

Hammer Mill Market Poised to Hit US\$1.8 Billion by 2032, Reports Persistence Market Research

Demand in metals & mining, food processing, and energy-efficient hammer mills in pharma and chemicals is driving growth.

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/EINPresswire.com/ -- The global [hammer mill market](#) is experiencing steady growth, driven by increasing demand for efficient size reduction equipment across multiple industries. Hammer mills are versatile machines

widely used for crushing, grinding, and pulverizing raw materials into smaller, uniform sizes, facilitating easier processing in downstream operations. The market's expansion is supported by robust industrialization, rising food and feed production, and technological innovations in energy-efficient machinery that reduce operational costs and environmental impact.

According to market estimates, the global hammer mill market is projected to reach US\$1.8 billion by 2032 from US\$1.1 billion in 2025, registering a CAGR of 6.2% during the forecast period. The metals and mining sector leads market demand due to the need for crushing ores and minerals for processing. Meanwhile, the Asia-Pacific region dominates the market geographically, fueled by rapid industrial growth, large-scale mining operations, and expanding agro-processing industries. Countries like China and India are key contributors, where increasing investments in mining, chemical, and food processing facilities are creating sustained demand for efficient hammer mill solutions.

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Key Highlights from the Report

- The global hammer mill market is projected to reach US\$1.8 billion by 2032.



Persistence
Market Research

Market Study On
Hammer Mill Market

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Hammer Mill Market

- Rising demand in metals and mining drives significant market growth.
- Food and feed processing applications are expanding rapidly, increasing adoption.
- Energy-efficient hammer mills are gaining traction in pharmaceuticals and chemicals.
- Asia-Pacific is the leading region due to industrialization and mining expansion.
- Technological innovations and automation enhance efficiency and operational productivity.

Market Segmentation

By Product Type

The hammer mill market is segmented based on product types, each designed to meet specific industrial processing requirements. Gravity discharge hammer mills are widely used for efficient particle size reduction and simple material flow, relying on gravity to discharge the processed material. Pneumatic discharge mills utilize air or gas flow to transport materials, enabling continuous and dust-free operation, which is ideal for sensitive powders. Full circle screen hammer mills offer uniform particle size output by circulating material through a 360-degree screen, enhancing efficiency in fine grinding applications. Horizontal in-feed hammer mills are designed for consistent feed and high throughput, making them suitable for industrial-scale processing. Lump breakers are specialized equipment used to crush large clumps or blocks of raw material before further processing, ensuring smoother downstream operations. The other category includes custom-designed hammer mills and hybrid systems tailored for niche industrial applications.

By Capacity

Hammer mills are also classified by processing capacity, accommodating small-scale to large-scale industrial requirements. Up to 100 kg/h capacity mills are typically used in laboratories and pilot plants for research and small batch processing. Mills with capacities of 100 to 500 kg/h and 500 to 1,000 kg/h cater to small to medium-sized production facilities, offering a balance between throughput and precision. 1,000 to 5,000 kg/h and 5,000 to 10,000 kg/h capacity mills are designed for large industrial operations, such as food processing plants, chemical manufacturing, and mining. Above 10,000 kg/h capacity hammer mills serve high-volume operations, including biomass energy production, large-scale feed mills, and heavy mining applications, where efficiency, durability, and continuous operation are critical.

By End-Use Industry

The end-use industry segmentation highlights the wide applicability of hammer mills across diverse sectors. In agriculture, hammer mills are extensively used for grinding grains, cereals, and fodder to produce animal feed and improve nutrient digestibility. The cosmetics industry employs hammer mills for pulverizing raw ingredients into fine powders used in skincare, makeup, and personal care products. In food and feed processing, hammer mills are vital for grinding cereals, spices, and feed materials to achieve consistent texture and quality. Metals and

mining applications involve crushing ores and minerals to prepare them for downstream processing. Energy and power sectors utilize hammer mills in biomass and waste-to-energy plants for material size reduction. Chemicals and pharmaceuticals industries rely on hammer mills for precise particle size control, ensuring uniformity in chemical reactions and drug formulations. The other industries category includes construction, recycling, and niche industrial applications where hammer mills support material preparation, shredding, and size reduction tasks.

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Regional Insights

Asia-Pacific is the fastest-growing and largest market for hammer mills due to rapid industrialization, increased mining activities, and expanding food processing operations. China and India, in particular, are witnessing high demand as manufacturers modernize their production facilities with advanced, energy-efficient hammer mill solutions.

North America represents a mature market with stable growth, supported by the metals and mining sector, food processing, and chemical manufacturing. The United States and Canada have established industrial bases and stringent operational and environmental standards, encouraging the adoption of modern hammer mill technologies.

Europe continues to hold significant market share, driven by technological advancements and investments in energy-efficient and environmentally sustainable equipment. Countries like Germany, France, and the UK are focusing on precision manufacturing and compliance with stringent regulations, increasing the adoption of advanced hammer mill systems.

Latin America is witnessing moderate growth, supported by mining activities, agriculture, and agro-processing industries in Brazil, Mexico, and Argentina. Government initiatives promoting industrial modernization are expected to boost demand for hammer mills.

Middle East & Africa (MEA) displays emerging growth, primarily driven by mining and industrial development projects. Increasing focus on resource optimization, operational efficiency, and modernization of industrial equipment supports market expansion in the region.

Market Drivers

The hammer mill market is driven by rising demand for size reduction equipment in key industrial sectors such as metals & mining, food and feed processing, and pharmaceuticals. The need for consistent particle size, improved material handling, and enhanced operational efficiency encourages adoption. Additionally, the growing emphasis on energy efficiency and sustainable manufacturing practices has spurred demand for modern hammer mills equipped

with energy-saving features. Expansion of industrial infrastructure, increasing automation, and technological innovations further propel market growth.

Market Restraints

Market growth is restrained by high initial costs associated with large-capacity hammer mills and advanced energy-efficient models, which may limit adoption among small and medium-sized enterprises. Additionally, maintenance requirements and technical complexity of some high-end hammer mills pose operational challenges. Variability in raw material characteristics and operational wear can lead to inconsistent performance, limiting efficiency and increasing downtime. These factors collectively may slow market penetration in price-sensitive and emerging regions.

Market Opportunities

The hammer mill market offers numerous growth opportunities due to technological advancements and increasing industrial applications. The rising focus on energy-efficient and automated milling solutions presents opportunities for manufacturers to offer high-performance equipment with lower operational costs. Expanding use in biomass processing, pharmaceutical production, and chemical manufacturing opens new avenues for market growth. Furthermore, modernization of food and feed processing plants and the growing adoption of smart manufacturing technologies such as Industry 4.0 enable manufacturers to optimize production processes, driving demand for advanced hammer mill solutions.

Company Insights

Key players in the hammer mill market focus on technological innovation, energy-efficient models, and expanding product portfolios to strengthen their presence globally. Companies are also investing in smart manufacturing solutions and automation to enhance operational efficiency and meet diverse industrial requirements.

- Hosokawa Micron Group
- Famsun
- ALPA Powder Technology
- CPM (Charles Ross & Son Company)
- Schutte Hammermill
- William B. Ross & Son Company
- ANDRITZ Group
- Cemotec (NETZSCH Group)
- IKA Werke GmbH & Co. KG
- Broadbent-Johnson Industries

Recent Developments

In 2024, Hosokawa Micron Group launched a new energy-efficient hammer mill with advanced wear-resistant materials for extended service life in the mining sector.

Famsun introduced an automated hammer mill system for food and feed processing, integrating smart sensors for real-time monitoring and operational optimization.

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[Centrifugal Pumps Market](#): The global centrifugal pumps market is set to reach US\$55.7 billion by 2032, fueled by demand for efficient water management and advanced pumping technologies.

[Loader Bucket Market](#): The global loader bucket market is set to reach US\$3.4 billion by 2032, fueled by regulations reducing methane emissions.

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