Jet Mill Market Soars to $185.7 Million: Navigating Particle Precision, Fueled by Industry Demand and Advancements"

Jet Mill Market Global Opportunity Analysis and Industry Forecast 2027

WILMINGTON, DELAWARE, UNITED STATES, November 20, 2023 /EINPresswire.com/ -- In a recent report titled "Jet Mill Market Type and End User Industry: Global Opportunity Analysis and Industry Forecast, 2020–2027," Allied Market Research forecasts that the global jet mill market is poised to reach $185.7 million by 2027, exhibiting a noteworthy CAGR of 4.9% from 2020 to 2027. In 2019, Asia-Pacific led the market, commanding a substantial 40.0% share in terms of revenue.

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Driving Forces and Market Dynamics: The jet mill industry is primed for significant growth during the forecast period, propelled by escalating demand from key end-user sectors such as pharmaceuticals, chemicals, and food & beverages. The surge is attributed to the increasing necessity for downsized chemicals and materials, spurred by advancements in pharmaceutical drugs and cosmetics.

Jet milling, a primary particle size reduction process, deploys compressed, high-pressure air to create high-velocity collisions between material particles, effectively reducing their size. Widely employed in chemical, polymer, ceramic, and related industries, jet mills excel at grinding friable material prone to breaking into smaller pieces. The resulting average particle size from jet mills typically ranges between 1 and 10 microns.

Pandemic Impacts: However, the COVID-19 pandemic cast a shadow on the jet mill market, causing disruptions due to halted international trade, extended lockdowns, and suspended manufacturing processes. Major end-user manufacturing companies in countries like the U.S., China, Germany, and the UK faced financial impacts due to halted production, presenting challenges to the growth of the jet mill market in 2020.

Asia-Pacific Dominance and Growth: Asia-Pacific emerges as the key contributor to jet mill market trends, with China and Japan spearheading jet mill production. These nations focus on manufacturing highly advanced and cost-effective machines. The growing demand for jet mills in developing nations within Asia-Pacific, particularly in the food & beverages, pharmaceuticals, chemical, and other manufacturing industries, is anticipated to drive market growth.

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Segmentation Insights:

End User Industry: The chemical segment commands a significant market share, driven by heightened demand for abrasives and chemicals. Additionally, the rise in focus on 3D printing technologies propels the demand for micron-sized particles achievable through jet mills.

Type: The market is categorized into spiral jet mill, flat jet mill, opposed jet mill, target jet mill, and fluidized bed opposed jet mill. The "others" segment dominated the jet mill market share in 2019.

Regional Overview: Asia-Pacific retained the largest market share in 2019 and is expected to grow at the fastest rate throughout the forecast period.

Key Players: Leading players in the jet mill industry include Erich NETZSCH GmbH & Co. Holding KG, Fluid Energy Processing and Equipment Company, Freund, Ltd., Hosokawa Micron Corporation, Kurimoto, Ltd., Promas Engineers Private Limited, Shandong Alpa Powder Technology Co., Ltd., The Jet Pulverizer Company, Inc., Kunshan Unique Machinery Co., Ltd., and Midas Microtech Engineering Private Limited.

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Key Findings of the Study:

The "others" segment dominated the jet mill market share by type in 2019.

The "others" segment also garnered a major share of the market by end user industry in 2019.

Asia-Pacific led the market analysis in 2019.

The jet mill market's journey reflects a trajectory of innovation, industry demand, and resilience, poised for continued growth in the coming years.

David Correa
Allied Market Research
+ +1 800-792-5285
email us here
Visit us on social media:
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