

Global Spin Flash Dryer Market Research Report 2019-2023

<https://marketpublishers.com/r/G4BD52936B2EN.html>

Date: May 2019

Pages: 152

Price: US\$ 2,850.00 (Single User License)

ID: G4BD52936B2EN

Abstracts

A spin flash dryer produces powder from feed, which is viscous or gelatinous in nature, paste or filter cake. The two step process involves disintegration of the feed and drying of the disintegrated feed. Depending upon the nature of the feed material, conventional arm design could be used for crystalline, non-sticky material engineered rotating spin design disintegrator could be used to handle sticky and gelatinous materials.

The increase in demand of food is main factor to fuel the growth for the spin flash dryer market, the food challenge requires a serial speed process in food production and food processing, according to report, the global pin Flash Dryer market is expected to grow at a CAGR of 6.2% over 2017-2021.

Base on type, the spin flash dryer can be segmented into Rotary Atomizer Type Spray Dryer, Nozzle Atomizer Type Spray Dryer, Fluidized Spray Dryer, Closed Loop Spray Dryer, according to research, the rotary Atomizer Type Spray Dryer accounted the largest share in the market.

The feed system consists of a feed vat where a discontinuous flow of product is buffered and fragmented by an agitator prior to continuous drying. A variable speed feed screw (or pump in the case of fluid feed) forwards the product to the drying chamber.

The rotor at the conical base of the drying chamber fluidizes product particles in a drying-efficient hot air flow pattern in which any wet lumps are rapidly disintegrated. Hot air is supplied by a temperature-controlled air heater and speed-controlled fan, entering the drying chamber at a tangent in order to establish a turbulent, whirling air flow.

Powder from the drying chamber is collected in bag filter, while the outlet airleaves the system at the top via suction fan.

Global top manufacturers operating in Spin Flash Dryer market are SPX Flow Technology, AcmeFil, Jiangsu Yutong Drying Engineering, Singhasini, Aditya Engineering, Changzhou Xingyu Drying Equipment, Ankita Technologies, HYDRO SPRAY TECH among others.

Spin Flash Dryer Report by Material, Application, and Geography – Global Forecast to 2023 is a professional and comprehensive research report on the world's major regional market conditions, focusing on the main regions (North America, Europe and Asia-Pacific) and the main countries (United States, Germany, United Kingdom, Japan, South Korea and China).

The report firstly introduced the Spin Flash Dryer basics: definitions, classifications, applications and market overview; product specifications; manufacturing processes; cost structures, raw materials and so on. Then it analyzed the world's main region market conditions, including the product price, profit, capacity, production, supply, demand and market growth rate and forecast etc. In the end, the report introduced new project SWOT analysis, investment feasibility analysis, and investment return analysis.

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