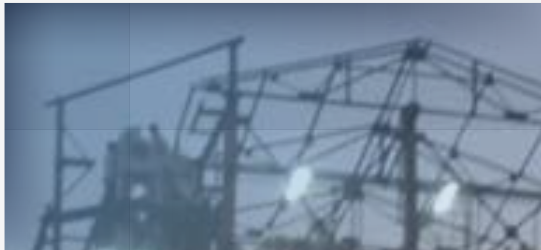




**WHIRLWIND CORPORATION**



**WHIRLWIND PROJECTS**



***The Industrial Choice***

# ***BUILDING MATERIAL SOLUTIONS:***

## ***Dry mix***

Dry Mix has successfully been used in Europe since early 20th century and is now amongst the popularly used wall building materials in Europe with rapidly growing market share in many countries especially in South East, Middle East, Asia, Europe and America. The need of the hour is to have faster work, so that the speed of construction is maximized. Infrastructure growth is in-fact the priority. Ready to use value added products for construction are fast catching up.

The services offered by us include Detailed Engineering, Equipment manufacture and supply, Product formulation, Lab set up, Raw material selection, Packaging solutions, Erection and Commissioning, Training and finally Plant startup assistance.

A whole range of products like Tile Adhesives, Grouts, Jointing Mortars, and Plasters Etc can be manufactured from the single plant.

### ***Products:***

- JOINTING MORTAR
- TILE ADHESIVES
- WALL PUTTY
- WATERPROOFING AIDS
- GROUTS
- LEVELLING PLASTER

## ***Sand Plant***

Artificial sand is a better alternative solution for natural river sand to protect the natural sand for balancing the nature and society. Nowadays construction industries are booming day by day thus artificial sand is required by construction companies for new building constructions.

One complete sand making plant is always made up of vibrating feeder, jaw crusher, impact crusher, vibrating screen, and sand washing machine.





# ***PNEUMATIC CONVEYING, WEIGHING - BATCHING, MIXING, PACKING SOLUTIONS:***



From pebble lime to peanuts, from coal to baby powder - and everything in between – pneumatic conveying has long been a popular choice for moving bulk materials, either from storage facilities to a process unit, or between process units. Two most distinct categories of pneumatic conveying can be described as either dilute-phase or dense-phase systems. These have been developed over the past few decades to take advantage of the different behavioral properties of bulk materials and also to meet the increasingly demanding requirements of industry in the areas of system reliability, product quality control and energy efficiency.

Pneumatic conveying systems are basically quite simple and are eminently suitable for the transport of powder and granular materials in factory, site and plant situations.

The system requirements are a source of compressed gas, usually air, a feed device, a conveying pipeline and a receiver to disengage the conveyed product and carrier gas.

With suitable choice and arrangement of equipment, materials can be conveyed from hopper or silo in one location to another location some distance away.

Whirlwind provides equipment for all of your Pneumatic Conveying needs, including Dense Phase Pneumatic Conveying, Dilute Phase Pneumatic Conveying, Central Vacuum Systems, Airslides, Drying Systems, Bag/Drum Filling Systems and Pressure and Vacuum Systems.

## ***AIR POLLUTION CONTROL SOLUTIONS***

An effective air pollution control system is essential in today's industrial landscape because of tightening compliance standards, increased enforcement, and heightened community pressure. As a responsible organization, you are obligated to keep your facility in compliance with current regulations and continuously seek opportunities to reduce your environmental impact.

We at Whirlwind assess your process conditions and compliance requirements to help you meet or exceed your emission control objectives. Based on these assessments, we provide recommendations that will minimize your overall operating costs, while maximizing your productivity and efficiency.

Whirlwind provides equipment for all of your Air pollution control needs, including Dust collectors, wet scrubbers, venture scrubbers, cyclone separators, filters and blowers.



# ***SPECIALIZED EQUIPMENT FOR PHARMACEUTICAL PLANTS***

The pharmaceutical industry has the most precise requirements and manufacturing guidelines in terms of quality. As a result, it is critical that pharmaceutical manufacturing equipment comply with good manufacturing practice (GMP). With the increase in GMP demand world over for pharmaceutical manufacturers and stringent control enforced by validation agencies dust control demand during all operation has become mandatory.

Whirlwind provides equipment's such as Modular dust collector, De-dusting booth and Filter cleaning system.



## ***Other products:***

**1 Screw Conveyors**  
Horizontal screw conveyors, Inclined screw conveyors

**2 Mechanical Conveyors**  
Belt conveyors, Bucket elevators, Drag chain conveyors

**3 Valves**  
Butterfly valves, Slide gate valves, Diverter valves, Pressure relief valve, aeration pads

**4 Feeders**  
Rotary Airlocks

**5 Bag Dump Station**

**6 Centrifugal Fans**

**7 Lime dosing system for steel industries and other application**

**8 Dryers for various pharma and food industries**



Central America

Singapore

Bangladesh

Nepal

Srilanka

Russia

Oman

Kenya

Zambia

Bhutan

Yaman

Indonesia

## Our Clients



## Contact

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# ABOUT US

As the recognized leader in field of industrial bulk material handling equipments, Whirlwind has earned a reputation for quickly adapting to the needs of the industries. Whirlwind had combined years of active research and industry experience to continually find solutions for the most demanding bulk handling equipments and SPMs. We are one of the fastest growing manufacturers of bulk material handling equipments and SPMs. We believe this is due to the “can do” attitude of the Whirlwind Team.

We have been supplying bulk material handling equipments and SPMs to MNCs and medium sized companies that demand high quality equipments with automation and products with innovative features. So whether your application requires a simple centrifugal fan or a complete process solution with automation, we have you covered. No other manufacturer offers more than Whirlwind .... that's why Whirlwind is The Industrial Choice.

## ACHIEVEMENTS & MILE STONE

- 🏆 Built rubber chunk conveying from rubber cutter to reaction tank pneumatically at M/s LG polymers ( Vizag)
- 🏆 Installing raw pigment and guard filter specially designed for titanium dioxide plant with MOC Aluminium and conforming to American Standards at M/s Kerala Minerals and Metals Limited (Kollam Kerala ) Import Substitute.
- 🏆 Executing fly ash handling and dosing system for Magdala cement plant consisting of installing 100Ton dry ash silo at Ukaipower plant with bulk loading facility, Unloading bulk pneumatically and storing ash in 400Ton silo in Magdala cement plant. Dosing fly ash at the rate of 15TPH by a gram metric screw conveyor to cement mill.
- 🏆 Designing, fabricating and installing hot air gas cooler and bag house for ore kiln @40000M<sup>3</sup>/Hr at M/s Ashapura(Bhuj).
- 🏆 Supplying skid mounted 150kw HAG for drying of pit moulds of paper mill rolls to reduce drying time to 1/4 that M/s L&T (Kanshbal).
- 🏆 Designing, fabricating & installing flash drier system at M/s Bansali Polymers Ltd. Bansali polymers at Chinwara MP , had a system consisting of belt filter and fluidized bed drier with a capacity of 800 Kg/Hr. The belt filter and upstream equipment had higher installed capacity however to increase production the bottle neck was the fluidised bed drier .We were called to provide a solution to increase the installed capacity. As a solution we installed a flash drier between the belt filter and fluidised bed drier having a capacity of 1.2T of water evaporation /Hr. This modification resulted in the capacity increase by 1.8 times.
- 🏆 Installing at turnkey basis Dry Mix Plants at M/s Ever shine Build India PvtLtd Hyderabad & RSA Limited Bhutan.
- 🏆 The most modern guar gum food processing plant at Jhagadia(Gujarat). The entire plant is automated and controlled from a control room. The plant consist of 26 pneumatic conveyor ,10 Drying systems, 8 packing stations. The entire plant is under controlled atmospheric condition, the solution of which have been provided by us. The entire plant is operated from control room with SCADA based PLC system.
- 🏆 Presently we are executing material handling system with crusher, mill and classifier for various grade of sand. The entire system will be controlled through MIMIC panel automated to high level of safety.