

Powder Processing Equipment Market Expected to Reach \$7.9 Billion by 2032 | Bepex, Kemutec, Hosokawa, Syntegon, Charles

powder processing equipment market was valued at \$4.5 billion in 2020, and is projected to reach \$7.9 billion by 2032, growing at a CAGR of 5.1%

PORTLAND, UNITED STATES, August 9, 2023 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[Powder Processing Equipment Market](#)," The powder processing equipment market overview was valued at \$4.5 billion in 2020, and is estimated to reach \$7.9 billion by 2032, growing at a CAGR of 5.1% from 2023 to 2032.

Powder processing equipment is integral to industries like pharmaceuticals, chemicals, and food processing. This market is experiencing growth due to the demand for innovative processing methods, such as agglomeration and encapsulation, to enhance product quality and shelf life.

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Powder processing equipment handles, processes, and transforms powdered material in various industries. It includes machinery for mixing grinding, drying, granulations, and packaging powders. This equipment ensures efficiency handling, consistent quality and optimize manufacturing processes for powdered material

In various industries, there is increasing demand for product flexibility and personalization. With the use of powder processing equipment, businesses are combining various ingredients, creating specialized goods, and altering recipes to match the need of individual customers. In addition, the need for versatile and adaptive powder processing equipment market growth is driven by this flexibility. Furthermore, businesses are putting an emphasis on sustainability practices and minimizing their environmental impact. Industries comply with regulation and sustainability goals by using powder processing equipment that uses reduction technique energy efficient technologies, and other green practices.

Additionally, powder processing equipment market size is vital in the preparation and optimization of these powders for 3D printing because they must meet size, shape, and composition requirements. Furthermore, the expanding use of additive manufacturing in

industry is demonstrating the demand for machinery for power processing. In addition, Growing focuses a strong emphasis on environmentally responsible and sustainable granulation methods, moving toward dry granulation in order to use less water and energy. In addition, there is a greater requirement for control release formulations, better followability, and improved handling properties in the chemical, fertilizer, and pharmaceutical industries. Additionally, the use of cutting-edge granulation equipment that can handle a variety of powders, including heat-sensitive materials that need certain granule qualities. Therefore, it is anticipated that these features will fuel powder processing equipment market analysis expansion.

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However, the difficulty of handling and processing some types of powder with challenging properties is a create market limitation for powder processing equipment industry. Some powders are difficult to handle and process because they are very cohesive, prone to clumping, or having poor flowability. These qualities cause problems like clogging of machines, uneven blending, and irregular particle size distribution. In addition, to overcome this obstacle, it is frequently necessary to use specialized tools or add extra phase to the process, which might raise the complexity and expenses. Moreover, the application of powder processing equipment to certain industrial powder formulation constrained by the requirement for specialized equipment or process adjustment to handle challenging powders

Equipment for processing powders is typically expensive to purchase. Additionally, installation and acquisition expenses for specialist machinery may be high, especially for some small and medium-sized firms with limited resources. Additionally, the initial expense could prohibit the usage of contemporary equipment, which might obstruct market expansion. Powder processing equipment also need routine maintenance, testing, and repairs to guarantee optimum performance and lifetime. These maintenance activities have additional labor, spare part, and downtime expenses. A company may also experience issues with high operating costs, particularly if they lack the funding for regular equipment maintenance. As a result, such routine equipment maintenance prevents the market from expanding.

Moreover, owing to the increase in demand from the food and beverage industry, drying equipment for various applications including drying of ingredient, powder and instant food products. In meantime, there will be a continued increase in demand for advanced powder processing equipment as new materials and formulations develop.

Furthermore, the demand for environmentally friendly powder processing equipment market forecast is being driven by an increase emphasis on sustainability and environmentally friendly practices by creating machinery that use less energy product less stress and incorporate green technology like efficient filtration system are renewable energy resources. Hence, such technological advantage provides lucrative opportunities for the growth of the powder processing equipment market share.

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Key Findings of the Study

- The report provides an extensive analysis of the current and emerging trends and dynamics.
- By type, the classifier segment was the largest revenue generator in 2020.
- By On the basis of technology, the drying segment generated the highest revenue in 2020.
- By end user industry, the food beverage segment dominated the market in 2020.
- Region wise, Asia-Pacific is anticipated to dominate the powder processing equipment market trends throughout the study period.

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