

# Waste Sorting Robots Market growing at a CAGR of 19.6% and is projected to reach \$10.1 billion by 2031

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WILMINGTON, DE, UNITED STATES, February 21, 2025 /EINPresswire.com/ -- Global Waste Sorting Robots Market – Industry Growth & Trends

A new report from Allied Market Research, titled "[Waste Sorting Robots Market](#)," highlights that the global waste sorting robots market was valued at \$1.7 billion in 2021 and is projected to reach \$10.1 billion by 2031, growing at an impressive CAGR of 19.6% from 2022 to 2031.

□ Waste sorting robots are advanced AI-driven machines designed to automate the segregation of various waste materials. Equipped with dual robotic arms, these systems can perform up to 4,000 sorting operations per hour, significantly surpassing human efficiency and revolutionizing waste management.

□ Download Sample Report: <https://www.alliedmarketresearch.com/request-sample/A08250>

## Key Market Drivers & Opportunities

The rapid shift toward environmental sustainability and increased focus on waste recycling are fueling market growth. Additionally, the integration of AI-powered sorting technologies, data analytics, and real-time monitoring systems is enhancing the efficiency of waste disposal.

### □ Growth Factors:

- Rising emphasis on automated waste management and sustainability
- Adoption of AI, IoT-enabled sensors, and robotic automation
- Expansion of smart cities and recycling initiatives worldwide

### □ Challenges:

- High initial costs for robotic waste sorting solutions
- Limited adoption in cost-sensitive markets

### □ Opportunities:

- Advancements in robotics and AI are lowering operational costs
- Emerging economies are increasingly investing in automated waste sorting

## Emerging Market Trends

### □ The Rise of AI-Powered Recycling Robots

Waste sorting robots are transforming material recovery facilities (MRFs) by improving efficiency and reducing costs.

AI-vision systems, robotic arms, and grippers are being integrated for precise waste sorting.

### □□ Industrial Expansion Driving Market Demand

Rapid growth in sectors like e-commerce, construction, medical, and automotive is driving waste sorting automation.

Asia-Pacific and LAMEA are seeing a surge in AI-driven waste sorting solutions.

### □ Strategic Partnerships & Acquisitions

In November 2021, Zen Robotics partnered with Eberhard Group to develop AI-based demolition waste sorting, boosting efficiency in recycling.

### Market Segmentation Overview

#### □ By Waste Sorting Type:

□□ Plastic Products Sorting – 38.5% market share in 2021

□□ Metallic Waste Sorting

□□ Wood & Bricks Sorting

□□ Others

#### □ By Application:

□□ Waste Sorting – 76.39% market share in 2021

□□ Recycling

#### □ By End-User:

□□ Municipality – 86.16% market share in 2021

□□ Industrial

#### □ By Region:

□ North America – Market leader in 2021

□ Europe

□ Asia-Pacific – Expected to witness the highest growth

□ LAMEA

□ Purchase Enquiry: <https://www.alliedmarketresearch.com/purchase-enquiry/A08250>

## Leading Companies in the Waste Sorting Robots Market

The market is highly competitive, with key players driving innovation and adopting AI-driven solutions to enhance waste sorting efficiency.

## □ Major Industry Players:

AMP Robotics

Bollegraaf Recycling Solutions

Bulk Handling Systems (BHS)

CleanRobotics

Machinex Industries Inc.

TOMRA Sorting GmbH

Sadako Technologies

Zen Robotics

Waste Robotics

## Key Takeaways from the Study

□ Plastic sorting robots dominated the market in 2021 and continue to lead in revenue contribution.

□ Municipalities emerged as the largest end-user segment, adopting AI-driven waste sorting systems.

□ Asia-Pacific is poised for rapid growth, driven by urbanization and sustainability initiatives.

□ The report provides an in-depth analysis of industry trends, competitive strategies, and emerging opportunities.

□ The global waste sorting robots market is on a fast-track for innovation, unlocking new possibilities for AI-driven waste management and recycling solutions. □

Would you like further insights into competitor analysis or market expansion strategies? Let me know! □

□ Construction Newswire <https://www.linkedin.com/newsletters/construction-newswire-6925036539492126720/>

□ Construction blog <https://www.linkedin.com/newsletters/accuracy-precision-7028605745986248704/>

□ Construction Article <https://www.linkedin.com/newsletters/manufacturing-construction-6950362034999812096/>

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