

# 2018-2023 Global Aluminium-Scandium Consumption Market Report

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# **Abstracts**

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Aluminium-Scandium market for 2018-2023.

The chemical composition of the aluminium-scandium master-alloy is 2% scandium and the balance is 99.7% aluminium. The master alloy is used to add scandium to Al-Mg-Zr containing alloys, which are used in the form of sheet and plate. These sheets and plates are mainly used by aircraft manufactures. The scandium content in the aluminium sheet and plate varies from 0.2-0.4% scandium.

Aluminium scandium containing alloys combine high strength, ductility, weld-ability, improved corrosion resistance and a lower density (as a result of the magnesium in the alloy). The combination of all these properties makes aluminium-scandium containing alloys extremely suitable for aerospace industry.

The market of Aluminium-Scandium is concentrated. Of the 2017 global market, the top 11 companies, all multinational, account for about 82.64% of sales. RUSAL is by far the leader, with nearly 24.74% of the market. As major suppliers are seeking to expand global presence, the market concentration is estimated to increase in the coming 5 years.

Production of Scandium and Aluminium-Scandium is mainly concentrated in Europe and China. Russia is the main production area especially. For consumption market, it is estimated North America, Europe, China and Japan are key market, with combined market share reached to 95.47% in 2017.

Scandium acts as a grain-refiner and hardener of aluminum alloys. Aluminum-scandium alloys combine high strength, ductility, weldability, improved corrosion resistance and a lower density. The combination of all these properties makes aluminum-scandium alloys



well-suited for the aerospace, automotive and defense industries. Defense & Aerospace takes 82.71% share of 2017 alloy market. Applications of aluminumscandium alloys include consumer products such as baseball bats, golf club heads and high-end bicycle wheel rims. However, the price of AI-Sc master alloys is still too high for most commercial applications.

Over the next five years, LPI(LP Information) projects that Aluminium-Scandium will register a 7.3% CAGR in terms of revenue, reach US\$ 110 million by 2023, from US\$ 70 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Aluminium-Scandium market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Al-Sc 2% Alloy

Others

Segmentation by application:

Defense & Aerospace

Transportation

**Consumer Goods** 

Other

This report also splits the market by region:

Americas

**United States** 



Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt



South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

RUSAL Intermix-met KBM Master Alloys Stanford Advanced Materials HNRE Hunan Oriental Scandium Guangxi Maoxin AMG Aluminum Codos

ТОРМ

Shanghai Diyang

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future



development.

**Research objectives** 

To study and analyze the global Aluminium-Scandium consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Aluminium-Scandium market by identifying its various subsegments.

Focuses on the key global Aluminium-Scandium manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Aluminium-Scandium with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Aluminium-Scandium submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.



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