

Aluminum Scrap Recycling Market worth \$11.46 billion by 2030 - Exclusive Report by 360iResearch

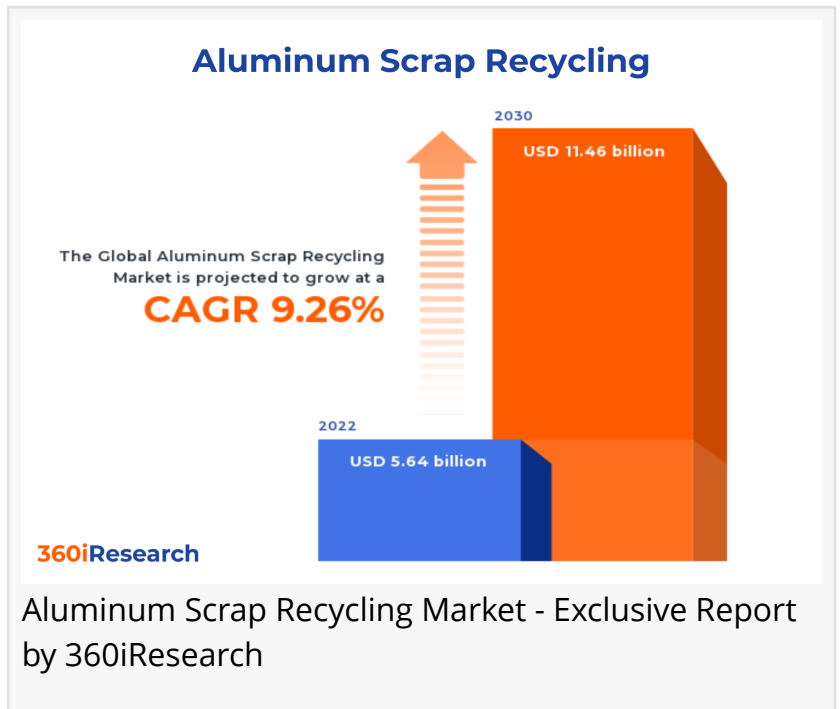
The Global Aluminum Scrap Recycling Market to grow from USD 5.64 billion in 2022 to USD 11.46 billion by 2030, at a CAGR of 9.26%.

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-- The "[Aluminum Scrap Recycling Market](#) by Product (Aluminium Foil Scrap, Aluminum Ingot Scrap), Scrap Type (New Scrap, Old Scrap), End-User - Global Forecast 2023-2030" report has been added to 360iResearch.com's offering.

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Aluminum scrap recycling is collecting and reprocessing discarded aluminum products and materials into usable raw materials to produce new aluminum products. Aluminum is a highly valuable and versatile metal with various construction, transportation, packaging, and electronics applications. Recycling aluminum helps conserve natural resources by reducing the need for mining and extracting new bauxite ore and helps to lessen the environmental impact associated with primary aluminum production. Recycling aluminum saves up to approximately 95% of the energy needed for primary production, making it an energy-efficient process. Aluminum scrap recycling is crucial for conserving resources, promoting sustainability, and diminishing the environmental impact of aluminum production. It is an essential part of the circular economy, where materials are continuously reused and recycled to minimize waste and maximize resource efficiency. Moreover, increasing government regulations to encourage the



processing & recycling of aluminum scrap and the rising need to reduce the burden on landfill disposal facilities enhance the adoption of aluminum scrap recycling. However, huge investments and several environmental concerns associated with scrap recycling significantly impede adopting the aluminum scrap recycling process. In addition, developing innovative and sustainable solutions and using recycled aluminum in the automotive and construction industry is expected to create significant opportunities for market development.

Product: Extensive utilization of aluminum foil scrap in automotive applications

Aluminum foil scrap is also considered laminated aluminum foil scrap, consisting primarily of used and discarded aluminum foils from various consumer and industrial applications. These foils are commonly found in packaging materials, such as food containers, pharmaceutical blister packs, insulation materials, and flexible electronic circuits. Due to its lightweight nature and excellent barrier properties against moisture, light, and gasses, aluminum foil is widely utilized across multiple sectors. The recycling process for aluminum foil scrap involves collecting, sorting, cleaning, melting, casting, and further processing to get a recycled end product. The aluminum ingot scrap comprises the remnants or defective pieces of aluminum ingots produced during the manufacturing process. Furthermore, the aluminum ingots casting process occurs through the fusion and refining of aluminum scrap through specific technological installations.

Scrap Type: Adoption of new scrap providing uniformity in quality and reduced need for extensive processing

New or production or manufacturing scrap refers to the aluminum waste generated during manufacturing. Manufacturers prefer this type of scrap due to its consistent material composition and quality, which makes it ideal for direct remelting and reusing in new products. Old scrap refers to post-consumer aluminum waste, including discarded products such as cans, automobiles, electrical wires, and construction materials. These types of scrap include beverage cans, car parts, window frames, and other household items made from aluminum. Old scrap presents a more sustainable option, as it diverts materials from landfills and reduces the need for extracting raw materials.

End-User: Potential demand for aluminum scrap recycling from the automotive industry

The automotive industry has a high demand for recycled aluminum due to its lightweight, corrosion resistance, and sustainability. Automakers are increasingly incorporating lightweight materials into their vehicle designs. Recycled aluminum offers significant weight reduction compared to traditional steel counterparts, leading to enhanced fuel economy and lower emissions. In the construction industry, recycled aluminum is also widely used due to its enhanced durability, resistance to corrosion, and adaptability, making it an ideal material for constructing various infrastructure and building elements, including doors, windows, curtain walls, roofing materials, and structural components. Moreover, the electronics industry relies heavily on recycled aluminum for producing various devices and components. With rapid technological advancements and miniaturization trends in electronic devices such as smartphones and laptops, manufacturers increasingly prefer recycled aluminum due to its lightweight nature and thermal dissipation capabilities. In the machinery and equipment

packaging sector, recycled aluminum is used for manufacturing components such as casings and boxes due to its high strength-to-weight ratio and resistance to oxidation. In the packaging industry, recycled aluminum is used vigorously due to its corrosion resistance and malleability properties, making it a popular choice for manufacturing food containers, beverage cans, and other packaging materials requiring durability and flexibility.

Regional Insights:

The Americas region has a well-established industry for aluminum scrap recycling with countries such as the United States, Brazil, Canada, and Mexico due to its energy efficiency and cost-effective nature of recycled aluminum. Regional players in the market continuously invest in research and development activities and advancements, such as sensor-based sorting technologies and robotic sorting equipment, to improve efficiency, minimize waste, and enhance recycling processes. In the Asia-Pacific, the aluminum recycling industry has been increasing steadily due to the rising demand for aluminum products in the automotive, construction, and packaging sectors. China and Japan have well-established aluminum recycling technologies and processes, and a substantial amount of the aluminum used comes from recycled sources. Other countries in the region, such as Indonesia, Thailand, Vietnam, Malaysia, and the Philippines, have varying degrees of aluminum recycling activities based on their industrial and economic development. In the EMEA region, the European Union significantly emphasizes sustainable waste management and recycling. The EU countries have made substantial progress in recycling aluminum, with many nations, including Germany, France, the United Kingdom, Italy, and Spain, achieving high recycling rates. Middle Eastern countries have observed a growing interest in aluminum recycling, especially in United Arab Emirates (UAE), Saudi Arabia, and Turkey, with strong industrial bases.

FPNV Positioning Matrix:

The FPNV Positioning Matrix is essential for assessing the Aluminum Scrap Recycling Market. It provides a comprehensive evaluation of vendors by examining key metrics within Business Strategy and Product Satisfaction, allowing users to make informed decisions based on their specific needs. This advanced analysis then organizes these vendors into four distinct quadrants, which represent varying levels of success: Forefront (F), Pathfinder (P), Niche (N), or Vital(V).

Market Share Analysis:

The Market Share Analysis offers an insightful look at the current state of vendors in the Aluminum Scrap Recycling Market. By comparing vendor contributions to overall revenue, customer base, and other key metrics, we can give companies a greater understanding of their performance and what they are up against when competing for market share. The analysis also sheds light on just how competitive any given sector is about accumulation, fragmentation dominance, and amalgamation traits over the base year period studied.

Key Company Profiles:

The report delves into recent significant developments in the Aluminum Scrap Recycling Market, highlighting leading vendors and their innovative profiles. These include Alcoa Corporation, Andritz AG, Arfin India Limited, Audubon Metals LLC, CASS, Inc., Commercial Metals Company, Constellium SE, Continental Recycling, Crestwood Metal Corp., Eldan Recycling A/S, European Metal Recycling Limited, GLE Scrap Metal (GLE), Hindalco Industries Limited, Hulamin Limited, Kuusakoski Oy, Matalco Inc., Metal Exchange Corporation, Metalco Scrap Trading, Norsk Hydro ASA, Nupur Recyclers Limited, OmniSource, LLC, Palco Recycle Industries Limited, Prime Materials Recovery Inc., Real Alloy Recycling, LLC, Remondis SE & Co. KG, Rio Tinto PLC, Scepter Group, Schnitzer Steel Industries, Inc., Sims Limited, Smelter Service Corporation, Tom Martin & Company, TOMRA Systems ASA, Tri-Arrows Aluminum Inc., TRIMET SE, and Wise Services & Recycling, LLC.

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Market Segmentation & Coverage:

This research report categorizes the Aluminum Scrap Recycling Market in order to forecast the revenues and analyze trends in each of following sub-markets:

Based on Product, market is studied across Aluminium Foil Scrap and Aluminum Ingot Scrap. The Aluminum Ingot Scrap commanded largest market share of 25.12% in 2022, followed by Aluminium Foil Scrap.

Based on Scrap Type, market is studied across New Scrap and Old Scrap. The Old Scrap commanded largest market share of 54.92% in 2022, followed by New Scrap.

Based on End-User, market is studied across Automotive, Building & Construction, Consumer Appliances, Electronics, and Machinery & Equipment Packaging. The Building & Construction commanded largest market share of 33.78% in 2022, followed by Machinery & Equipment Packaging.

Based on Region, market is studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas is further studied across Argentina, Brazil, Canada, Mexico, and United States. The United States is further studied across California, Florida, Illinois, New York, Ohio, Pennsylvania, and Texas. The Asia-Pacific is further studied across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam. The Europe, Middle East & Africa is further studied across Denmark, Egypt, Finland, France, Germany, Israel, Italy, Netherlands, Nigeria, Norway, Poland, Qatar, Russia, Saudi Arabia, South Africa, Spain, Sweden, Switzerland, Turkey, United Arab Emirates, and United Kingdom. The Europe, Middle East & Africa commanded largest market share of 38.16% in 2022, followed by Asia-Pacific.

Key Topics Covered:

1. Preface
2. Research Methodology
3. Executive Summary
4. Market Overview
5. Market Insights
6. Aluminum Scrap Recycling Market, by Product
7. Aluminum Scrap Recycling Market, by Scrap Type
8. Aluminum Scrap Recycling Market, by End-User
9. Americas Aluminum Scrap Recycling Market
10. Asia-Pacific Aluminum Scrap Recycling Market
11. Europe, Middle East & Africa Aluminum Scrap Recycling Market
12. Competitive Landscape
13. Competitive Portfolio
14. Appendix

The report provides insights on the following pointers:

1. Market Penetration: Provides comprehensive information on the market offered by the key players
2. Market Development: Provides in-depth information about lucrative emerging markets and analyzes penetration across mature segments of the markets
3. Market Diversification: Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. Competitive Assessment & Intelligence: Provides an exhaustive assessment of market shares, strategies, products, certification, regulatory approvals, patent landscape, and manufacturing capabilities of the leading players
5. Product Development & Innovation: Provides intelligent insights on future technologies, R&D activities, and breakthrough product developments

The report answers questions such as:

1. What is the market size and forecast of the Aluminum Scrap Recycling Market?
2. Which are the products/segments/applications/areas to invest in over the forecast period in the Aluminum Scrap Recycling Market?
3. What is the competitive strategic window for opportunities in the Aluminum Scrap Recycling Market?
4. What are the technology trends and regulatory frameworks in the Aluminum Scrap Recycling Market?
5. What is the market share of the leading vendors in the Aluminum Scrap Recycling Market?
6. What modes and strategic moves are considered suitable for entering the Aluminum Scrap Recycling Market?

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