

# Global Nickel-free Austenitic Stainless Steel Powder Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Nickel-free Austenitic Stainless Steel Powder market size was valued at US\$ 18.14 million in 2025 and is forecast to a readjusted size of US\$ 23.26 million by 2032 with a CAGR of 3.7% during review period.

Nickel-free Austenitic Stainless Steel Powder refers to stainless steel powder made from alloys engineered to have an austenitic (FCC) matrix without intentional nickel (Ni) alloying addition (trace Ni may still appear due to scrap/processing). Stainless steel is commonly defined as an iron-based alloy containing 10.5% chromium (and in European-style definitions, 1.2% carbon), where corrosion resistance comes from the chromium-rich passive film.

Upstream, the key inputs are iron units (scrap/virgin), ferrochromium plus alloy additions and nitrogen control during melting/atomization. Powder supply is dominated by atomization routes; suppliers explicitly link inert gas atomization (IGA) to spherical morphology, good flow, and high packing density, which are critical for AM/MIM feedstocks. Downstream, nickel-free austenitic powders are used mainly in Additive Manufacturing (AM) and Metal Injection Moulding (MIM).

In 2025, global sales of Nickel-free Austenitic Stainless Steel Powder reached approximately 2,930 tons, with an average global market price of around US\$ 6,018/ton. Production capacity varies significantly among manufacturers, with gross profit margins ranging from approximately 20% to 40%.

Demand for nickel-free austenitic stainless steel powder is fundamentally driven by a

combination of material safety, corrosion resistance, and manufacturability. In medical devices, wearables, and close-to-skin consumer products, nickel sensitization concerns encourage designers to consider alternatives to conventional nickel-bearing austenitic grades. High-nitrogen and related alloy designs can help retain an austenitic structure while improving strength and corrosion performance, making these powders attractive for precision components and complex geometries. In major producers' publicly listed powder portfolios, nickel-free austenitic grades are typically positioned as specialized offerings rather than commodity stainless powders, reinforcing the niche, premium nature of the segment.

On the process side, this market is more exposed to the cycle of additive manufacturing and metal injection molding. To deliver consistent build quality and densification, powders must meet tight requirements on sphericity, low oxygen, and controlled particle size distribution. As a result, supply tends to concentrate among a limited number of producers with robust atomization capability and quality systems, often supporting multi-spec, smaller-batch deliveries. End users also pay close attention to powder reuse practices, inventory discipline, and batch-to-batch consistency; procurement can soften during inventory corrections, but once a grade is qualified for serial production, repeatability and re-order behavior tend to strengthen.

Over the longer run, the key tailwinds are the convergence of low-sensitization material demand, sustainability preferences, and the push toward more complex, integrated part designs. Medical and consumer applications emphasize contact safety and corrosion life, while industrial and automotive applications value durability in aggressive media and the cost/performance benefits of near-net-shape manufacturing. Suppliers that continue to improve alloy chemistry windows, powder cleanliness, and traceability—especially aligned with high-reliability and regulated end markets—are best positioned to capture premium pricing and expand share within this niche.

This report is a detailed and comprehensive analysis for global Nickel-free Austenitic Stainless Steel Powder market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Nickel-free Austenitic Stainless Steel Powder market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Nickel-free Austenitic Stainless Steel Powder market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Nickel-free Austenitic Stainless Steel Powder market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Nickel-free Austenitic Stainless Steel Powder market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Nickel-free Austenitic Stainless Steel Powder

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Nickel-free Austenitic Stainless Steel Powder market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GKN Powder Metallurgy, Outokumpu, H?gan?s, Sandvik, JFE Steel Corporation, HLPOWDER, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market Segmentation**

Nickel-free Austenitic Stainless Steel Powder market is split by Type and by

Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

High-Nitrogen Grade

Medium-Nitrogen Grade

#### Market segment by Alloy System

Cr?Mn?N System

Cr?Mn?Mo?N System

Other

#### Market segment by Particle Morphology

Spherical Powder

Near-spherical Powder

Irregular Powder

#### Market segment by Application

Medical Devices

Consumer Goods

Additive Manufacturing Functional Parts

MIM Precision Components

Automotive Components

Other

Major players covered

GKN Powder Metallurgy

Outokumpu

H?gan?s

Sandvik

JFE Steel Corporation

HLPOWDER

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Nickel-free Austenitic Stainless Steel Powder product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Nickel-free Austenitic Stainless Steel Powder, with price, sales quantity, revenue, and global market share of Nickel-free Austenitic Stainless Steel Powder from 2021 to 2026.

Chapter 3, the Nickel-free Austenitic Stainless Steel Powder competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Nickel-free Austenitic Stainless Steel Powder breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Nickel-free Austenitic Stainless Steel Powder market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Nickel-free Austenitic Stainless Steel Powder.

Chapter 14 and 15, to describe Nickel-free Austenitic Stainless Steel Powder sales channel, distributors, customers, research findings and conclusion.

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