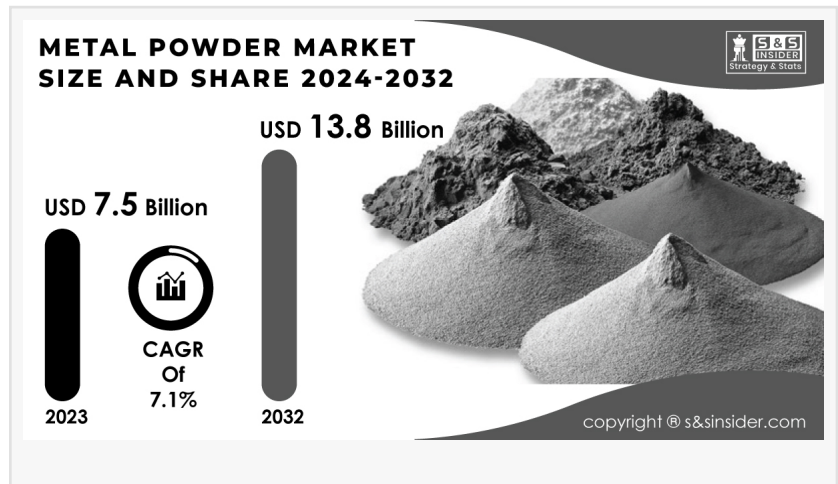


Metal Powder Market to Reach USD 13.8 Billion by 2032 Driven by Rising Demand in Manufacturing and Automotive Sectors

"Metal Powder Market Expands as Advanced Manufacturing Techniques, 3D Printing, and Demand for Lightweight Materials Drive Innovations Across Industries."

AUSTIN, TX, UNITED STATES, November 6, 2024 /EINPresswire.com/ -- The rise in demand for Metal Powder-based beauty and healthcare products continues to accelerate due to advancements in scientific research and increasing consumer awareness about Metal Powder's benefits.



The SNS Insider report reveals that The [Metal Powder Market](#) is experiencing robust growth due to expanding applications in various industries such as transportation, electronics, and healthcare. Metal powders, including iron, steel, aluminum, and copper, play a crucial role in manufacturing processes like additive manufacturing, metallurgy, and powder injection molding. Increasing demand for lightweight materials in the automotive and aerospace sectors to enhance fuel efficiency has boosted the adoption of metal powders in creating high-strength, lightweight components. Additionally, the growth of 3D printing technology, which relies on metal powders for producing intricate and customized parts, is significantly contributing to market expansion. The healthcare industry has also recognized the value of metal powders in producing biocompatible and implantable devices, aligning with a growing trend toward minimally invasive medical procedures. As industrial sectors move toward more efficient and sustainable production methods, the adaptability and versatility of metal powders continue to position them as an essential resource across numerous applications.

What is the growth of the Metal Powder market?

The Metal Powder Market Size was valued at USD 7.5 Billion in 2023 and is expected to reach USD 13.8 Billion by 2032 and grow at a CAGR of 7.1% over the forecast period 2024-2032. Key factors driving this growth include the rising application of metal powders in automotive and

aerospace for lightweight parts, the surge in demand for 3D-printed metal components, and increased utilization in healthcare for medical devices and implants.

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Top 10 Companies Operating in the Metal Powder Industry Worldwide

1. GKN Powder Metallurgy
2. Sandvik AB
3. Höganäs AB
4. Rio Tinto Metal Powders
5. Carpenter Technology Corporation
6. BASF SE
7. Makin Metal Powders (UK) Ltd
8. Renishaw PLC
9. Allegheny Technologies Incorporated (ATI)
10. American Elements

Which Segment Dominated the Metal Powder Market?

In 2023, the Transportation & Logistics segment dominated the Metal Powder Market with a market share of 35%. This segment benefits from the high demand for lightweight, high-performance metal components in the automotive and aerospace sectors. The drive to reduce carbon emissions and enhance fuel efficiency has led to the integration of metal powders in vehicle parts, such as engine components, gears, and transmission systems, thereby reducing overall weight and improving efficiency. Additionally, metal powders are extensively used in producing durable parts for electric vehicles (EVs), a sector rapidly gaining traction worldwide.

By Raw Material:

- Virgin PET
- Recycled PET

By Type

- Ferrous
- Non-ferrous
- Others

By Application

- Transportation & logistics
- Industrial
- Construction
- Electrical & electronics
- Others

By Production Method

- Physical
- Chemical
- Mechanical

By Compaction Technique

- Cold Compaction
- Hot Compaction

By Metal

- Scrap/Recycled metals
- Ore/Pure metal

By End Users

- Aerospace
- Aviation
- Energy
- Medicine
- Other

Trend Analysis:

The Metal Powder Market is witnessing trends that underscore its relevance in sustainable and advanced manufacturing solutions. As industries push toward efficiency and sustainability, the demand for lightweight, high-performance metal components has surged. The automotive sector, specifically in electric vehicles (EVs), is seeing widespread adoption of metal powders due to their ability to improve battery performance while reducing weight. Additionally, advancements in additive manufacturing, commonly referred to as 3D printing, are making metal powders an essential material for producing complex and customized components across industries. With the healthcare sector increasingly relying on metal powders for creating biocompatible devices and implants, the market is further bolstered by the ongoing innovation in biomedical applications. The alignment of metal powders with these evolving industrial needs is expected to drive continuous growth and application diversification.

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What are the opportunities of the Metal Powder market?

- The ongoing shift toward electric mobility creates opportunities for metal powder applications in battery components, thermal management systems, and lightweight EV parts to enhance performance and energy efficiency.

□ Emerging economies are rapidly industrializing, and with the increased demand for high-quality manufacturing, there is a growing need for metal powders in various sectors such as automotive, industrial, and construction.

Which Region Dominated in the Metal Powder Market?

In 2023, Asia-Pacific dominated the Metal Powder Market in 2023 with a market share of 40%. This region's leadership is attributed to its rapidly expanding automotive and electronics manufacturing sectors, especially in countries like China, Japan, and South Korea. The availability of raw materials, cost-effective production, and government initiatives supporting industrial growth make Asia-Pacific a hub for metal powder manufacturing. Moreover, the adoption of advanced manufacturing techniques, such as additive manufacturing, in these countries is creating substantial demand for metal powders. The ongoing investment in healthcare and biomedical sectors further amplifies metal powder utilization, strengthening the region's position in the global market.

The Metal Powder Market is on a growth trajectory driven by increased demand across automotive, aerospace, electronics, and healthcare sectors. This growth aligns with trends toward sustainability and efficiency, which are being further supported by advancements in additive manufacturing and biomedical applications. Additionally, emerging economies present promising growth avenues as they industrialize and modernize their manufacturing capabilities.

Recent Developments

□ December 2023: Kymera International acquired Metallisation Limited, enhancing its position in global thermal spray applications and solutions.

□ November 2023: 6K Additive acquired Global Metal Powder, supporting its refractory powder production and sustainable development initiatives.

□ October 2023: Sandvik AB announced the acquisition of Buffalo Tungsten, Inc., aiming to strengthen its U.S. market presence and regional manufacturing capabilities.

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we employ a variety of techniques, including surveys, video talks, and focus groups around the world.

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