

Global Closed Loop Spray Dryers Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Closed Loop Spray Dryers market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Closed Loop Spray Dryer is a specialized type of drying system that is designed to dry products in a solvent-based solution. This spray dryer uses inert gases (such as nitrogen) or air as the drying medium, and the gas circulates within the dryer, hence it is referred to as a closed-loop system. Inert nitrogen reduces the risk of explosions or fires caused by solvent vapor heating. After drying in the drying chamber and passing through a bag filter, the solvent vapor is transported along with nitrogen through a pre-cooler and condenser to recover the solvent. The solvent-free gas is then heated and recirculated back into the drying chamber.

This report is a detailed and comprehensive analysis for global Closed Loop Spray Dryers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Closed Loop Spray Dryers market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Closed Loop Spray Dryers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Closed Loop Spray Dryers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Closed Loop Spray Dryers market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Closed Loop Spray Dryers

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Closed Loop Spray Dryers market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Griffin Machinery, Spray Tech Systems, Freund, AcmeFil Engineering Systems Pvt Ltd., NTE Process Srl, Labultima Process Technologies Pvt. Ltd., Shanghai Pilotech Instrument & Equipment Co., Ltd., LABOAO, KODI, Jiangsu Xiandao Drying Sci-Tech Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Closed Loop Spray Dryers market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This

analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Air Drying

Nitrogen Drying

Market segment by Application

Foods

Chemicals

Pharmaceuticals

Others

Major players covered

Griffin Machinery

Spray Tech Systems

Freund

Acmevil Engineering Systems Pvt Ltd.

NTE Process Srl

Labultima Process Technologies Pvt. Ltd.

Shanghai Pilottech Instrument & Equipment Co., Ltd.

LABOAO

KODI

Jiangsu Xiandao Drying Sci-Tech Co., Ltd.

Zhiheng Drying Equipment

Changzhou Jinqiao Spray Drying and Engineering Co., Ltd.

Hjchem

Changzhou Ruide Drying Engineering Technology Co., Ltd

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Closed Loop Spray Dryers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Closed Loop Spray Dryers, with price, sales quantity, revenue, and global market share of Closed Loop Spray Dryers from 2020 to 2025.

Chapter 3, the Closed Loop Spray Dryers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Closed Loop Spray Dryers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Closed Loop Spray Dryers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Closed Loop Spray Dryers.

Chapter 14 and 15, to describe Closed Loop Spray Dryers sales channel, distributors, customers, research findings and conclusion.

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