Autonomous Mobile Robots Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2023

ONE OF THE FASTEST GROWING MARKETS ARC HAS EVER RESEARCHED

Autonomous mobile robots (AMRs) are a form of automatic guided vehicles (AGVs) that can be implemented without any supporting infrastructure like markers or wires or magnets implanted in the floor or precisely located laser targets.

There are two types of autonomous mobile robots, solutions based on fleet management and solutions that rely on picking optimization. Fleet management solutions typically operate with bigger payloads and route the robots from an origin to a destination. Pick optimization robots integrate the movement of machines and people in a process flow designed to increase picking throughput.

This is one of the fastest growing hardware markets ARC has ever encountered. The growth is fueled by the difficulty in hiring workers that want to work in warehouses or factories in North America and Europe, the increased flexibility of these solutions, the boom in ecommerce, and significant venture capital investments in many of the suppliers in this market.

Previous research on this market has not properly distinguished between solutions like Kiva robotic knock off solutions, which are not truly autonomous, and the new generation of truly autonomous robots. Further, past research has grouped together fleet management and pick optimization solutions. These solutions are very different and have very different growth rates.

For more information, please visit us at www.arcweb.com/market-studies/.

RESEARCH FOCUS AREAS

STRATEGIC ISSUES

AMRs are an exciting technology getting a great deal of attention. Among the issues addressed in this study:

- How do warehouse hiring and retention trends affect the value proposition for autonomous mobile robots?
- What ROI can users expect?
- How will the patents leading suppliers have applied for and been granted affect growth?
- What are the implications of Robot as a Service pricing?
- How is venture capital impacting this market?

RESEARCH FORMATS

This research is available as a Market Intelligence Workbook (Excel) and/or a concise, executive-level Market Analysis Report (PDF), with or without detailed charts.

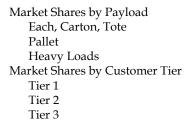
STRATEGIC ANALYSIS

Major Trends Strategies for Buyers Strategies for Product Suppliers Market Share Analysis Market Forecast Analysis

COMPETITIVE ANALYSIS

Market Shares of the Leading Suppliers Market Shares by Region North America Europe, Middle East & Africa Asia Latin America Market Shares by Product Type Fleet Management **Pick Optimization** Market Shares by Revenue Category Hardware Software Implementation Services Maintenance Services Robots as a Service Software as a Service Market Shares by Industry Automotive Machinery Manufacturing Logistics Service Provider Retail

Advisory/Group



MARKET FORECASTS

Total Shipments of AMRs Shipments by Region Shipments by Product Type Shipments by Revenue Category Shipments by Industry Shipments by Payload Shipments by Customer Tier

INDUSTRY PARTICIPANTS

Profiles are provided for leading suppliers, suppliers with significant venture capital investments, and suppliers with interesting solutions and technology. The profiles include a description of the process used by suppliers to support picking.

