

Global Waste-Handling Robots Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Waste-Handling Robots market size was valued at US\$ 4346 million in 2025 and is forecast to a readjusted size of US\$ 11014 million by 2032 with a CAGR of 14.2% during review period.

In 2025, global Waste-Handling Robots production reached approximately 84 K units, with an average global market price of around US\$ 50,000 per unit. Annual production capacity is 90 K units. Gross Profit Margin: 39%. Waste-handling robots are automated systems designed to sort, collect, transport, and process waste materials in environments such as recycling facilities, industrial plants, and urban waste systems. The waste-handling robotics industry chain includes upstream suppliers of AI vision systems, sensors, robotic arms, and control software; midstream manufacturers and integrators that build sorting robots, AMRs, and automated recycling lines; and downstream users such as recycling facilities, waste management companies, municipalities, and industrial operators adopting automation to improve efficiency and compliance. This market is rapidly shifting toward AI-driven automation, where robots are becoming essential for improving sorting accuracy and reducing labor dependency, with long-term growth driven by sustainability and circular economy demands.

This report is a detailed and comprehensive analysis for global Waste-Handling Robots market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Waste-Handling Robots market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Waste-Handling Robots market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Waste-Handling Robots market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Waste-Handling Robots market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Waste-Handling Robots

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Waste-Handling Robots market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include TOMRA Systems ASA (OSL: TOM, Norway), AMP Robotics Corp. (Private, USA), ZenRobotics Ltd. (Private, Finland), Bulk Handling Systems, Inc. (Private, USA), Machinex Industries Inc. (Private, Canada), Bollegraaf Recycling Solutions (Private, Netherlands), Waste Robotics Inc. (Private, Canada), Greyparrot AI Ltd. (Private, UK), Sadako Technologies S.L. (Private, Spain), CleanRobotics Inc. (Private, USA), etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Market Segmentation

Waste-Handling Robots market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- AI Vision Sorting Robots

- Optical Sorting Systems

- Robotic Arm Sorting Systems

- Autonomous Mobile Robots (AMRs)

- Integrated Smart Sorting Lines

Market segment by Deployment Model

- Standalone Sorting Robots

- Fully Automated Recycling Plants

- Retrofit Upgrades

- Robotics-as-a-Service (RaaS)

Market segment by Automation Level

- Manual-Assisted Systems

- Semi-Automated Systems

Fully Automated Systems

Autonomous Facility Systems

Market segment by Application

Waste Management Companies

Municipal Governments / Sanitation Bureaus

Recycling Plant Operators

Industrial Manufacturers

E-waste Processing Companies

Major players covered

TOMRA Systems ASA (OSL: TOM, Norway)

AMP Robotics Corp. (Private, USA)

ZenRobotics Ltd. (Private, Finland)

Bulk Handling Systems, Inc. (Private, USA)

Machinex Industries Inc. (Private, Canada)

Bollegraaf Recycling Solutions (Private, Netherlands)

Waste Robotics Inc. (Private, Canada)

Greyparrot AI Ltd. (Private, UK)

Sadako Technologies S.L. (Private, Spain)

CleanRobotics Inc. (Private, USA)

FANUC Corporation (TYO: 6954, Japan)

KUKA AG (ETR: KU2, Germany)

Suzhou JONO Environmental Technology Co., Ltd. (Private, China)

DataBeyond Technology Co., Ltd. (Private, China)

Qinglv Environment Technology Co., Ltd. (Private, China)

PEAKS Eco Tech (Private, China)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Waste-Handling Robots product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Waste-Handling Robots, with price, sales quantity, revenue, and global market share of Waste-Handling Robots from 2021 to 2026.

Chapter 3, the Waste-Handling Robots competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed

emphatically by landscape contrast.

Chapter 4, the Waste-Handling Robots breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Waste-Handling Robots market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Waste-Handling Robots.

Chapter 14 and 15, to describe Waste-Handling Robots sales channel, distributors, customers, research findings and conclusion.

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