

Global Waste-Handling Robots Market Growth 2026-2032

<https://marketpublishers.com/r/GEF7D4665583EN.html>

Date: July 2026

Pages: 135

Price: US\$ 3,660.00 (Single User License)

ID: GEF7D4665583EN

Abstracts

The global Waste-Handling Robots market size is predicted to grow from US\$ 4131 million in 2025 to US\$ 10966 million in 2032; it is expected to grow at a CAGR of 15.0% from 2026 to 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.

United States market for Waste-Handling Robots is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Waste-Handling Robots is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Waste-Handling Robots is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Waste-Handling Robots players cover 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), etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Waste-Handling Robots Industry Forecast" looks at past sales and reviews total world Waste-Handling Robots sales in 2025, providing a comprehensive analysis by region and market sector of projected Waste-Handling Robots sales for 2026 through 2032. With Waste-Handling Robots sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Waste-Handling Robots industry.

This Insight Report provides a comprehensive analysis of the global Waste-Handling Robots landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Waste-Handling Robots portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Waste-Handling Robots market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Waste-Handling Robots and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Waste-Handling Robots.

This report presents a comprehensive overview, market shares, and growth opportunities of Waste-Handling Robots market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

AI Vision Sorting Robots

Optical Sorting Systems

Robotic Arm Sorting Systems

Autonomous Mobile Robots (AMRs)

Integrated Smart Sorting Lines

Segmentation by Deployment Model:

Standalone Sorting Robots

Fully Automated Recycling Plants

Retrofit Upgrades

Robotics-as-a-Service (RaaS)

Segmentation by Automation Level:

Manual-Assisted Systems

Semi-Automated Systems

Fully Automated Systems

Autonomous Facility Systems

Segmentation by Application:

Waste Management Companies

Municipal Governments / Sanitation Bureaus

Recycling Plant Operators

Industrial Manufacturers

E-waste Processing Companies

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

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 Addressed in this Report

What is the 10-year outlook for the global Waste-Handling Robots market?

What factors are driving Waste-Handling Robots market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Waste-Handling Robots market opportunities vary by end market size?

How does Waste-Handling Robots break out by Type, by Application?

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