

Global Manganin 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 Manganin market size was valued at US\$ 589 million in 2025 and is forecast to a readjusted size of US\$ 873 million by 2032 with a CAGR of 5.8% during review period.

Manganin is a precision resistance alloy primarily composed of approximately 84% copper, 12% manganese, and 4% nickel, valued for its extremely low temperature coefficient of resistance, high long-term stability, low thermal electromotive force (EMF) against copper, and excellent electrical resistivity characteristics. It is widely used in precision resistors, shunt resistors for current measurement, electrical instrumentation, metering equipment, strain gauges, calibration standards, aerospace electronics, and industrial control systems. The Manganin supply chain begins with upstream raw materials including refined copper, electrolytic manganese, and nickel metal, which are melted and alloyed under controlled metallurgical processes to produce Manganin ingots. These ingots are subsequently processed through hot rolling, cold drawing, annealing, and precision heat treatment into wire, strip, foil, rod, and sheet forms. Midstream manufacturers further fabricate these materials into precision resistor elements, current shunts, sensing components, and measurement devices. Downstream demand is driven by sectors such as electrical and electronic instrumentation, power distribution systems, smart energy meters, automotive electronics, aerospace and defense equipment, industrial automation, telecommunications infrastructure, and scientific research laboratories, where highly stable and accurate resistance characteristics are critical. In 2025, global Manganin output was about 60,000 tons with 70,000 tons of capacity, average prices of USD 8,000-20,000 per ton, and gross margins around 26%.

This report is a detailed and comprehensive analysis for global Manganin 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 Manganin market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Manganin market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Manganin market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Manganin market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), 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 Manganin

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 Manganin 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 Driver-Harris (USA), Isabellenhütte (Germany), Resistance Alloys (UK), Rudolf Schmid (Switzerland), Ohmalloy Material (China), Tankii Alloy

Material (China), Shougang Gitane New Materials (China), Jiangsu Chunhai Group (China), Jiangsu Xinhua Alloy (China), Gangyan Special Alloy (China), etc.

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

Market Segmentation

Manganin 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

Manganin Wire

Manganin Strip

Manganin Foil

Manganin Sheet

Manganin Rod

Market segment by Electrical Resistivity

0.40?0.43 ???m

0.43?0.47 ???m

0.47?0.52 ???m

Market segment by Application

Electronic

Industrial

Automotive

Others

Major players covered

Driver-Harris (USA)

Isabellenhütte (Germany)

Resistance Alloys (UK)

Rudolf Schmid (Switzerland)

Ohmalloy Material (China)

Tankii Alloy Material (China)

Shougang Gitane New Materials (China)

Jiangsu Chunhai Group (China)

Jiangsu Xinhua Alloy (China)

Gangyan Special Alloy (China)

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 Manganin product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Manganin, with price, sales quantity, revenue, and global market share of Manganin from 2021 to 2026.

Chapter 3, the Manganin competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Manganin 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 Manganin 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 Manganin.

Chapter 14 and 15, to describe Manganin sales channel, distributors, customers, research findings and conclusion.

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