Global Ferro Alloys Market Research Report: Information by Production (Blast Furnace and Electric Arc Furnace), Type (Ferro-Manganese, Silico-Manganese, Ferro-Silicon, Ferro-Chrome, Ferro-Molybdenum, Ferro-Vanadium, Ferro-Tungsten, Ferro-Tungsten, Magnesium Ferro-Silicon, Ferro-Silicon-Zirconium, Ferro-Titanium, Ferro-Boron, and Ferro-Niobium), End-Use Industry (Steel, Construction, Electronics, Automotive & Transportation, and Others) and Region (Asia-Pacific, North America, Europe, Latin America, and the Middle East & Africa) —Forecast Till 2025

The global ferro alloy market is projected to grow at ~5.6% CAGR during the forecast period.

Ferro alloys are iron-based alloys with a high proportion of other elements such as chromium, silicon, manganese, and others. These alloys are mainly used in the production of iron and steel, thus encompass a dominant share in iron and steel industries. Owing to their superior properties such as high tensile strength and excellent durability, these alloys are extensively used in various end-use industries such as automotive, construction and aerospace & defense. Additionally, ferro alloys such as ferromanganese and ferronickel are used in the manufacturing sector to produce jaws of rock crusher, low-carbon steel, high-speed cutting tools on the account of their hardness and high tensile strength at extremely high temperatures.

Ferro alloys, including ferro-chrome, are used to manufacture stainless steel and widely used in the automobile industry for the production of ball bearings, plating bumpers, radiator-grills, and car-fittings. Thus, global steel industries and increasing demand for ferro alloys in the automotive & transportation industries are expected to drive the demand during the forecast period.

Ferro alloys also find applications in several end-use industries such as electronics, metallurgical, healthcare, and oil & gas on account of their reliability and high performance, which is expected to bolster the global demand. Furthermore, the advancement of high strength and lightweight steel grades will offer lucrative opportunities for the key players operating in the global ferro alloys market.

Some of the key trends identified in the market include new product developments for automobile and aircraft applications under the purview of its increasing use in the production of automobile parts. For instance, with the advancement of the technology, a composite of graphene metal is developed, making copper 500 times stronger which can be used to produce lighter and more fuel-efficient automobiles and aircraft. Similarly, a novel product of ferroalloys named master alloy has been developed, which acts as a carrier of nanoparticles liquid steel before casting to compensate for the dilution effect in steel.

Amidst the various advantages of ferroalloys, the global market is challenged by the rising environmental concerns and high energy demands from the steel industries are expected to limit its growth globally.

Global Ferro Alloys Market Share, by End-Use Industry 2018 (%)  
Source: MRFR Analysis  
Regional Analysis  
The global ferro alloys market is analyzed for five major regions, namely, North America, Asia-Pacific, Europe, Latin America, and the Middle East & Africa.
Asia-Pacific is accounted for the largest market share in 2018. The region is expected to showcase a significant CAGR in the foreseen period owing to the augmenting demand of steel for construction activities in the region. China, the global glut of steel products, is the leading country in the region and has shown an increase in its global crude steel production to 51.3% in 2018. India and other Southeast Asian countries are further propelling the market in the region. For instance, according to world steel association, in June 2019 China registered the highest monthly Crude steel production of 87,533 thousand tonnes in the global market.

Additionally, with the growing automotive industries along with the increasing use of ferrochrome in manufacturing various car components such as sprocket assemblies, rods, couplings, crankshafts, and others further augment the market demand in the region. Furthermore, macroeconomic trends such as an increase in disposable income and growing industrialization are some of the major drivers for ferro alloys market in the region is creating lucrative opportunities for ferro alloys producers in the region.

Europe is expected to showcase a healthy growth during the forecast period due to the usage of ferro alloys in the automotive industry. Additionally, with the growing environmental concerns coupled with advanced and energy-efficient technologies, certain methodologies are developed to utilize waste materials to recycle ferro alloys. Moreover, with the increasing use of matrix alloys to reduce the metal toxicity can be attributed to the demand for the ferro alloys in the region.

North America is anticipated to register a considerable CAGR during the forecast period. Owing to the growing demand for ferro alloys in well-established end-use industries such as construction, metallurgical, electronics, automotive, aerospace and medical devices in the region. Furthermore, the recovering economy in North America is witnessing increased residential and commercial construction activities in the US, which are expected to drive steel demand in the country, thus ferroalloys.

Latin America and the Middle East & Africa are expected to show substantial growth during the forecast period. The growing investments in construction across the gulf countries and industrialization in Latin American countries are expected to propel the demand during the forecast period.

Segmentation

The global ferro alloys market has been segmented by type, end-use industry, and region.

Based on production, the global ferro alloys market has been divided into blast furnace and electric arc furnace.

Based on type, the global market has been divided into bulk ferro alloys and noble ferro alloys. The bulk alloys segment is further sub-segmented into ferro manganese, silico-manganese, ferro-silicon, ferro-chrome and the noble alloys segment is sub-segmented into ferro-molybdenum, ferro-vanadium, ferro-tungsten, magnesium ferro-silicon, ferro-silicon-zirconium, ferro-titanium, ferro-boron, and ferro-niobium.

By end-use industry, the market has been classified into steel, superalloys, construction, electronics, automotive & transportation, and others.

Key Players

Gulf Ferroalloys Company (SABAYEK) (Saudi Arabia), Tata Steel (India), Brahm Group (India), Ferroalloy Corporation Limited (India), Shanghai Ferroalloys Works (China), Georgian American Alloys (USA), SAIL (India), OFZ, a.s (Slovakia), MORTEX GROUP (India), China Minmetals Corporation (China), Pertama Ferroalloys Sdn. Bhd. (Malaysia), OM Holdings Ltd. (Singapore), AKURA FERROALLOYS (1036989-M). (Malaysia), Bafa Bahrain (Bahrain), and Nikopol Ferroalloy Plant (Ukraine).

Intended Audience

- Ferro alloys manufacturers
- Traders and distributors of ferro alloys
- Construction industries
- Metallurgical industries
- Manufacturing industries
- Automotive industries
- Electronic industries
- Raw material suppliers
7.2.3.1 Ferro-manganese
7.2.3.2 Silico-manganese
7.2.3.3 Ferro-silicon
7.2.3.4 Ferro-chrome
7.2.4.1 Market Estimates & Forecast, 2018–2025
7.2.4.2 Market Estimates & Forecast, by Region, 2018–2025
7.3 Noble Ferro Alloys
7.3.1 Market Estimates & Forecast, 2018–2025
7.3.2 Market Estimates & Forecast, by Region, 2018–2025
7.3.3 Types
7.3.3.1 Ferro-Molybdenum
7.3.3.2 Ferro-Vanadium
7.3.3.3 Ferro-Tungsten
7.3.3.4 Ferro-Aluminum
7.3.3.5 Magnesium Ferro-Silicon
7.3.3.6 Ferro-Silicon-Zirconium
7.3.3.7 Ferro-Titanium
7.3.3.8 Ferro-Boron
7.3.3.9 Ferro-Niobium
7.2.1 Market Estimates & Forecast, 2018–2025
7.2.2 Market Estimates & Forecast, by Region, 2018–2025
8. Global Ferro Alloys Market, by End-Use Industry
8.1 Introduction
8.2 Steel
8.2.1 Market Estimates & Forecast, 2018–2025
8.2.2 Market Estimates & Forecast, by Region, 2018–2025
8.3 Construction
8.3.1 Market Estimates & Forecast, 2018–2025
8.3.2 Market Estimates & Forecast, by Region, 2018–2025
8.4 Automotive & Transportation
8.4.1 Market Estimates & Forecast, 2018–2025
8.4.2 Market Estimates & Forecast, by Region, 2018–2025
8.5 Electronics
8.5.1 Market Estimates & Forecast, 2018–2025
8.5.2 Market Estimates & Forecast, by Region, 2018–2025
8.6 Others
8.6.1 Market Estimates & Forecast, 2018–2025
8.6.2 Market Estimates & Forecast, by Region, 2018–2025
9. Global Ferro Alloys Market, by Region
9.1 Introduction
9.2 North America
9.2.1 Market Estimates & Forecast, 2018–2025
9.2.2 Market Estimates & Forecast, by Production, 2018–2025
9.2.3 Market Estimates & Forecast, by Application, 2018–2025
9.2.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.2.5 US
9.2.5.1 Market Estimates & Forecast, 2018–2025
9.2.5.2 Market Estimates & Forecast, by Production, 2018–2025
9.2.5.3 Market Estimates & Forecast, by Application, 2018–2025
9.2.5.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.2.6 Canada
9.2.6.1 Market Estimates & Forecast, 2018–2025
9.2.6.2 Market Estimates & Forecast, by Production, 2018–2025
9.2.6.3 Market Estimates & Forecast, by Application, 2018–2025
9.2.6.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.3 Europe
9.3.1 Market Estimates & Forecast, 2018–2025
9.3.2 Market Estimates & Forecast, by Production, 2018–2025
9.3.3 Market Estimates & Forecast, by Application, 2018–2025
9.3.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.3.5 Germany
9.3.5.1 Market Estimates & Forecast, 2018–2025
9.3.5.2 Market Estimates & Forecast, by Production, 2018–2025
9.3.5.3 Market Estimates & Forecast, by Application, 2018–2025
9.3.5.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.3.6 France
9.3.6.1 Market Estimates & Forecast, 2018–2025
9.3.6.2 Market Estimates & Forecast, by Production, 2018–2025
9.3.6.3 Market Estimates & Forecast, by Application, 2018–2025
9.3.6.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.3.7 Italy
9.3.7.1 Market Estimates & Forecast, 2018–2025
9.3.7.2 Market Estimates & Forecast, by Production, 2018–2025
9.3.7.3 Market Estimates & Forecast, by Application, 2018–2025
9.3.7.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.3.8 Spain
9.3.8.1 Market Estimates & Forecast, 2018–2025
9.3.8.2 Market Estimates & Forecast, by Production, 2018–2025
9.3.8.3 Market Estimates & Forecast, by Application, 2018–2025
9.3.8.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.3.9 UK
9.3.9.1 Market Estimates & Forecast, 2018–2025
9.3.9.2 Market Estimates & Forecast, by Production, 2018–2025
9.3.9.3 Market Estimates & Forecast, by Application, 2018–2025
9.3.9.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.3.10 Russia
9.3.10.1 Market Estimates & Forecast, 2018–2025
9.3.10.2 Market Estimates & Forecast, by Production, 2018–2025
9.3.10.3 Market Estimates & Forecast, by Application, 2018–2025
9.3.10.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.3.11 Poland
9.3.11.1 Market Estimates & Forecast, 2018–2025
9.3.11.2 Market Estimates & Forecast, by Production, 2018–2025
9.3.11.3 Market Estimates & Forecast, by Application, 2018–2025
9.3.11.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.3.12 Rest of Europe
9.5.6.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.5.7 North Africa
9.5.7.1 Market Estimates & Forecast, 2018–2025
9.5.7.2 Market Estimates & Forecast, by Production, 2018–2025
9.5.7.3 Market Estimates & Forecast, by Application, 2018–2025
9.5.7.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.5.8 South Africa
9.5.8.1 Market Estimates & Forecast, 2018–2025
9.5.8.2 Market Estimates & Forecast, by Production, 2018–2025
9.5.8.3 Market Estimates & Forecast, by Application, 2018–2025
9.5.8.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.5.9 Rest of Middle East & Africa
9.5.9.1 Market Estimates & Forecast, 2018–2025
9.5.9.2 Market Estimates & Forecast, by Production, 2018–2025
9.5.9.3 Market Estimates & Forecast, by Application, 2018–2025
9.5.9.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.6 Latin America
9.6.2 Market Estimates & Forecast, by Production, 2018–2025
9.6.3 Market Estimates & Forecast, by Application, 2018–2025
9.6.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.6.5 Brazil
9.6.5.1 Market Estimates & Forecast, 2018–2025
9.6.5.2 Market Estimates & Forecast, by Production, 2018–2025
9.6.5.3 Market Estimates & Forecast, by Application, 2018–2025
9.6.5.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.6.6 Argentina
9.6.6.1 Market Estimates & Forecast, 2018–2025
9.6.6.2 Market Estimates & Forecast, by Production, 2018–2025
9.6.6.3 Market Estimates & Forecast, by Application, 2018–2025
9.6.6.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.6.7 Mexico
9.6.7.1 Market Estimates & Forecast, 2018–2025
9.6.7.2 Market Estimates & Forecast, by Production, 2018–2025
9.6.7.3 Market Estimates & Forecast, by Application, 2018–2025
9.6.7.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025
9.6.8 Rest of Latin America
9.6.8.2 Market Estimates & Forecast, by Production, 2018–2025
9.6.8.4 Market Estimates & Forecast, by End-Use Industry, 2018–2025

10. Company Landscape
10.1 Introduction
10.2 Market Key Strategies
10.3 Key Development Analysis (Expansion/Merger & Acquisitions/Joint Venture/New Product Development/Agreement/Investment)

11. Company Profiles
11.1 Gulf Ferroalloys Company (SABAYEK)
11.1.1 Company Overview
11.1.2 Financial Updates
11.1.3 Product/Business Segment Overview
11.1.4 Key Strategies
11.1.5 Key Developments
11.1.6 SWOT Analysis
11.2 Tata Steel
11.2.1 Company Overview
11.2.2 Financial Updates
11.2.3 Product/Business Segment Overview
11.2.4 Key Strategies
11.2.5 Key Developments
11.2.6 SWOT Analysis
11.3 Brahm Group
11.3.1 Company Overview
11.3.2 Financial Updates
11.3.3 Product/Business Segment Overview
11.3.4 Key Strategies
11.3.5 Key Developments
11.3.6 SWOT Analysis
11.4 Ferroalloy Corporation Limited
11.4.1 Company Overview
11.4.2 Financial Updates
11.4.3 Product/Business Segment Overview
11.4.4 Key Strategies
11.4.5 Key Developments
11.4.6 SWOT Analysis
11.5 Shanghai Ferroalloys Works
11.5.1 Company Overview
11.5.2 Financial Updates
11.5.3 Product/Business Segment Overview
11.5.4 Key Strategies
11.5.5 Key Developments
11.5.6 SWOT Analysis
11.6 Georgian American Alloys
11.6.1 Company Overview
11.6.2 Financial Updates
11.6.3 Product/Business Segment Overview
11.6.4 Key Strategies
11.6.5 Key Developments
11.6.6 SWOT Analysis
11.7 SAIL
11.7.1 Company Overview
11.7.2 Financial Updates
11.7.3 Product/Business Segment Overview
11.7.4 Key Strategies
11.7.5 Key Developments
11.6.7 SWOT Analysis
11.8 OFZ, a.s
11.15.4 Key Strategies
11.15.5 Key Developments
11.15.6 SWOT Analysis
11.16 Nikopol Ferroalloy Plant
11.16.1 Company Overview
11.16.2 Financial Updates
11.16.3 Product/Business Segment Overview
11.16.4 Key Strategies
11.16.5 Key Developments
11.16.6 SWOT Analysis

12. Conclusion

LIST OF TABLES

Table 1 Global Ferro Alloys Market: by Region, 2018–2025
Table 2 North America: Ferro Alloys Market, by Country, 2018–2025
Table 3 Europe: Ferro Alloys Market, by Country, 2018–2025
Table 4 Asia-Pacific: Ferro Alloys Market, by Country, 2018–2025
Table 5 Middle East & Africa: Ferro Alloys Market, by Country, 2018–2025
Table 6 Latin America: Ferro Alloys Market, by Country, 2018–2025
Table 7 Global Ferro Alloys Market Production Market, by Regions, 2018–2025
Table 8 North America: Ferro Alloys Market Production Market, by Country, 2018–2025
Table 9 Europe: Ferro Alloys Market Production Market, by Country, 2018–2025
Table 10 Asia-Pacific: Ferro Alloys Market Production Market, by Country, 2018–2025
Table 11 Middle East & Africa: Ferro Alloys Market Production Market, by Country, 2018–2025
Table 12 Latin America: Ferro Alloys Market Production Market, by Country, 2018–2025
Table 13 Global Ferro Alloys Market Application Market, by Regions, 2018–2025
Table 14 North America: Ferro Alloys Market Application Market, by Country, 2018–2025
Table 15 Europe: Ferro Alloys Market Application Market, by Country, 2018–2025
Table 16 Asia-Pacific: Ferro Alloys Market Application Market, by Country, 2018–2025
Table 17 Middle East & Africa: Ferro Alloys Market Application Market, by Country, 2018–2025
Table 18 Latin America: Ferro Alloys Market Application Market, by Country, 2018–2025
Table 19 Global Ferro Alloys Market End-Use Industry Market, by Regions, 2018–2025
Table 20 North America: Ferro Alloys Market End-Use Industry Market, by Country, 2018–2025
Table 21 Europe: Ferro Alloys Market End-Use Industry Market, by Country, 2018–2025
Table 22 Asia-Pacific: Ferro Alloys Market End-Use Industry Market, by Country, 2018–2025
Table 23 Middle East & Africa: Ferro Alloys Market End-Use Industry Market, by Country, 2018–2025
Table 24 Latin America: Ferro Alloys Market End-Use Industry Market, by Country, 2018–2025
Table 25 Global Production Market, by Region, 2018–2025
Table 26 Global Application Market, by Region, 2018–2025
Table 27 Global End-Use Industry Market, by Region, 2018–2025
Table 28 North America: Ferro Alloys Market, by Country, 2018–2025
Table 29 North America: Ferro Alloys Market, by Production, 2018–2025
Table 30 North America: Ferro Alloys Market, by Application, 2018–2025
Table 31 North America: Ferro Alloys Market, by End-Use Industry, 2018–2025
Table 32 Europe: Ferro Alloys Market, by Country, 2018–2025
Table 33 Europe: Ferro Alloys Market, by Production, 2018–2025
Table 34 Europe: Ferro Alloys Market, by Application, 2018–2025
Table 35 Europe: Ferro Alloys Market, by End-Use Industry, 2018–2025