

Powder Processing Equipment Market was valued at \$4.5 bn in 2020 & is projected to reach \$7.9 bn by 2032, CAGR of 5.1%

market is poised for substantial growth, driven by increasing industrial applications, technological advancements, and rising demand for powder-based products

WILMINGTON, DE, UNITED STATES, March 19, 2025 /EINPresswire.com/ -- The global [powder processing equipment market](#) has witnessed significant growth over the years, with its valuation reaching \$4.5 billion in 2020. Projections indicate that by 2032, this market will expand to \$7.9 billion, growing at a compound annual growth rate (CAGR) of 5.1% from 2023 to 2032. This growth is largely driven by increasing demand for powder-based products across diverse industries, including pharmaceuticals, food and beverages, chemicals, minerals, and cosmetics. Powder processing equipment plays a critical role in facilitating precise and efficient material handling, processing, and transformation for applications such as mixing, blending, grinding, granulation, drying, sieving, and packaging.

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Expanding Industrial Applications Powder processing equipment has become a crucial component in various industries. The pharmaceutical sector, for example, heavily relies on this machinery for tablet formulation and drug blending. Similarly, the food and beverage industry utilizes powder processing for producing dairy powders, protein supplements, and instant beverages.

Advantages of Powder-Based Formulations Powder-based products offer several benefits, including extended shelf life, ease of handling, and lower transportation costs. These factors have led to an increased adoption of powder processing techniques across industries.

Technological Advancements Continuous innovation in powder processing equipment, such as automated control systems and energy-efficient designs, has improved process optimization and

reduced waste, thereby driving market growth.

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High Initial Investment and Maintenance CostsOne of the major challenges in the market is the high cost associated with purchasing and installing powder processing equipment. Small and medium-sized enterprises (SMEs) often struggle to afford such investments, which can hinder market expansion.

Operational and Maintenance ExpensesRegular maintenance, repair, and testing are required to ensure optimal performance and longevity of the equipment. These additional expenses, including labor and spare parts, can increase operational costs and affect profitability.

Supply Chain DisruptionsThe ongoing Russia-Ukraine conflict has impacted the global supply chain, leading to increased shipping costs, container shortages, and port congestion. These disruptions have affected the availability of raw materials and components required for manufacturing powder processing equipment.

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The powder processing equipment market is categorized based on type, technology, end-user industry, and region.

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ClassifiersClassifiers are essential for separating and categorizing powdered materials based on particle size. These machines are widely used in industries such as chemicals, pharmaceuticals, and food processing.

MillsMills are used for grinding, pulverizing, and reducing solid materials into fine powders. They are commonly utilized in material research, pharmaceuticals, and the mining industry.

Rotary DryersThese dryers are used to remove moisture from bulk solids and powdered substances. They are widely applied in the food processing, chemical, and mining sectors.

Others (Mixers and Granulators)Mixing and granulation equipment is crucial for homogenizing and blending powdered materials. These machines ensure uniformity and enhance product quality.

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The classifier segment is projected to be the largest revenue contributor during the forecast period, while the "others" segment (mixers and granulators) is expected to witness the highest CAGR.

Key Equipment Types

Drying Drying equipment is designed to reduce the moisture content of powders, ensuring product stability and longevity.

Heating This technology is used for thermal processing, including roasting, calcining, and melting of powdered materials.

Cooling Cooling equipment is essential for stabilizing powdered materials after processing to maintain their integrity.

Mixing and Blending This technology ensures even distribution and homogeneity of different powdered components.

Market Segments and Growth Projections

The drying segment is expected to generate the highest revenue, while the blending segment is anticipated to have the fastest growth rate during the forecast period.

Key Industry Applications

Food & Beverage Powder processing equipment is widely used for producing dairy powders, instant beverages, and baking ingredients.

Pharmaceuticals The pharmaceutical industry relies on powder processing for manufacturing tablets, capsules, and powder-based medications.

Metal Extraction Equipment for processing metal-containing powders is used in refining and extracting metals from ores.

Mining & Construction Powder processing plays a crucial role in preparing and shaping construction materials.

Market Segments and Growth Projections

The food & beverage sector is expected to be the largest revenue contributor, while the mining & construction segment is projected to witness the highest growth rate.

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The powder processing equipment market is analyzed across four key regions:

North America (U.S., Canada, Mexico)

North America held the largest market share in 2022.

The presence of key industry players and advanced manufacturing facilities drives regional growth.

Europe (Germany, France, Italy, Spain, Rest of Europe)

Europe is a major hub for pharmaceutical and chemical industries, [boosting demand](#) for powder processing equipment.

Asia-Pacific (China, Japan, South Korea, India, Rest of Asia-Pacific)

Rapid industrialization and growing demand for processed foods contribute to market expansion in this region.

LAMEA (Latin America, Middle East, Africa)

LAMEA is expected to exhibit the highest CAGR during the forecast period.

Increasing investments in mining and construction activities fuel market growth.

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Several key players dominate the powder processing equipment market. These companies focus on acquisitions, product launches, and business expansions to enhance their market presence.

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Kemutec

Powder Process Solutions

Hosokawa Micron Corporation

Bepex International LLC

Syntegon Technology GmbH

Ongsun Powder Processing Equipment Co., Ltd.

Sanovo Technology Group

Hänsel Processing GmbH

Charles Ross & Son Company

Guilin Hongcheng Mining Equipment Manufacture Co. Ltd.

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Comprehensive analysis of market trends, dynamics, and opportunities.

In-depth segmentation study to identify growth areas.

Porter's five forces analysis for strategic decision-making.

Regional analysis to highlight market potential in different areas.

Competitive positioning of key market players.

Market Forecast and Growth Projections

Market Size by 2032: \$7.9 billion

Growth Rate: CAGR of 5.1%

Forecast Period: 2020 - 2032

Comprehensive analysis of market trends, dynamics, and opportunities.

In-depth segmentation study to identify growth areas.

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