

Jet Mill Market Report by Type (Fluidized Bed Jet Mill, Spiral Jet Mill, and Others), Capacity (Less than 200 kg/h, 201 to 1000 kg/h, More than 1000 kg/h), End Use Industry (Chemical Industry, Pharmaceutical Industry, Mineral Industry, and Others), and Region 2024-2032

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Abstracts

The global jet mill market size reached US\$ 152.9 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 208.5 Million by 2032, exhibiting a growth rate (CAGR) of 3.4% during 2024-2032.

Jet mill refers to a pulverizing equipment used for grinding and reducing particles to minuscule sizes. It is used for reducing the particle size of friable and brittle materials, such as agrochemicals, medicinal drugs, organic and inorganic pigments, synthetic dyes and polymers. Jet mills utilize highly pressurized and compressed air, gas or steam to generate velocity collision between the particles of the substance. They are commonly available in spiral and fluidized bed variants and are also used for blending fine powders. Jet mills offer various benefits, such as minimal or no moving mechanical components, convenient component cleaning and production of very fine particle dimensions. As a result, they find extensive applications across various industries, including agriculture, chemical, pharmaceutical and food and beverage.

Jet Mill Market Trends:

The increasing demand for premium skincare and cosmetic products among the masses is one of the key factors driving the growth of the market. Product manufacturers use jet mills to grind crystalline and temperature-sensitive materials to provide a fine and smooth texture to the cosmetic products. Moreover, the widespread product adoption in the pharmaceutical industry is providing a thrust to the market growth. Jet mills are extensively used for processing pigments and micronizing drugs to

enhance the bioavailability and potency of medicinal compounds. In line with this, the increasing utilization of fluidized bed jet mills for vertical and cylindrical milling of hard materials is also contributing to the growth of the market. They are also utilized in the agriculture industry for the production of superfine pesticide formulations and seed powders that aid in preventing soil contamination. Other factors, including rapid industrialization, especially in the developing economies, along with the rising product demand in the mining industry, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global jet mill market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, capacity and end use industry.

Breakup by Type:

- Fluidized Bed Jet Mill
- Spiral Jet Mill
- Others

Breakup by Capacity:

- Less than 200 kg/h
- 201 to 1000 kg/h
- More than 1000 kg/h

Breakup by End Use Industry:

- Chemical Industry
- Pharmaceutical Industry
- Mineral Industry
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific

China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Erich NETZSCH GmbH & Co. Holding KG, Fluid Energy Processing & Equipment Company, FREUND Corporation, Hosokawa Micron Corporation, Kunshan Unique Machinery Co. Ltd., Kurimoto Ltd., Loesche GmbH, Midas Microtech Engineering Private Limited, Promas Engineers Private Limited, Tecnologia Meccanica and The Jet Pulverizer Co. Inc.

Key Questions Answered in This Report

1. What was the size of the global jet mill market in 2023?
2. What is the expected growth rate of the global jet mill market during 2024-2032?
3. What are the key factors driving the global jet mill market?
4. What has been the impact of COVID-19 on the global jet mill market?
5. What is the breakup of the global jet mill market based on the type?
6. What is the breakup of the global jet mill market based on the end use industry?
7. What are the key regions in the global jet mill market?
8. Who are the key players/companies in the global jet mill market?

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