
INTRODUCTION

We take this opportunity to introduce **Drytech Engineering System** as one of the leading suppliers of drying equipments and are glad to introduce our product range as follows.

LIST OF OUR PRODUCTS

- 01) Spray Dryer
- 02) Flash Dryer
- 03) Spin Flash Dryer
- 04) Multi Effect Evaporator
- 05) Fluid Bed Dryer
- 06) Hot Air Generator
 - a) Direct Fired Hot Air Generator
 - b) Indirect Fired Hot Air Generator
 - c) FBC Type Hot Air Generator
 - d) Wood Fired Hot Air Generator
- 07) Pollution Control System
 - a) Reverse Pulse Air Jet Type Bag Filter
 - b) Ventury Type Wet Scrubber
- 08) Atomizer
- 09) Blower
- 10) Air Lock Rotary Valve
- 11) Electro Magnetic Hammer
- 12) Shell & Tube Type Heat Exchanger

DRYTECH ENGINEERING SYSTEM

Plot no - 5/1/B, Panchratna Industrial Estate, Nr. Ramol-Vatva Over Bridge, Phase-IV, Vatva GIDC, Ahmedabad-382445.

M. : +91-98986 82370, 7383826629 | **E-mail :** info@drytechengg.com | **Web. :** www.drytechengg.com

SPRAY DRYER

Spray dryers are primarily used for drying of solutions and slurries into powders. We are offering plants for a variety of applications ranging from heat sensitive products like enzymes, blood, flavours, to regular products like plant and animal extracts, milk, food and pharmaceutical applications, dyes and chemicals, detergents, catalysts to heat resistant products like ceramics, inorganic salts, glass and metals etc.

Depending upon the end product requirement there are different designs like rotary atomizer, pressure nozzle tower or two fluid nozzle type spray dryer.

All plants are tailor designed taking into account special needs of the application to deliver the optimum performance.



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Drying Solutions

FLASH DRYER

These equipments are used to dry moist powders. Air is heated to pre desired temperatures and introduced on the wet feed; heat is used for drying and the air for pneumatically conveying the dry powder, which gets collected into cyclones and bag filter.

This is a system in which the product to be dried is fed by means of screw conveyor in to the flash drying venturi. The high velocity drying air passes through the venturi comes in contact with the feed product and accelerates the product through the drying duct. The entire drying process taken place while the product travels through the duct and the dried product is separated from the air by a high efficiency cyclone separator and Bag filters.

Flash dryers are the most economical for drying solids that have been de-watered or inherently have a low moisture content. Also known as "pneumatic dryers," they are the simplest gas suspension dryers with the smallest footprint. A single operation provides mixing, heat transfer, and mass transfer to dry a solid. Residence time within the dryer is very short, usually less than three seconds, producing almost immediate surface drying.



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SPIN FLASH DRYER

These equipments are used to dry moist powders and wet cakes. Spin flash dryer has a disintegration system to crush the wet cake and enable drying. Rests of its features are same to that of flash dryer. Air is heated to pre desired temperatures and introduced on the wet feed; heat is used for drying and the air for pneumatically conveying the dry powder, which gets collected into cyclones and bag filter.



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EVAPORATOR

Multi stage evaporators, Falling film, Forced circulation, Natural circulation and Hybrid types are offered for a variety of applications. All evaporators are tailor designed to suit application. Requirements in terms of type, design and material compatibility.



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HOT AIR GENERATOR

DIRECT FIRED HOT AIR GENERATOR

We offer the complete range of direct fired hot air generator. The Direct fired air heater is designed for heating the drying air. The air heater is designed with special attention to high thermal efficiency. The air heater consists of annular shell and the heating of the air takes place co current to the flow of flue gases. Our direct fired hot air generators operate up to 800 Deg C.

INDIRECT FIRED HOT AIR GENERATOR

We offer the complete range of Indirect fired hot air generator. The Indirect fired air heater is designed for heating the drying air. The air heater is designed with special attention to high thermal efficiency & Low pressure drop. The air heater consists of annular shell and the heating of the air takes place counter current to the flow of flue gases. Our indirect fired hot air generators operate up to 325 Deg C.

WOOD FIRED HOT AIR GENERATOR

Available with us is a wide range of **Wood Fired Hot Air Generators**, which is manufactured using heat resistant tested plates and high grade tubes. These are horizontal in type and are made in compliance with international quality standards. For our client's convenience, we offer these generators at most reasonable prices meeting their individual requirements.

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ROTARY VALVE



ATOMIZER



BLOWER



BAG FILTER



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