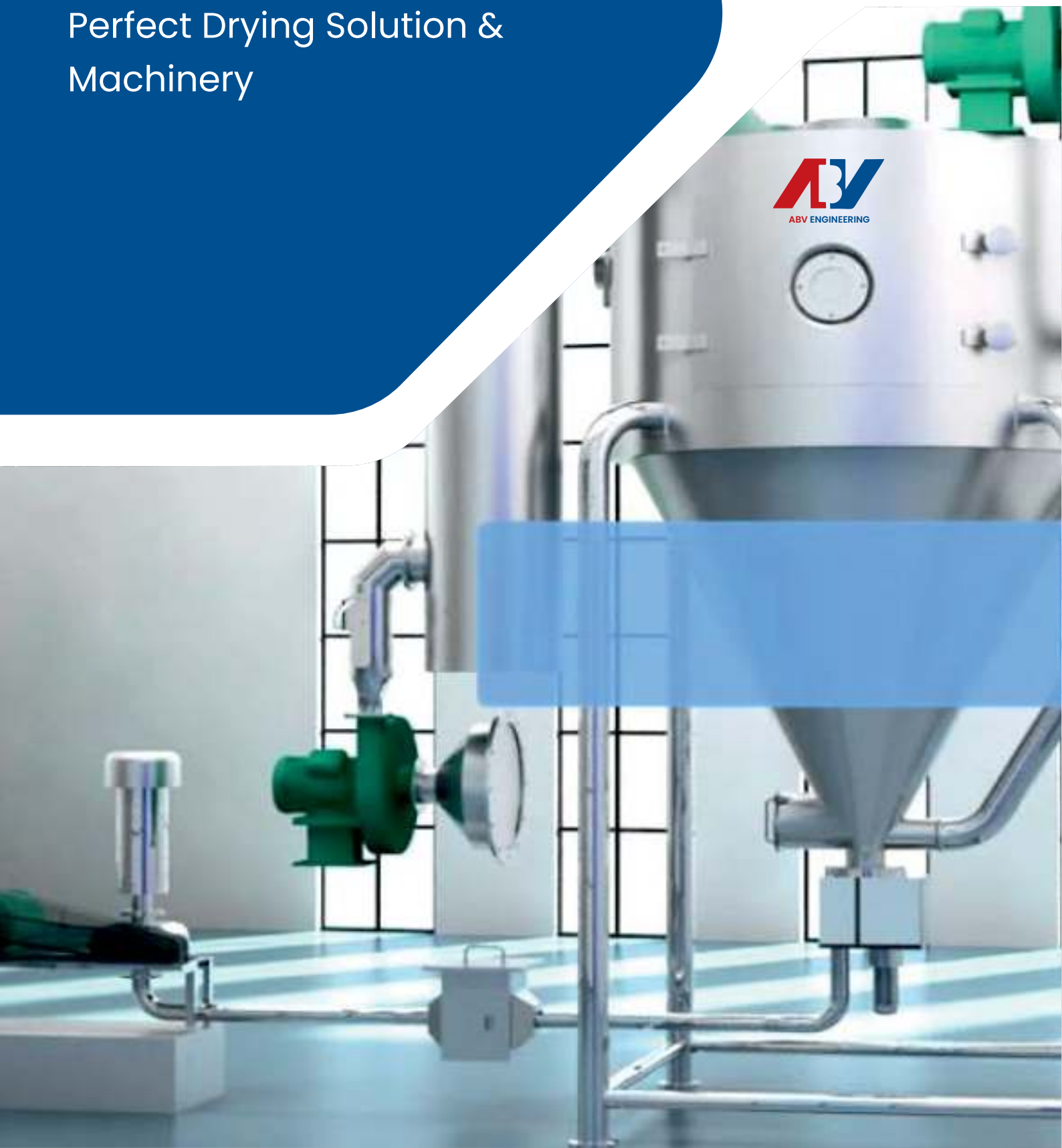


ABV ENGINEERING
Perfect Drying Solution &
Machinery



ABOUT US

ABV is a process engineering company offering an extensive range of projects, equipment and innovative process solutions based on advance technology and a real understanding of customer needs in the Food, Dairy, Beverages and Chemical Industries.

ABV vision is to provide highly energy efficient and cost effective Projects/Equipment for Dairy, Food and Beverage industries across the globe through development of latest technologies by innovative R&D activities.

We understand the need of the customers, who are under increasing economic competitive and regulatory pressures and partner with them to design and deliver the most reliable, efficient and innovative solutions for the process and overall project implementation.

PRODUCTS

Spray Dryer

ABV Spray Dryers are relatively simple in operation which accept feed in fluid state and convert it into a dried particulate form by atomizing the fluid into a hot drying medium.

Atomization is done using high pressure nozzle, high pressure air, two fluid nozzles or centrifugal disc atomizer.

The heating of drying air can be through steam radiator or thermic fluid air heater according to the service conditions available.

Direct or indirect fired hot air generator through oil or gas according to fuel availability with client.

The unique Fines Re-circulation System produces highest quality of agglomerated powder.

Apart from that it also offers Spray Nozzle, Atomizer, Diversion Valve, Blow through Valve, S.S. pipes & fittings.

Applications

- Milk Powder
- Whey Powder
- Ceramic Slurry
- Magnesium Chloride
- Spent Wash
- Herbal Products
- Poly Aluminum Chloride
- Enzymes
- Catalysts
- Calcium Chloride
- Instant Tea
- lots of other products

SPRAY DRYER
NOZZLE TYPE



SPRAY DRYER
ATOMIZER TYPE



Spin Flash Dryer

Spin Flash Dryer is ideal for drying of wet cake, slurry, paste which is normally difficult to dry in other dryers. The material is fed by screw feeder through a variable speed drive into the vertical drying chamber where it is heated by hot air and at the same time disintegrated by a specially designed disintegrator. The heating of air may be direct or indirect depending upon the application. The dry powder is collected through cyclone separator / bag filter or with combination of both.

Applications

- Effluent
- Bleach Clay
- Organic Salt
- H-Acid
- Dye & Dye Intermediates
- Gluten
- Amino Acid
- Pigments
- Starch
- Palm Kernel
- DCP



Vibratory Fluid Bed Dryer

These dryers have a bed of solid particles which are fluidized by passing a stream of air or gas upward through a specially designed perforated sheet. The upward velocity of air is so maintained so as to slightly lift the solid particles and set them in motion. This motion can be utilized to bring about mixing as well as forward movement of the solids, the air or the gas is heated and the heat is utilized to dry the solids. Fines get agglomerated to larger granules particles thus providing large size. A vibratory motor can also be used to provide a mechanical forward motion to fluidized solid particles.



Multi Effect Evaporator

A device used to convert a liquid into its gaseous form using heat energy. In the shell and tube type of evaporators manufactured by us, the heat source is in the shell side and the fluid under evaporation is in the tubes. Depending upon the duty condition, different types of evaporators are offered.

Different Types Of Evaporators

- Falling Film Evaporators
- Force Circulation Evaporators
- Natural Circulation Evaporators
- Hybrid Evaporators



R&D PLANT



- We do R&D and provide an important long-run perspective on the issues that needs the solution.
- We provide easy and powerful solution based on research.
- We believe in providing the best quality solution by doing research and we help in best development to clients.

OUR CUSTOMERS



About ABV Engineering

ABV Engineering is well-established and fast growing engineering company which is founded in 2016.

ABV Engineering has supplied many Spray Dryer plants, Spin flash dryer plants and evaporators for different products.

We have good manufacturing facility with 600 Sq. ft. area in Ahmedabad's Oldest City - Vatva.

We have in-house pilot plant facility for Spray dryer and Spin Flash dryer.

We also do modifications of the old plants and provide consultancy to the clients.

CONTACT US

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