

# **Global Plastic Recycling Market Analysis: Plant Capacity, Location, Production, Operating Efficiency, Demand & Supply, End Use, Type, Regional Demand, Sales Channel, Company Share, Industry Market Size, Manufacturing Process, 2015-2030**

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## **Abstracts**

H1 2023: The leading players in the Plastic Recycling market on a global scale were Masotina S.p.A, I.blù - Gruppo iren, and Montello S.p.A. In March 2023, PureCycle Technologies and Mitsui & Co. Ltd. announced the signing of a heads of agreement (HOA) for the development and operation of a polypropylene (PP) recycling plant in Japan. This plant will convert PP waste into ultra-pure recycled (UPR) resin, with an annual capacity of 59 thousand tonnes (130 million pounds) with the expected year of completion and operation is 2026. In April 2023, Fost Plus signed a deal with Morssinkhof Plastics Belgium to construct a new plastic recycling facility. The plant will convert polypropylene, polyethylene, and HDPE packaging waste into raw materials for further packaging purposes. The plant will have an annual recycling capacity of 40 thousand tonnes. Fost Plus intends to supply the plant with 24 thousand tonnes of PMD garbage gathered from Belgian residences. Its manufacturing capabilities are reported to include polypropylene solutions such as ready-meal trays, yogurt cups, and butter dishes, as well as HDPE bottles for milk, shampoo and conditioner, detergent, and shower gel. The plant will be operational in October 2024 and will recycle polypropylene (PP) packaging (such as butter tubs and ready-meal trays) as well as polyethylene packaging (such as shampoo and milk packaging). In May 2023, TotalEnergies announced the acquisition of Iber Resinas of Spain, a popular name in the mechanical recycling of plastics. TotalEnergies aimed to grow its production of circular polymers in Europe, improve its access to feedstock through Iber Resinas' supplier network, and expand its portfolio of recycled goods as a result of this acquisition.

The global Plastic Recycling market had reached approximately 55 million tonnes in 2022 and is expected to grow at an impressive CAGR of 5.57% during the forecast period till 2030. The demand for recycled plastics market is projected to grow at a healthy CAGR globally as it finds application in packaging, automotive, building & construction, electrical and electronics industry, among others. Increasing usage of plastics due to their lightweight nature, durability, and other favorable properties led to high demand for plastics thereby adversely affecting the environment. Growing awareness about the benefits of energy-saving and the growing need to reduce the carbon footprint is likely to play a positive role to increase the demand for the global Plastic Recycling market.

Factors such as growing applications of recycled plastics in packaging, electrical & electronics, textile, building & construction, automotive, and other industries in addition to the advantages of using recycled plastics aids in lower energy consumption are likely to fuel the demand for Plastic Recycling in the upcoming years. Increasing government regulation and policies regarding the use of single-use plastics in various countries as well as the surge in investment to develop new technology resulting in higher energy efficiency is expected to foster the market demand. The global Plastic Recycling market is anticipated to reach a number of approximately 84.3 million tonnes in the forecast period of 2030.

Asia pacific region is the largest generator and recycler of plastic waste. This region held about 50 percent of the global Plastic Recycling market in 2022 and are expected to maintain their dominance during the forecast period as well. The introduction of several regulations to promote the use of recycled plastic and the rise in demand for packed and packaged food are the contributing factors expected to strengthen the market growth in the forecast period.

Based on type, the global plastic can be recycled into Polyethylene Terephthalate (PET), Polyethylene (PE), Polypropylene (PP), Polyvinyl Chloride (PVC), Polystyrene (PS), and Others. Although, Polyethylene (PE) is dominating the global Plastic Recycling market. Plastics can be recycled by using methods such as landfill, thermal, mechanical, and chemical methods.

Based on the end-user industry, the global Plastic Recycling market is segmented into Packaging, Building and Construction, Textile, Automotive, Electrical and Electronics, and Others. Due to wide usage in industries like food & beverage, pharmaceutical, and general-use goods, the Packaging industry is dominating the Plastic Recycling market. In 2022, this industry consumed approximately 40% of the market. Furthermore,

Building and Construction industry also holds noticeable market shares.

Major players for Plastic Recycling globally include Masotina S.p.A, I.blù - Gruppo iren, Montello S.p.A., The Alba Group., GT Recycling, STF Group, Jayplas., Indorama Ventures Sustainable Solutions LLC, Viridor Polymer Recycling Limited, NPP 'Polyplastic, Hubert Eing Kunststoffverwertung GmbH, Monoworld Recycling Ltd., Metro Plastic, Clean Tech U.K. Ltd, OOO 'Fantastik Plastik,' and Others.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2030

This report will be delivered on an online digital platform with one-year subscription and quarterly update.

Objective of the Study:

To assess the demand-supply scenario of Plastic Recycling which covers production, demand and supply of Plastic Recycling market in the globe.

To analyse and forecast the market size of Plastic Recycling

To classify and forecast Global Plastic Recycling market based on end-use and regional distribution.

To examine competitive developments such as expansions, mergers & acquisitions, etc., of Plastic Recycling market in the globe.

To extract data for Global Plastic Recycling market, primary research surveys were

*Global Plastic Recycling Market Analysis: Plant Capacity, Location, Production, Operating Efficiency, Demand &...*

conducted with Plastic Recycling manufacturers, suppliers, distributors, wholesalers and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for Global Plastic Recycling market over the coming years.

ChemAnalyst calculated Plastic Recycling demand in the globe by analyzing the historical data and demand forecast which was carried out considering the consumption of raw material to produce Plastic Recycling. ChemAnalyst sourced these values from industry experts and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.

#### Key Target Audience:

Plastic Recycling manufacturers and other stakeholders

Organizations, forums and alliances related to Plastic Recycling distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Plastic Recycling manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

#### Report Scope:

In this report, Global Plastic Recycling market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

#### Attribute

## Details

Market size Volume in 2022

55 million tonnes

Market size Volume by 2030

84.3 million tonnes

Growth Rate

CAGR of 5.57% from 2023 to 2030

Base year for estimation

2023

Historic Data

2015 – 2022

Forecast period

2024 – 2030

Quantitative units

Demand in million tonnes and CAGR from 2023 to 2030

Report coverage

Industry Market Size, Capacity by Company, Capacity by Location, Operating Efficiency, Production by Company, Demand by Type, Demand by End- Use, Demand by Region, Demand by Sales Channel, Demand-Supply Gap.

Segments covered

By End-Use: (Packaging, Building and Construction, Textile, Automotive, Electrical and Electronics, and Others)

By Sales Channel: (Direct Sale and Indirect Sale)

Regional scope

North America, Europe, Asia Pacific, Middle East and Africa, and South America.

Pricing and purchase options

Avail customized purchase options to meet your exact research needs. Explore purchase options

Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a company's specific needs.

## Contents

### **1. INDUSTRY MARKET SIZE**

It is an essential metric for market analysis, as it provides insights into the overall size and growth potential of Plastic Recycling market in terms of value and volume.

### **2. CAPACITY BY COMPANY**

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Plastic Recycling.

### **3. CAPACITY BY LOCATION**

To better understand the regional supply of Plastic Recycling by analyzing its manufacturers' location-based capacity.

### **4. PLANT OPERATING EFFICIENCY [QUARTERLY UPDATE]**

To determine what percentage manufacturers are operating their plants or how much capacity is being currently used.

### **5. PRODUCTION BY COMPANY [QUARTERLY UPDATE]**

Study the historical annual production of Plastic Recycling by the leading players and forecast how it will grow in the coming years.

### **6. DEMAND BY TYPE**

Learn about the various types: Polyethylene Terephthalate (PET), Polyethylene (PE), Polypropylene (PP), Polyvinyl Chloride (PVC), Polystyrene (PS), and Others, and their demands. It will allow you to choose which type to concentrate on when designing your strategy.

### **7. DEMAND BY END- USE [QUARTERLY UPDATE]**

Discover which end-user industry (Packaging, Building and Construction, Textile, Automotive, Electrical and Electronics, and Others) are creating a market and the

forecast for the growth of the Plastic Recycling market.

## **8. DEMAND BY REGION**

Analyzing the change in demand of Plastic Recycling in different regions, i.e., North America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

## **9. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)**

Multiple channels are used to sell Plastic Recycling. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the industry's sales.

## **10. DEMAND-SUPPLY GAP**

Determine the supply-demand gap to gain information about the trade surplus or deficiency of Plastic Recycling.

## **11. COMPANY SHARE**

Figure out what proportion of the market share of Plastic Recycling is currently held by leading players across the globe.

## **12. MANUFACTURING PROCESS**

Discover insights into the intricate manufacturing process of Plastic Recycling.

## **17. PRICING ANALYSIS & FORECAST**

Analyze historical prices since 2015 & Forecast on three months rolling period for next 12 months.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032



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