

Recycled Materials for Manufacturing Market Forecasts to 2034– Global Analysis By Material Type (Recycled Plastics, Recycled Metals, Recycled Glass, Recycled Paper & Cardboard and Other Material Types), Source, Recycling Process, Application, End User and By Geography

<https://marketpublishers.com/r/R66574155A74EN.html>

Date: April 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: R66574155A74EN

Abstracts

According to Statistics MRC, the Global Recycled Materials for Manufacturing Market is accounted for \$93.21 billion in 2026 and is expected to reach \$175.75 billion by 2034 growing at a CAGR of 8.2% during the forecast period. Recycled Materials for Manufacturing refer to secondary raw materials recovered from post-consumer or post-industrial waste streams and reprocessed for use in production systems. These materials include metals, plastics, glass, paper, and composites that are collected, sorted, cleaned, and transformed into inputs for new products. They reduce dependence on virgin resources, lower environmental impact, and support circular economy principles. In manufacturing, they are integrated into supply chains to improve sustainability, cost efficiency, and resource conservation while maintaining required performance and quality standards across diverse industrial applications worldwide manufacturing ecosystems today globally.

Market Dynamics:

Driver:

Stringent environmental regulations and policies

Strict environmental regulations and government-led policies are significantly driving the

market. Mandates aimed at reducing carbon emissions, landfill waste, and resource depletion are pushing industries to adopt circular economy practices. Compliance requirements such as extended producer responsibility (EPR) and recycling targets are compelling manufacturers to integrate recycled inputs into production processes. These frameworks are also encouraging innovation in waste collection, sorting, and reprocessing technologies, thereby accelerating the adoption of recycled materials across multiple industrial sectors globally.

Restraint:

Inconsistent quality and performance variability

One of the key restraints in the market is the inconsistent quality and performance variability of recycled materials. Variations in feedstock sources, contamination levels, and processing methods often lead to unpredictable material properties. This creates challenges for manufacturers requiring strict quality standards, particularly in automotive, electronics, and construction applications. Additional costs for sorting, purification, and quality control further limit scalability. As a result, some industries remain hesitant to fully substitute virgin materials with recycled alternatives, slowing down broader adoption.

Opportunity:

Rising sustainability commitments by industries

Rising sustainability commitments by industries present a major growth opportunity for the market. Companies across automotive, packaging, construction, and consumer goods sectors are increasingly setting carbon neutral targets. This shift is driving demand for recycled inputs to reduce environmental footprints and meet ESG goals. Corporate sustainability reporting and green procurement policies are further strengthening adoption. In addition, consumer preference for eco-friendly products is encouraging manufacturers to integrate recycled materials into product design and supply chains, opening new revenue streams.

Threat:

High processing and technology costs

High processing and advanced technology costs remain a significant threat to market

growth. Recycling processes often require energy-intensive operations and advanced purification technologies to ensure material quality. These capital and operational expenses can make recycled materials less cost-competitive compared to virgin alternatives, especially in regions with low raw material prices. Small and medium-sized enterprises face additional financial constraints in adopting such technologies. Without cost optimization and technological advancements, profitability pressures may hinder widespread adoption.

Covid-19 Impact:

The COVID-19 pandemic had a mixed impact on the market. Initially, disruptions in supply chains, labor shortages, and reduced industrial activity led to a slowdown in recycling operations and material recovery rates. However, the crisis also heightened awareness of supply chain resilience and sustainability, prompting governments and industries to reinforce circular economy strategies during recovery phases. Post-pandemic, increased emphasis on green recovery programs and infrastructure investments has supported renewed demand for recycled materials, accelerating long-term adoption trends across manufacturing sectors.

The recycled glass segment is expected to be the largest during the forecast period

The recycled glass segment is expected to account for the largest market share during the forecast period, due to widespread use in construction and container manufacturing industries. Glass recycling is highly efficient, as it can be repeatedly reprocessed without significant loss of quality. Growing demand from beverage packaging and building materials sectors continues to support steady consumption. Additionally, strong collection systems and established recycling infrastructure in many regions enhance supply reliability. Environmental benefits such as reduced energy consumption in production further strengthen the dominance of recycled glass.

The electronic waste segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the electronic waste segment is predicted to witness the highest growth rate, due to rapid proliferation of consumer electronics and digital technologies. Increasing obsolescence cycles of smartphones, laptops, and other devices are generating large volumes of recoverable metals and rare earth materials. Advancements in e-waste recycling technologies are improving recovery efficiency and economic viability. Furthermore, stringent regulations on electronic disposal and rising

demand for critical raw materials are accelerating investments in this segment, making it the fastest growing category during the forecast period.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, due to urbanization, and high population density. Countries in the region generate substantial volumes of industrial and municipal waste, providing abundant raw material for recycling. Strong manufacturing bases in China, India, and Southeast Asia further support demand for recycled inputs. Government initiatives promoting sustainability and waste management infrastructure are also contributing to market growth. Additionally, cost advantages and expanding recycling networks strengthen the region's leadership position in the global market.

Region with highest CAGR:

Over the forecast period, the Europe region is anticipated to exhibit the highest CAGR, owing to carbon neutrality goals, and extended producer responsibility regulations are driving rapid adoption of recycled materials. High consumer awareness regarding sustainability and eco-friendly products further supports demand. Continuous investments in advanced recycling technologies and green manufacturing practices are accelerating market expansion. Additionally, collaboration between governments and private players is fostering innovation, positioning Europe as the fastest-growing regional market during the forecast period.

Key players in the market

Some of the key players in Recycled Materials for Manufacturing Market include Sims Limited, Radius Recycling, Inc., Veolia Environnement S.A., Waste Management, Inc., Republic Services, Inc., DS Smith Plc, Cascades Inc., Indorama Ventures Public Company Limited, ALPLA Group, B. Schoenberg & Co., Inc., Trex Company, Inc., GreenMantra Technologies, The Good Plastic Company, Rethmann SE & Co. KG, Jiangxi Copper Group Renewable Resources Co., Ltd.

Key Developments:

In October 2025, TotalEnergies and Veolia have strengthened their long-standing partnership to accelerate the energy transition and circular economy by combining expertise in low-carbon energy, waste recovery, water management, and emissions

reduction.

In June 2025, Veolia's expansion in the U.S. hazardous waste treatment sector reflects a strategic push to strengthen leadership through acquisitions and organic growth. The company is investing in new facilities and acquiring specialized waste firms to boost capacity, particularly in Massachusetts and California.

Material Types Covered:

Recycled Plastics

Recycled Metals

Recycled Glass

Recycled Paper & Cardboard

Recycled Textiles & Fibers

Recycled Composites

Other Material Types

Sources Covered:

Post-Consumer Waste

Post-Industrial Waste

Construction & Demolition Waste

Electronic Waste

Agricultural Waste

Recycling Processes Covered:

Mechanical Recycling

Chemical Recycling

Biological Recycling

Thermal Recycling

Applications Covered:

Building & Construction

Transportation

Textiles & Apparel

Consumer Goods

Industrial Manufacturing

End Users Covered:

Manufacturing

Packaging Industry

Automotive Industry

Construction Industry

Electronics Industry

Retail & Consumer Goods

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL RECYCLED MATERIALS FOR MANUFACTURING MARKET, BY MATERIAL TYPE

- 5.1 Recycled Plastics
- 5.2 Recycled Metals
- 5.3 Recycled Glass
- 5.4 Recycled Paper & Cardboard
- 5.5 Recycled Textiles & Fibers
- 5.6 Recycled Composites
- 5.7 Other Material Types

6 GLOBAL RECYCLED MATERIALS FOR MANUFACTURING MARKET, BY SOURCE

- 6.1 Post-Consumer Waste
- 6.2 Post-Industrial Waste
- 6.3 Construction & Demolition Waste
- 6.4 Electronic Waste
- 6.5 Agricultural Waste

7 GLOBAL RECYCLED MATERIALS FOR MANUFACTURING MARKET, BY RECYCLING PROCESS

- 7.1 Mechanical Recycling
- 7.2 Chemical Recycling
- 7.3 Biological Recycling
- 7.4 Thermal Recycling

8 GLOBAL RECYCLED MATERIALS FOR MANUFACTURING MARKET, BY APPLICATION

- 8.1 Building & Construction
- 8.2 Transportation
- 8.3 Textiles & Apparel
- 8.4 Consumer Goods

8.5 Industrial Manufacturing

9 GLOBAL RECYCLED MATERIALS FOR MANUFACTURING MARKET, BY END USER

9.1 Manufacturing

9.2 Packaging Industry

9.3 Automotive Industry

9.4 Construction Industry

9.5 Electronics Industry

9.6 Retail & Consumer Goods

10 GLOBAL RECYCLED MATERIALS FOR MANUFACTURING MARKET, BY GEOGRAPHY

10.1 North America

10.1.1 United States

10.1.2 Canada

10.1.3 Mexico

10.2 Europe

10.2.1 United Kingdom

10.2.2 Germany

10.2.3 France

10.2.4 Italy

10.2.5 Spain

10.2.6 Netherlands

10.2.7 Belgium

10.2.8 Sweden

10.2.9 Switzerland

10.2.10 Poland

10.2.11 Rest of Europe

10.3 Asia Pacific

10.3.1 China

10.3.2 Japan

10.3.3 India

10.3.4 South Korea

10.3.5 Australia

10.3.6 Indonesia

10.3.7 Thailand

- 10.3.8 Malaysia
- 10.3.9 Singapore
- 10.3.10 Vietnam
- 10.3.11 Rest of Asia Pacific
- 10.4 South America
 - 10.4.1 Brazil
 - 10.4.2 Argentina
 - 10.4.3 Colombia
 - 10.4.4 Chile
 - 10.4.5 Peru
 - 10.4.6 Rest of South America
- 10.5 Rest of the World (RoW)
 - 10.5.1 Middle East
 - 10.5.1.1 Saudi Arabia
 - 10.5.1.2 United Arab Emirates
 - 10.5.1.3 Qatar
 - 10.5.1.4 Israel
 - 10.5.1.5 Rest of Middle East
 - 10.5.2 Africa
 - 10.5.2.1 South Africa
 - 10.5.2.2 Egypt
 - 10.5.2.3 Morocco
 - 10.5.2.4 Rest of Africa

11 STRATEGIC MARKET INTELLIGENCE

- 11.1 Industry Value Network and Supply Chain Assessment
- 11.2 White-Space and Opportunity Mapping
- 11.3 Product Evolution and Market Life Cycle Analysis
- 11.4 Channel, Distributor, and Go-to-Market Assessment

12 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

- 12.1 Mergers and Acquisitions
- 12.2 Partnerships, Alliances, and Joint Ventures
- 12.3 New Product Launches and Certifications
- 12.4 Capacity Expansion and Investments
- 12.5 Other Strategic Initiatives

13 COMPANY PROFILES

- 13.1 Sims Limited
- 13.2 Radius Recycling, Inc.
- 13.3 Veolia Environnement S.A.
- 13.4 Waste Management, Inc.
- 13.5 Republic Services, Inc.
- 13.6 DS Smith Plc
- 13.7 Cascades Inc.
- 13.8 Indorama Ventures Public Company Limited
- 13.9 ALPLA Group
- 13.10 B. Schoenberg & Co., Inc.
- 13.11 Trex Company, Inc.
- 13.12 GreenMantra Technologies
- 13.13 The Good Plastic Company
- 13.14 Rethmann SE & Co. KG
- 13.15 Jiangxi Copper Group Renewable Resources Co., Ltd.

List Of Tables

LIST OF TABLES

Table 1 Global Recycled Materials for Manufacturing Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global Recycled Materials for Manufacturing Market Outlook, By Material Type (2023-2034) (\$MN)

Table 3 Global Recycled Materials for Manufacturing Market Outlook, By Recycled Plastics (2023-2034) (\$MN)

Table 4 Global Recycled Materials for Manufacturing Market Outlook, By Recycled Metals (2023-2034) (\$MN)

Table 5 Global Recycled Materials for Manufacturing Market Outlook, By Recycled Glass (2023-2034) (\$MN)

Table 6 Global Recycled Materials for Manufacturing Market Outlook, By Recycled Paper & Cardboard (2023-2034) (\$MN)

Table 7 Global Recycled Materials for Manufacturing Market Outlook, By Recycled Textiles & Fibers (2023-2034) (\$MN)

Table 8 Global Recycled Materials for Manufacturing Market Outlook, By Recycled Composites (2023-2034) (\$MN)

Table 9 Global Recycled Materials for Manufacturing Market Outlook, By Other Material Types (2023-2034) (\$MN)

Table 10 Global Recycled Materials for Manufacturing Market Outlook, By Source (2023-2034) (\$MN)

Table 11 Global Recycled Materials for Manufacturing Market Outlook, By Post-Consumer Waste (2023-2034) (\$MN)

Table 12 Global Recycled Materials for Manufacturing Market Outlook, By Post-Industrial Waste (2023-2034) (\$MN)

Table 13 Global Recycled Materials for Manufacturing Market Outlook, By Construction & Demolition Waste (2023-2034) (\$MN)

Table 14 Global Recycled Materials for Manufacturing Market Outlook, By Electronic Waste (2023-2034) (\$MN)

Table 15 Global Recycled Materials for Manufacturing Market Outlook, By Agricultural Waste (2023-2034) (\$MN)

Table 16 Global Recycled Materials for Manufacturing Market Outlook, By Recycling Process (2023-2034) (\$MN)

Table 17 Global Recycled Materials for Manufacturing Market Outlook, By Mechanical Recycling (2023-2034) (\$MN)

Table 18 Global Recycled Materials for Manufacturing Market Outlook, By Chemical

Recycling (2023-2034) (\$MN)

Table 19 Global Recycled Materials for Manufacturing Market Outlook, By Biological Recycling (2023-2034) (\$MN)

Table 20 Global Recycled Materials for Manufacturing Market Outlook, By Thermal Recycling (2023-2034) (\$MN)

Table 21 Global Recycled Materials for Manufacturing Market Outlook, By Application (2023-2034) (\$MN)

Table 22 Global Recycled Materials for Manufacturing Market Outlook, By Building & Construction (2023-2034) (\$MN)

Table 23 Global Recycled Materials for Manufacturing Market Outlook, By Transportation (2023-2034) (\$MN)

Table 24 Global Recycled Materials for Manufacturing Market Outlook, By Textiles & Apparel (2023-2034) (\$MN)

Table 25 Global Recycled Materials for Manufacturing Market Outlook, By Consumer Goods (2023-2034) (\$MN)

Table 26 Global Recycled Materials for Manufacturing Market Outlook, By Industrial Manufacturing (2023-2034) (\$MN)

Table 27 Global Recycled Materials for Manufacturing Market Outlook, By End User (2023-2034) (\$MN)

Table 28 Global Recycled Materials for Manufacturing Market Outlook, By Manufacturing (2023-2034) (\$MN)

Table 29 Global Recycled Materials for Manufacturing Market Outlook, By Packaging Industry (2023-2034) (\$MN)

Table 30 Global Recycled Materials for Manufacturing Market Outlook, By Automotive Industry (2023-2034) (\$MN)

Table 31 Global Recycled Materials for Manufacturing Market Outlook, By Construction Industry (2023-2034) (\$MN)

Table 32 Global Recycled Materials for Manufacturing Market Outlook, By Electronics Industry (2023-2034) (\$MN)

Table 33 Global Recycled Materials for Manufacturing Market Outlook, By Retail & Consumer Goods (2023-2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

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