

Sintered Steel Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

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Abstracts

The Global Sintered Steel Market, valued at USD 23.5 billion in 2023, is anticipated to depict a CAGR of 3.6% from 2024 to 2032. The market expansion is fueled by advancements across key sectors, particularly automotive and industrial. As electric vehicles (EVs) continue to gain traction, there is a growing demand for robust, high-performance materials that can withstand the requirements of electric drivetrains. Sintered steel, recognized for its durability, strength, and cost-efficiency, has become an increasingly popular choice for various components in EVs. In the automotive sector, the shift toward lightweight materials to enhance fuel efficiency and reduce emissions has significantly boosted the demand for sintered steel.

This material offers an ideal balance between strength and weight, enabling the production of lighter components without compromising durability, making it suitable for both conventional and electric vehicles. Additionally, sintered steel is witnessing increased adoption in industrial and electrical applications due to its cost-effectiveness and versatility, which support complex shape formation and high precision. The market is categorized by type into carbon steel, alloy steel, and stainless steel. Carbon steel leads the sintered steel market, accounting for 42.6% of the market share due to its affordability, widespread availability, and adaptability across numerous applications. While stainless steel and alloy steel are appreciated for their superior corrosion resistance and strength, carbon steel's high strength and lower cost make it the favored option, particularly for cost-sensitive industries and high-volume production. By form, the market includes engine components, brake systems, gears & transmission parts, bearings & bushings, and other applications. Gears & transmission parts hold a dominant 48.2% market share in 2023. The durability and cost-effectiveness of sintered steel are highly advantageous for producing these critical components, especially where precision and reliability are essential. While other applications contribute to market growth, gears and transmission parts remain the primary drivers.

In terms of end-use industries, the market is segmented into automotive, industrial, electrical & electronics, and other sectors. The automotive industry generated USD 11.3 billion in revenue in 2023, underlining its position as the largest consumer of sintered steel. The sector's focus on durable, cost-effective materials aligns well with sintered steel's properties, which enhances performance and efficiency. Asia Pacific dominates the market with USD 9.4 billion in revenue in 2023. The region benefits from a vast manufacturing base, a strong automotive sector, and rapid urbanization. Cost-effective production and the availability of raw materials, combined with the rise of EVs and industrial automation, reinforce Asia Pacific's leading position in the global market.

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