

South & Central America Autonomous Mobile Manipulator Robots Market Forecast to 2030 - Regional Analysis - by Component (Hardware and Software & Services), Type (Picking Robots, Self-Driving Forklifts, and Autonomous Inventory Robots), and End Use (Manufacturing and Distribution & Warehousing)

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Abstracts

The South & Central America autonomous mobile manipulator robots market is expected to grow from US\$ 7.81 million in 2023 to US\$ 32.43 million by 2030. It is estimated to grow at a CAGR of 22.6% from 2023 to 2030.

Growing Demand for Automated Systems Drive South & Central America Autonomous Mobile Manipulator Robots Market

Industry 4.0 is transforming the way companies manufacture, process and distribute their products. They are incorporating new technologies such as the Internet of Things (IoT), robotics, analytics, AI, and machine learning into their facilities to boost operational and production efficiency. Factory automation plays a crucial role in automating the manufacturing process to increase the production output in minimal time and reduce labor costs. In addition, it helps to improve the quality of the products by minimizing the risk of human error. These factors are leading to a rise in the adoption of factory automation in several industries such as healthcare, automotive, and aerospace. Thus, to cater to the growing demand for automation, the market players are launching new solutions. Therefore, the growing demand for automation in various industries is propelling the South & Central America autonomous mobile manipulator robots (AMMR) market growth.

South & Central America Autonomous Mobile Manipulator Robots Market Overview

The South & Central America autonomous mobile manipulator robots market is

witnessing growth owing to the increased export and imports due to the enhanced shipping market. Also, the infrastructure facilities in the region are developing along with the overall development of the region. The rapid increase in IT infrastructure in Brazil is propelling the growth of automation, which is conducive to the growth of automated storage systems in South America. The consumer goods industry is quite large in the region, increasing the implementation of automated storage systems will create the demand for AMMR to ease the logistics operations.

AMMR plays an important role in order fulfillment in the e-commerce industry. Brazil's e-commerce industry rose by 31% in the first six months of 2021 compared to the first six-month of 2020. In addition, the total number of orders increased by 7.4%. The growing number of online shoppers is propelling e-commerce establishments, which bolsters the need for warehouses in various South American Countries. Hence, the growing e-commerce industry in the region is driving the market growth.

South & Central America Autonomous Mobile Manipulator Robots Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Autonomous Mobile Manipulator Robots Market Segmentation

The South & Central America autonomous mobile manipulator robots market is segmented into type, payload, application, end user industry, and country.

Based on type, the South & Central America autonomous mobile manipulator robots market is bifurcated into differential and omni-directional. In 2023, the differential segment registered a larger share in the South & Central America autonomous mobile manipulator robots market.

Based on payload, the South & Central America autonomous mobile manipulator robots market is segmented into -5 kg, 5-10 kg, 10-20 kg, and 20 kg & above. In 2023, the 10-20 kg segment registered the largest share in the South & Central America autonomous mobile manipulator robots market.

Based on application, the South & Central America autonomous mobile manipulator robots market is segmented into sorting, pick & place, inventory management, and others. In 2023, the pick & place segment registered the largest share in the South & Central America autonomous mobile manipulator robots market.

Based on end user industry, the South & Central America autonomous mobile manipulator robots market is segmented into healthcare, space, assembly, and others. In 2023, the others segment registered the largest share in the South & Central America autonomous mobile manipulator robots market.

Based on country, the South & Central America autonomous mobile manipulator robots market is segmented into Brazil, Argentina, and the Rest of South & Central America. In 2023, Brazil registered the largest share in the South & Central America autonomous mobile manipulator robots market.

OMRON, Kuka AG, Hans Laser Technology, and Zebra technologies (Fetch Robotics)

are some of the leading companies operating in the South & Central America autonomous mobile manipulator robots market.

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