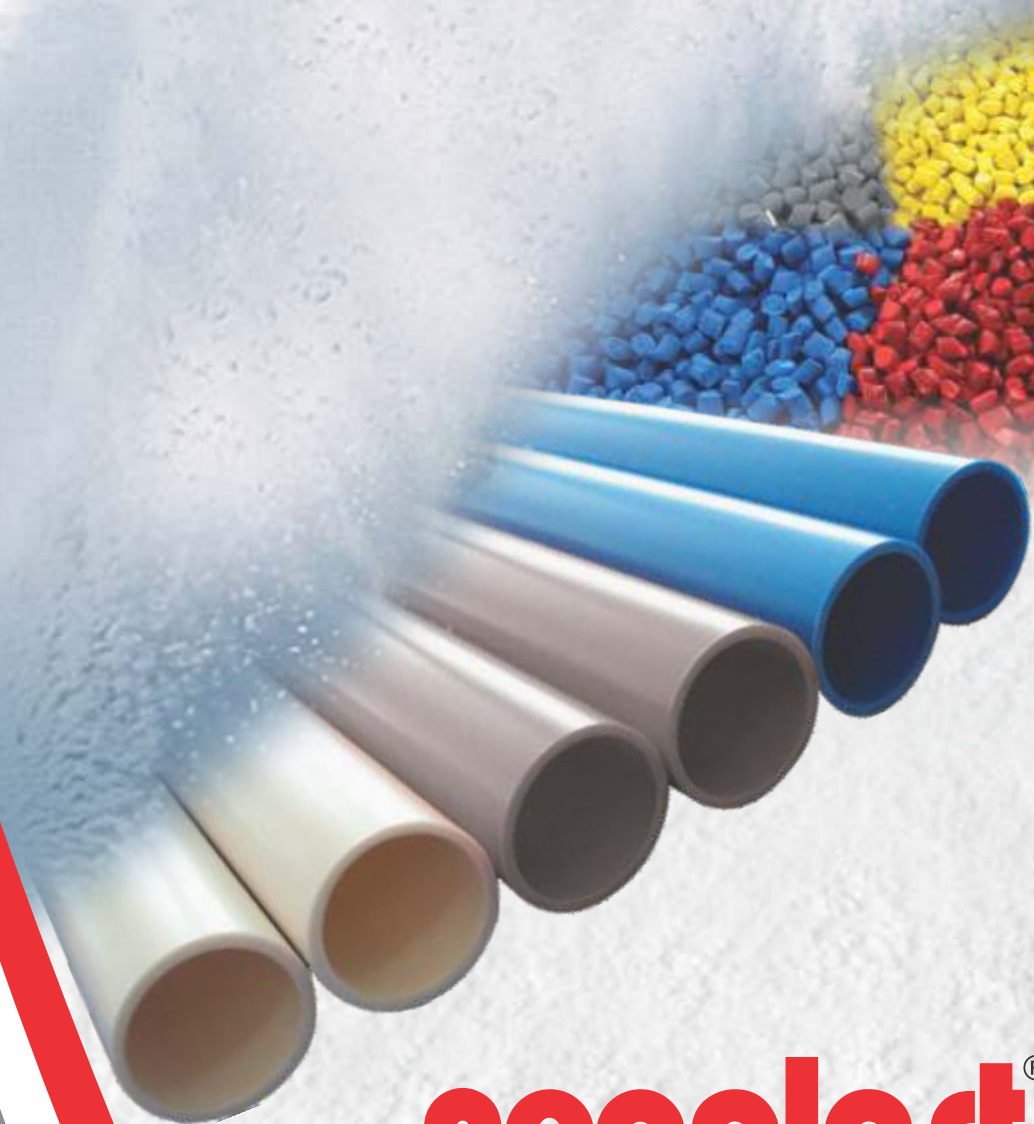


OBSESSED WITH QUALITY
SINCE
1973

HIGH INTENSITY MIXERS WITH RAW MATERIAL HANDLING SYSTEMS



neoplast[®]

People you can believe



www.neoplastindia.com

neoplast ...the art of perfection since 1973

Since 1973, Neoplast is known as the reliable and efficient partner in plastic industry. What started as a small structured family-owned enterprise is now acknowledged as most renowned, reputed and reliable partner for the plastic processing machinery in Global market. Neoplast has won its customers continued trust by always providing them with a "perfect solution to their specific requirements", and this has helped Neoplast to emerge as a market leader with about 70% India market share of high intensity mixers.

At Neoplast quality and innovation is a way of life and thus the R&D is given a much due importance. The company has a dedicated team of professionals that has been instrumental in this success. However, it is Neoplast's customers, who have the greatest share in its success. Their trust in getting the perfect solution for their specific requirements and their confidence in Neoplast's state-of-the-art technology has made Neoplast what it is today.

Last but not the least...Neoplast is committed to work towards its goal, that of attaining global leadership in the manufacturing of machinery and equipment for the plastic industry.

Why neoplast ?

High Speed Heater Mixer



- Efficient production without cross-contamination and free from moisture.
- Economic operation with lowest compounding cost as low as 0.04 unit per kg.
- Lower scrap rates in the extrusion due to consistence quality of the dryblend.
- Compact space-saving system with the highest specific throughput; upto 8 batches / hour with automation
- Excellent dispersion of the additives.
- High efficiency even with higher calcium loading.

- Perfect height to dia ratio of vessel.
- Precise peripheral speed of mixing tool.
- Least down time, so pay back period is higher
- Unmatched pneuma seal Technology.
- Proper design of impeller.
- Computerized balancing of rotating parts.
- Best quality material of all key components.
- Unique design of bottom & discharge valve.
- Very prompt after sales services.
- Experience of manufacturing highest number of high speed mixers.

Cooler Mixer



neoplast Offers

- High Intensity Mixers : 10 liters to 2000 liters.
- Single Bag / Jumbo Bag (FIBC) Discharging Station.
- Vacuum Conveying / Pressure Conveying System.
- Automatic Weighing System-for Powder & Liquid.
- Liquid Metering System-Volumetric / Gravimetric
- Anti Dusting / Degassing System.
- Close Sieving System.
- Storage Silos, Bins and hoppers.
- Hopper Loaders.
- Computerized Plant Automation System.



Automated Compounding Plant



neoplast MAKE MATERIAL HANDLING SYSTEMS ENSURES :

- Contamination free handling of all raw material.
- Reduce spillages of costly raw material, Man hours and Labor cost.
- Moisture free compound.
- Effective utilization of total plant capacity leads to improve productivity.
- Less Human Involvement leads to less human errors.
- Total recipe management is viewed with automization.
- Effective utilization of raw material and dry bend leads to increase overall plant capacity.

Single Bag / Jumbo Bag Feeding Station



- Provision of feeding 25kg bag / Jumbo bag.
- Aspiration system Incorporated for dust free environment.
- Easy handling of jumbo bag with work lift or crane.
- Easy opening of big bags (FIBC) with liner Protection screen.
- Easy to connect with vacuum conveying system.
- Conical bottom for anti-bridging of feed material.
- Pneumatically operated sack discharge with bag rest hood, emptying flap, low level probe and fan assisted dust catcher.

One Pack Storage System



- Stabilizer One pack storage with screw dosing device driven by A.C. Variable Frequency Drive.
- M.O.C : S.S. 304 easy to clean and easy to open type design.
- Adjustable screw speed to control coarse feed and fine feed to weight system.

Vacuum Conveying System



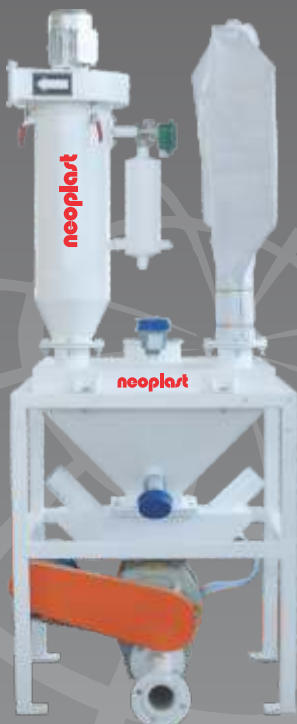
- Suitable to transfer up to 3000 kg/Hr.
Conveying Distance: 3 to 30 meters with long radius bends.
- Automatic filter bag cleaning system by reverse jet arrangement.
- PTFE coated antistatic cylindrical cartridge filters, easy for cleaning
- Compressed fresh air externally provided with sequence timer which keeps the system clean and maintains conveying efficiency.
- The Batch receiving hopper with vibrator for free flowing feeding, level sensors, proximity switches and pneumatically actuated discharge valve for feeding to heater mixer.

Aspiration Systems



- The Aspiration System can be connected to Heater Mixer, Cooler Mixer & Pressure Conveying System Directly.
- This vacuum unit is connected with the system in order to remove moisture content from PVC Resin as well as from the additives. This system is designed to extract volatiles and harmful gas like monomer.
- During mixing process, the temperature of the product mix gets elevated due to friction at the same time chlorine gas is also liberated, which is efficiently removed by vacuum. This will help to control VCM content in PVC Dry blend.
- This system also helps to reduce odor generated due to addition of metal stabilizer, plasticizer and other additives.
- This system reduces build up or settling of mixing powder on the heater mixer lid. This will eliminate contamination mixing into dry blend during discharge from heater mixer.
- This system also helps in processing of thinner sensitive finish products like PVC Film, Cables, Hoses, Tubes, Thin Wall pipe etc...

Pressure Conveying System



- This Ideal solution to convey PVC Compound from Cooler Mixer to storage Silo.
- Material is fed to Storage Silo from source, as per Customized distance (Vertical + Horizontal).
- Least dusting by latest technology.
- Level Probes for ensuring of emptiness of the silo.
- State of art electric control panel.

Storage Silos, Bins & Hoppers



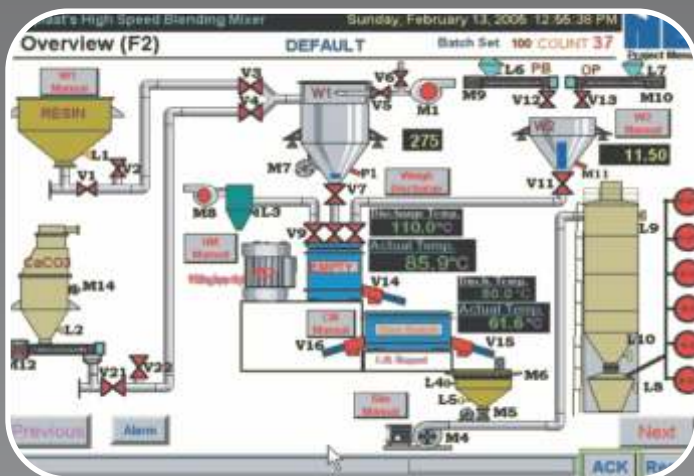
- Made from SS:304 or Aluminum with storage capacity 10 tons to 50 tons with silo weight monitoring system.
- Facilitates raw materials storage in dust free & static free environment. indoor or outdoor erection possible.
- Silo feeding from jumbo bag / 25Kg resin bag can be provided by pressure conveying system.
- Multiple Processing lines feeding from silo can be provided by Vacuum conveying system.

Hopper Loader



- Material is conveyed to extruder from Silo, Mixer or any other Storage Source from any distance.
- Various models to suit your extruder capacity.
- Least dusting and complete cleaning of conveying pipe line.
- Level probes for ensuring emptiness of material from Silo.
- PLC operated state of the art electric control panel.

Computerized Plant Automation System



- Easy Control on Production, Planning, Supervision and inventory control with process recipe management.
- Complete automation, right from the Jumbo bag feeding station to feed multiple processing lines, with computerized control.
- Daily, weekly or monthly reports of total production, raw material consumption or break down can be easily viewed online from any location.
- Integrated malfunction message system with option for manual operation.

High Speed Heater Cooler Mixer Combination - Vortex Series



Masterbatch



Mineral Coating



Pre-Mixing of Pigments



PVC Compounding



Polyolefin Mixing

Sr. No.	Model	Batch Capacity (Kg / Batch)	Main Drive - HM (kW)	Main Drive - CM (kW)
1	HSM 10 - CM 40	3	3.7	0.75
2	HSM 50 - CM 150	15	7.5	1.5
3	HSM 130 R - CM 400	40	15	3.7
4	HSM 130 - CM 400	40	18.5	3.7
5	HSM 200 R - CM 400	65	30	3.7
6	HSM 200 - CM 400	65	37	3.7
7	HSM 250 R - CM 600	90	37	5
8	HSM 250 - CM 600	90	45	5
9	HSM 350 R - CM 1000	120	55	7.5
10	HSM 350 - CM 1000	120	75	7.5
11	HSM 500 - CM 1500	200	110	11
12	HSM 500 - CM 2000	200	110	15
13	HSM 750 - CM 2000	300	132	15
14	HSM 1000 - CM 2500	400	200	30
15	HSM 1200 - CM 3000	500	250	37
16	HSM 2000 - CM 6000	1050	450	75

• HSM- Heater Mixer • CM - Cooler Mixer

Master Batch Mixers - MB Series

Sr. No.	Model	Batch Capacity (Kg / Batch)	Main Drive - HM (kW)	Tool Speed (RPM)
1	HSM 50 MB	15	7.5	500 / 1000
2	HSM 130 MB	40	18	500 / 1000
3	HSM 200 MB	65	38	500 / 1000
4	HSM 250 MB	85	45	450 / 900
5	HSM 350 MB	120	75	800
6	HSM 500 MB	200	110	750
7	HSM 750 MB	300	132	600
8	HSM 1000 MB	400	200	600
9	HSM 1200 MB	500	250	600

- Specifications are indicative and as a part of our continuous R & D, we reserve right to change specifications without prior notice.
- For customized application the specifications can be altered.
- Output depends on type of material, formulations, processing parameters or ambient conditions.
- Main drive rating of mixers are for general purpose applications.

neoplast

Engineering Pvt. Ltd.

Unit:1

Plot No.43, GIDC, Industrial Estate,
Phase-I, Vatva, Ahmedabad-382445
Phone No.: +91-79-40304184/85/86/87/88

Corporate Address

A-7, 2nd floor, Safal Profitaire, Corporate Road,
Nr. AUDA Garden, Ahmedabad - 380015
Phone No.: 079-40194030 (4 Lines),

Unit: 2

Plot No.138, Chacharvadi Vasana,
Nr. Divya Bhaskar Press,
Sarkhej-Bavla Road, Ahmedabad-382213
Phone No.: +91-2717-294083

E-mail: info@neoplastindia.com | Web: www.neoplastindia.com