

Stainless Steel Powder Market by Type (Austenitic, Martensitic, Duplex, Ferritic, Precipitation-Hardening), Manufacturing Process, Application (Powder Metallurgy, Metal Injection Molding, Additive Manufacturing, Other Processes), End-use Industry, and Region - Global Forecast to 2030

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Abstracts

The stainless steel powder market is estimated at USD 0.85 billion in 2025 and is projected to reach USD 1.04 billion by 2030, at a CAGR of 4.2% from 2025 to 2030. The stainless steel powder market is growing fast, driven by strong and increasing demand for engineered components in the automotive, aerospace, medical, consumer electronics, and industrial machinery sectors. With growing adoption of powder metallurgy, metal injection molding, and additive manufacturing for the fabrication of complex, lightweight, and dimensionally precise parts, there is a continued surge in demand for high-quality stainless steel powders. This is further enhanced by the trend toward miniaturized devices, corrosion-resistant components, and advanced performance materials, all of which render stainless steel powders indispensable in next-generation manufacturing technologies and push the overall market growth.

“The metal injection molding segment accounted for the second-largest share of the overall stainless steel powder market in 2024.”

Metal injection molding (MIM) represents the second-largest share in the stainless steel powder market due to its ideal combination of high-volume production, complex geometry capability, and cost efficiency, making it popular across multiple end-use industries.

MIM consumes large quantities of fine stainless steel powders in the manufacturing of small, intricate, high-strength parts for automotive systems, medical instruments, electronics, consumer devices, and industrial assemblies. Due to its near-net-shape capability, with tight tolerances, this technology is of special interest to manufacturers seeking to use a lower-cost yet high-precision alternative to machined or cast components.

“Europe accounted for the second-largest share of the overall stainless steel powder market in 2024.”

The major stainless steel powder producers and atomization specialists in Europe include H?gan?s of Sweden, Sandvik of Sweden, and GKN Powder Metallurgy of Germany, as well as other AM-focused niche suppliers. An established ecosystem of such suppliers feeds high-performance stainless steel powders to strong European industries like automotive, aerospace, medical devices, and industrial machinery. MIM, PM, and metal additive manufacturing are widely implemented in the region, supported by strict quality standards and continuous investment in advanced production technologies. These factors make Europe the second-largest market after Asia Pacific.

This study has been validated through primary interviews with industry experts globally. The primary sources have been divided into the following three categories:

By Company Type: Tier 1 - 40%, Tier 2 - 33%, and Tier 3 - 27%

By Designation: C-level - 50%, Director-level - 30%, and Managers - 20%

By Region: North America - 15%, Europe - 50%, Asia Pacific - 20%, Middle East & Africa - 10%, and Latin America - 5%

The report provides a comprehensive analysis of the following companies:

Prominent companies in this market include H?gan?s AB (Sweden), Sandvik AB (Sweden), Daido Steel Co., Ltd. (Japan), Mitsubishi Steel Mfg. Co. Ltd. (Japan), Shijiazhuang Lide Powder Material Co., Ltd. (China), Carpenter Technology Corporation (US), EOS GmbH (Germany), Outokumpu (Finland), Ametek Inc. (US), ArcelorMittal (Luxembourg), INDO-MIM (India), Fushel (China), Centurion Material Innovation Inc. (China), GKN Powder Metallurgy (England), and Atlantic Equipment Engineers (US).

Research Coverage

This research report categorizes the stainless steel powder market by type (Austenitic, Martensitic, Duplex, Ferritic, Precipitation-hardening), manufacturing process (Gas Atomization, Water Atomization, Other Processes), application (Powder Metallurgy, Metal Injection Molding, Additive Manufacturing), end-use industry (Automotive, Aerospace, Medical & Dental, Consumer Goods, Industrial, Other End-Use Industries), and region (North America, Europe, Asia Pacific, Middle East & Africa, and Latin America). The scope of the report includes detailed information about the major factors influencing the growth of the stainless steel powder market, such as drivers, restraints, challenges, and opportunities. A thorough examination of the key industry players has been conducted to provide insights into their business overview, solutions and services, key strategies, and recent developments in the stainless steel powder market. This report includes a competitive analysis of upcoming startups in the stainless steel powder market ecosystem.

Reasons to buy this report

The report will help market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall stainless steel powder market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Rising demand from aerospace industry, Growing demand for metal injection molding), restraints (High production and process cost), opportunities (Growing demand from additive manufacturers), and challenges (High capital investment and technology barrier) influencing the growth of the stainless steel powder market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and product launches in the stainless steel powder market

Market Development: Comprehensive information about lucrative markets – the

report analyses the stainless steel powder market across varied regions.

Market Diversification: Exhaustive information about services, untapped geographies, recent developments, and investments in the stainless steel powder market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players like H?gan?s AB (Sweden), Sandvik AB (Sweden), Daido Steel Co., Ltd. (Japan), Mitsubishi Steel Mfg. Co. Ltd. (Japan), Shijiazhuang Lide Powder Material Co., Ltd. (China), Carpenter Technology Corporation (US), EOS GmbH (Germany), Outokumpu (Finland), Ametek Inc. (US), ArcelorMittal (Luxembourg), INDO-MIM (India), Fushel (China), Centurion Material Innovation Inc. (China), GKN Powder Metallurgy (England), and Atlantic Equipment Engineers (US)

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