

# **Ferrous Scrap Recycling Market Size, Share & Trends Analysis Report By Sector (Construction, Automotive), By Region (North America, Europe, Asia Pacific), And Segment Forecasts, 2022 - 2030**

<https://marketpublishers.com/r/F526CEE48D30EN.html>

Date: January 2023

Pages: 82

Price: US\$ 5,950.00 (Single User License)

ID: F526CEE48D30EN

## **Abstracts**

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### **Ferrous Scrap Recycling Market Growth & Trends**

The global ferrous scrap recycling market size is expected to reach USD 192.6 million by 2030, expanding at a CAGR of 3.8% from 2022 to 2030, according to a new report by Grand View Research, Inc., Leading steel manufacturers are shifting from blast furnace to electric arc furnace (EAF) to reduce CO2 impact on the environment to reach global climate goals. This in turn is anticipated to fuel the demand for ferrous scrap in coming years.

The ferrous scrap recycling process follows the melting of metal scrap with a slag material to refine steel. The scrap metals are heated to get the rich iron liquid to form a slag layer for further use. Completely melted steel is tapped into a ladle for further processing on it.

According to EUROFER, more than 48% of the steel is produced using electric arc technology, and one hundred million tons of scrap was recycled in 2021 across the region. Thus, ferrous scrap plays a vital role in the production of steel in Europe. The increasing focus on energy efficiency and reduction in carbon emissions is expected to drive market growth.

In terms of volume, Germany held the largest share of 23.3% of the market across

Europe in 2021 and is anticipated to expand at a CAGR of 4.5%, in terms of revenue, between 2022 and 2030. Shifting focus toward creating a sustainable and circular economy is anticipated to drive market growth in the country over the forecast period.

Ferrous constitutes a large share of the overall scrap generation owing to the consumption of steel in various end-use industries and the recovery rate from end products. Leading players are likely to deal with significant competition. According to the Japan Iron and Steel Federation, the recycling rate of steel in vehicles in the country ranges from 97% to 89%, and for steel cans, it is as high as 90% to 93.3%.

It is a highly competitive and unorganized market. There is a huge potential for growth in the metal recycling industry over the next few years. In 2021, major steel manufacturers adopted backward integration strategies. To ensure a steady supply of raw materials, these manufacturers acquired recycling centers and companies.

### Ferrous Scrap Recycling Market Report Highlights

Based on sector, the construction segment held a revenue share of more than 46.0% in 2021 in the global market. The sector contributes a large amount of scrap generation through ongoing demolition and renovation activities across the globe

In terms of revenue, the automotive segment is anticipated to register a CAGR of 4.0% over the forecast period. Initiatives by auto manufacturers to recycle old vehicles and generate usable scrap are propelling segment growth

Based on region, Asia Pacific is expected to register the fastest growth rate of 4.2% in terms of revenue from 2022 to 2030. Government policies to support the recycling industry are expected to augment segment growth

The market is characterized by intense competition, owing to the presence of several players opting for operational cost optimization through business restructuring

## Contents

### CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Market Definition
- 1.3. Research Methodology
- 1.4. Research Scope and Assumptions
- 1.5. Information Procurement
  - 1.5.1. Purchased database
  - 1.5.2. GVR's Internal Database
  - 1.5.3. Secondary Sources
  - 1.5.4. Third Party Perspective
  - 1.5.5. Primary Research
- 1.6. Information Analysis
  - 1.6.1. Data Analysis Models
- 1.7. Market Formulation and Data Visualization
- 1.8. Data Validation and Publishing

### CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Insights
- 2.2. Market Snapshot
- 2.3. Segmental Outlook
- 2.4. Competitive Insights

### CHAPTER 3. MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Outlook
- 3.2. Penetration & Growth Prospect Mapping
- 3.3. Value Chain Analysis
  - 3.3.1. Raw Material Trends
- 3.4. Technology Overview
- 3.5. Regulatory Framework
- 3.6. Market Dynamics
  - 3.6.1. Market Driver Analysis
  - 3.6.2. Market Restraint Analysis
- 3.7. Industry Analysis- Porter's
- 3.8. PESTEL Analysis

## **CHAPTER 4. FERROUS SCRAP RECYCLING MARKET: SECTOR ESTIMATES & TREND ANALYSIS**

### 4.1. Definition & Scope

### 4.2. Sector Movement Analysis & Market Share, 2021 & 2030

### 4.3. Construction

#### 4.3.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

### 4.4. Automotive

#### 4.4.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

### 4.5. Consumer Goods

#### 4.5.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

### 4.6. Industrial Goods

#### 4.6.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

## **CHAPTER 5. FERROUS SCRAP RECYCLING MARKET: REGIONAL ESTIMATES & TREND ANALYSIS**

### 5.1. Regional Snapshot

### 5.2. Regional Movement Analysis & Market Share, 2021 & 2030

### 5.3. North America

#### 5.3.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

#### 5.3.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)

#### 5.3.3. U.S.

##### 5.3.3.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

##### 5.3.3.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

(Kilotons)

#### 5.3.4. Canada

##### 5.3.4.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

##### 5.3.4.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

(Kilotons)

#### 5.3.5. Mexico

##### 5.3.5.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

##### 5.3.5.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

(Kilotons)

### 5.4. Europe

#### 5.4.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

#### 5.4.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)

#### 5.4.3. Germany

- 5.4.3.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)
- 5.4.3.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)
- 5.4.4. France
  - 5.4.4.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)
  - 5.4.4.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)
- 5.4.5. UK
  - 5.4.5.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)
  - 5.4.5.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)
- 5.5. Asia Pacific
  - 5.5.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)
  - 5.5.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)
  - 5.5.3. China
    - 5.5.3.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)
    - 5.5.3.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)
  - 5.5.4. Japan
    - 5.5.4.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)
    - 5.5.4.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)
  - 5.5.5. Australia
    - 5.5.5.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)
    - 5.5.5.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)
- 5.6. Central & South America
  - 5.6.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)
  - 5.6.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)
- 5.7. Middle East & Africa
  - 5.7.1. Market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)
  - 5.7.2. Market estimates and forecasts, by sector, 2017 - 2030 (USD Million) (Kilotons)

## **CHAPTER 6. COMPETITIVE ANALYSIS**

- 6.1. Recent Developments & Impact Analysis, By Key Market Participants
- 6.2. Vendor Landscape
  - 6.2.1. List of Raw Material Suppliers, Scrap Processors, and Distributors
  - 6.2.2. List of Prospective End-Users

### 6.2.3. SWOT Analysis

## **CHAPTER 7. FERROUS SCRAP RECYCLING MARKET: COMPANY PROFILES**

### 7.1. American Iron & Metal Company Inc.

#### 7.1.1. Company Overview

#### 7.1.2. Product Benchmarking

### 7.2. European Metal Recycling Ltd.

#### 7.2.1. Company Overview

#### 7.2.2. Product Benchmarking

### 7.3. Innovative Metal Recycling

#### 7.3.1. Company Overview

#### 7.3.2. Product Benchmarking

### 7.4. OmniSource, LLC

#### 7.4.1. Company Overview

#### 7.4.2. Product Benchmarking

### 7.5. Sims Limited

#### 7.5.1. Company Overview

#### 7.5.2. Product Benchmarking

### 7.6. SA Recycling LLC

#### 7.6.1. Company Overview

#### 7.6.2. Product Benchmarking

### 7.7. Schnitzer Steel Industries, Inc.

#### 7.7.1. Company Overview

#### 7.7.2. Product Benchmarking

### 7.8. Rudolf Schuy GmbH & Co. KG

#### 7.8.1. Company Overview

#### 7.8.2. Product Benchmarking

### 7.9. TSR Recycling GmbH & Co. KG

#### 7.9.1. Company Overview

#### 7.9.2. Product Benchmarking

### 7.10. Ward Recycling Ltd, Inc.

#### 7.10.1. Company Overview

#### 7.10.2. Product Benchmarking

## List Of Tables

### LIST OF TABLES

Table 1 Ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 2 Ferrous scrap recycling market estimates and forecasts, by construction, 2017 - 2030 (USD Million) (Kilotons)

Table 3 Ferrous scrap recycling market estimates and forecasts, by automotive, 2017 - 2030 (USD Million) (Kilotons)

Table 4 Ferrous scrap recycling market estimates and forecasts, by consumer goods, 2017 - 2030 (USD Million) (Kilotons)

Table 5 Ferrous scrap recycling market estimates and forecasts, by industrial goods, 2017 - 2030 (USD Million) (Kilotons)

Table 6 North America ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 7 North America ferrous scrap recycling market estimates and forecasts, by sector, 2017- 2030 (USD Million)

Table 8 North America ferrous scrap recycling market estimates and forecasts, by sector, 2017- 2030 (Kilotons)

Table 9 U.S. ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 10 U.S. ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

Table 11 U.S. ferrous scrap recycling market estimates and forecasts, by sector 2017 - 2030) (Kilotons)

Table 12 Canada ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 13 Canada ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

Table 14 Canada ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (Kilotons)

Table 15 Mexico ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 16 Mexico ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

Table 17 Mexico ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (Kilotons)

Table 18 Europe ferrous scrap recycling market estimates and forecasts, 2017 - 2030

(USD Million) (Kilotons)

Table 19 Europe ferrous scrap recycling market estimates and forecasts, by sector, 2017- 2030 (USD Million)

Table 20 Europe ferrous scrap recycling market estimates and forecasts, by sector, 2017- 2030 (Kilotons)

Table 21 Germany. ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 22 Germany. ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

Table 23 Germany. ferrous scrap recycling market estimates and forecasts, by sector 2017 - 2030) (Kilotons)

Table 24 France ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 25 France ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

Table 26 France ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (Kilotons)

Table 27 UK ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 28 UK ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

Table 29 UK ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (Kilotons)

Table 30 Asia Pacific ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 31 Asia Pacific ferrous scrap recycling market estimates and forecasts, by sector, 2017- 2030 (USD Million)

Table 32 Asia Pacific ferrous scrap recycling market estimates and forecasts, by sector, 2017- 2030 (Kilotons)

Table 33 China. ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 34 China. ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

Table 35 China. ferrous scrap recycling market estimates and forecasts, by sector 2017 - 2030) (Kilotons)

Table 36 Japan ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 37 Japan ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (USD Million)



Table 38 Japan ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (Kilotons)

Table 39 Australia ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 40 Australia ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (USD Million)

Table 41 Australia ferrous scrap recycling market estimates and forecasts, by sector, 2017 - 2030 (Kilotons)

Table 42 Central & South America ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 43 Central & South America ferrous scrap recycling market estimates and forecasts, by sector, 2017- 2030 (USD Million)

Table 44 Central & South America ferrous scrap recycling market estimates and forecasts, by sector, 2017- 2030 (Kilotons)

Table 45 Middle East & Africa ferrous scrap recycling market estimates and forecasts, 2017 - 2030 (USD Million) (Kilotons)

Table 46 Middle East & Africa ferrous scrap recycling market estimates and forecasts, by sector, 2017- 2030 (USD Million)

Table 47 Middle East & Africa ferrous scrap recycling market estimates and forecasts, by sector, 2017- 2030 (Kilotons)

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Market segmentation
- Fig. 2 Information procurement
- Fig. 3 Primary research pattern
- Fig. 4 Primary research process
- Fig. 5 Primary research approaches
- Fig. 6 Market snapshot
- Fig. 7 Segment outlook
- Fig. 8 Penetration & growth prospect mapping
- Fig. 9 Value chain analysis
- Fig. 10 Market dynamics
- Fig. 11 Market driver analysis
- Fig. 12 Market restraint analysis
- Fig. 13 Ferrous scrap recycling market: Sector movement analysis, 2021 & 2030 (%)
- Fig. 14 Ferrous scrap recycling market: Regional snapshot
- Fig. 15 Ferrous scrap recycling market: Regional movement analysis, 2021 & 2030 (%)

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