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Global Autonomous Mobile Robots for Smart Logistics Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Autonomous Mobile Robots for Smart Logistics market size is expected to reach $ 31389 million by 2032, rising at a market growth of 18.2% CAGR during the forecast period (2026-2032).

In 2025, global Autonomous Mobile Robots for Smart Logistics output reached about 395,000 units versus capacity of roughly 450,000 units, with average unit price USD 24,000, and gross margins near 38%. Autonomous Mobile Robots (AMRs) for Smart Logistics are self-navigating robotic platforms used in warehouses, factories, and distribution centers to transport goods, pallets, totes, or packages without fixed tracks or human guidance, relying on LiDAR, cameras, SLAM algorithms, and AI path-planning to move safely in dynamic environments. Their supply chain begins upstream with core components such as LiDAR and vision sensors (from companies like Velodyne, Ouster, and Hikrobot), industrial cameras and depth modules, edge AI processors and MCUs (NVIDIA, Qualcomm, NXP), batteries and power-management systems (CATL, LG Energy Solution, Panasonic), motors, gearboxes, and drive modules, followed by midstream integration by AMR OEMs that design chassis, navigation software, fleet-management platforms, and safety systems (e.g., Locus Robotics, Geek+, Hikrobot, MiR, Fetch/Zebra, GreyOrange, Quicktron). Downstream, system integrators and intralogistics providers bundle AMRs with warehouse management systems (WMS), conveyors, and automation software, deploying them for e-commerce fulfillment, retail distribution, manufacturing logistics, healthcare supply chains, and parcel hubs, where end users operate fleets as part of a data-driven, flexible "goods-to-person" or "person-to-goods" smart-logistics architecture.

This report studies the global Autonomous Mobile Robots for Smart Logistics

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production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Autonomous Mobile Robots for Smart Logistics 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 Autonomous Mobile Robots for Smart Logistics that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Autonomous Mobile Robots for Smart Logistics total production and demand, 2021-2032, (K Units)

Global Autonomous Mobile Robots for Smart Logistics total production value, 2021-2032, (USD Million)

Global Autonomous Mobile Robots for Smart Logistics production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Autonomous Mobile Robots for Smart Logistics consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Autonomous Mobile Robots for Smart Logistics domestic production, consumption, key domestic manufacturers and share

Global Autonomous Mobile Robots for Smart Logistics production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Autonomous Mobile Robots for Smart Logistics production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Autonomous Mobile Robots for Smart Logistics production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Autonomous Mobile Robots for Smart Logistics market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key

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developments. Key companies covered as a part of this study include Rockwell Automation, Mobile Industrial Robots, OMRON, GEEK+, Amazon Robotics, Zebra Technologies, Seegrid, Quicktron, GreyOrange, Caja Robotics, 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 Autonomous Mobile Robots for Smart Logistics 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 Autonomous Mobile Robots for Smart Logistics Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Autonomous Mobile Robots for Smart Logistics Market, Segmentation by Type:

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LiDAR Based AMRs

Vision Based AMRs

Hybrid AMRs

Global Autonomous Mobile Robots for Smart Logistics Market, Segmentation by Load Capacity:

Light Duty

Medium Duty

Heavy Duty

Global Autonomous Mobile Robots for Smart Logistics Market, Segmentation by Application:

Indoor Environment

Outdoor Environment

Companies Profiled:

Rockwell Automation

Mobile Industrial Robots

OMRON

GEEK+

Amazon Robotics

Zebra Technologies

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Seegrid

Quicktron

GreyOrange

Caja Robotics

IAM Robotics

Kardex

Magazino

Robotnik

KAZE Robotics

KUKA

ABB Robotics

Key Questions Answered:
1. How big is the global Autonomous Mobile Robots for Smart Logistics market?
2. What is the demand of the global Autonomous Mobile Robots for Smart Logistics market?
3. What is the year over year growth of the global Autonomous Mobile Robots for Smart Logistics market?
4. What is the production and production value of the global Autonomous Mobile Robots for Smart Logistics market?
5. Who are the key producers in the global Autonomous Mobile Robots for Smart Logistics market?
6. What are the growth factors driving the market demand?

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