

Global Waste-Handling Robots Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GE54B73493E2EN.html>

Date: June 2026

Pages: 152

Price: US\$ 4,480.00 (Single User License)

ID: GE54B73493E2EN

Abstracts

The global Waste-Handling Robots market size is expected to reach \$ 11014 million by 2032, rising at a market growth of 14.2% CAGR during the forecast period (2026-2032).

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 studies the global Waste-Handling Robots production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Waste-Handling Robots and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Waste-Handling Robots that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Waste-Handling Robots total production and demand, 2021-2032, (K Units)

Global Waste-Handling Robots total production value, 2021-2032, (USD Million)

Global Waste-Handling Robots production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Waste-Handling Robots consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Waste-Handling Robots domestic production, consumption, key domestic manufacturers and share

Global Waste-Handling Robots production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Waste-Handling Robots production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Waste-Handling Robots production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Waste-Handling Robots market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Waste-Handling Robots market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Waste-Handling Robots Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Waste-Handling Robots Market, Segmentation by Type:

AI Vision Sorting Robots

Optical Sorting Systems

Robotic Arm Sorting Systems

Autonomous Mobile Robots (AMRs)

Integrated Smart Sorting Lines

Global Waste-Handling Robots Market, Segmentation by Deployment Model:

Standalone Sorting Robots

Fully Automated Recycling Plants

Retrofit Upgrades

Robotics-as-a-Service (RaaS)

Global Waste-Handling Robots Market, Segmentation by Automation Level:

Manual-Assisted Systems

Semi-Automated Systems

Fully Automated Systems

Autonomous Facility Systems

Global Waste-Handling Robots Market, Segmentation by Application:

Waste Management Companies

Municipal Governments / Sanitation Bureaus

Recycling Plant Operators

Industrial Manufacturers

E-waste Processing Companies

Companies Profiled:

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)

Key Questions Answered:

1. How big is the global Waste-Handling Robots market?
2. What is the demand of the global Waste-Handling Robots market?
3. What is the year over year growth of the global Waste-Handling Robots market?
4. What is the production and production value of the global Waste-Handling Robots market?
5. Who are the key producers in the global Waste-Handling Robots market?
6. What are the growth factors driving the market demand?

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