

Delivery Robots Market: Segmented By Components (Hardware and Software): By Load Carrying Capacity (More than 50kg, Up to 10 kg, 10.1 to 50.00kg): By Number Of Wheels (3 Wheels, 4 Wheels, 6 Wheels): By End-user (Food and Beverage, Retails and Postal and others) Global Analysis by Market size, share & trends for 2020-2021 and forecasts to 2031

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Abstracts

[177+ Pages Research Report] Delivery Robots Market to surpass USD 456.006 million by 2031 from USD 10.16 million in 2021 at a CAGR of 46.29% within the coming years, i.e., 2021-31.

Product overview

Delivery Robot is an automatic robot that carries your delivery directly to your door. These robots aren't walking and talking like humans, they rather are attractive delivery vessels on six wheels or four or many, resembling hulks but are friendly-looking. For delivery facilities, you make your purchase through an application with vendor based on site. The robot wheels to the vendor for shopping, drinks, foods, and any others, and then it makes its path towards your home.

Market Highlights

Delivery Robots Market is predicted to project a notable CAGR of 46.29% in 2031

Together with the reduction in delivery costs in last-mile deliveries, and increase in project capital are the major factors driving the growth of the market. Furthermore, worldwide growth of e-business are feature driving the growth of the market.

Recent Development

In September 2020, a partnership was made between Save Mart Companies and Starship Technologies for providing on-demand delivery.

In August 2020, Kuayue Express group, a China-based company, acquired JD.com.

Delivery Robots Market: Segments

Hardware Component segment to grow with the highest CAGR during 2021-2031

Delivery Robots Market is segmented by Components into Hardware and Software. Hardware components held a major share of the Delivery Robots market. The greater market segment of hardware can be qualified to the expensive mechanisms such as LiDAR sensors and Radars. Yet, the market for Hardware components is expected to grow at a higher CAGR during the forecast period due to the increased demand for delivery robots with auto navigation and autonomous decision-making capabilities.

4-Wheeled Delivery Robot Segment to grow with the highest CAGR during 2021-2031

The market for 4-wheeled delivery robots accounted for the largest market share. Companies propose four-wheeled robots for transporting groceries, food orders, packages, flowers, and boxes among other things. Decreasing the distance between the rear and front set of wheels will result in better zero-radius rotating in any wanted track with 4-wheeled robots. Hence, 4-wheeled delivery robots reported for the largest market share.

Delivery Robots Market: Market Dynamics

Drivers

Reduction in delivery costs

In many supply cables, the last stage of product distribution, from the distribution hub to the end-user, holds almost 29% of the product's total carriage cost. Other features affecting the delivery are crowding in urban areas, distant sites, unacceptable or improper address details, and a simple labor shortage for offering on-demand delivery services. All these features hold back the optimization of this segment. In the world of electronic commerce, clients are not only demanding but they are inclined toward buying top-quality products at a lower price. The starter of delivery robots in e-commerce will not only give customers greater suitability at a reduced cost but also meaningfully modify the competitive site.

Rise in adoption of delivery robots post COVID-19

The continuing COVID-19 disease has put a world limelight on Delivery Robots for contactless package distributions, and marvelous market interest has been driving delivery robot manufacturers to provide large-scale procedures in several countries. The placement and diffusion of delivery robot skills during the pandemic is likely to increase the market for delivery robots. Delivery robots are also being accepted for distribution of food from restaurants. Delivery robots have been working for many years now however, during the pandemic, delivery robots have witnessed a noteworthy flow in attention by end-users, which includes grocery stores, restaurants, and other delivery service companies.

Restraints

Severe protocols relating to operations of Delivery Robots

The fact that delivery robots make use of public circulation area chosen to pedestrians bind them to operate under a lawful, controlling framework. Most western permit authorities hold the manufacturer responsible for the offense of carelessness if the delivery robot causes any damage or injury to a user or nearby human.

Impact of the COVID-19 on the Delivery Robots Market

The arrival of the COVID-19 pandemic has now become a universal matter and has also affected the development of the delivery robots market. Global sales of Delivery Robots for key verticals such as food and beverage, and healthcare and retail industry are predicted to increase in the forecast period. The social distancing rules imposed by the government in various countries has driven the growth as delivery robots do not need social involvement. During this period the Delivery Robots have been adopted by the food & beverages industries and have helped customers receive deliveries from restaurants, and also help in grocery shopping.

Delivery Robots Market: Key Players

Starship Technologies (US)

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Starship Technologies (US)

JD.com (China)

Panasonic System Solutions Asia Pacific (Singapore)

Savioke (US)
Nuro (US)
Amazon Robotics (US)
Robby Technologies (US)
Boston Dynamics (US)
Robomart (US)
Segway Robotics (US)
Postmates (US)
Effidence (France)
Ottonomy IO (US)
Eliport (Spain)
Other prominent players

Delivery Robots Market: Regions

Delivery Robots Market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific, and the Middle East, and Africa. North America is estimated to contribute the largest share of the Delivery Robots Market during the forecast period. Many of the chief market manufacturers are based on this region, and also the region has a great sum of startups and constructors working toward the growth of delivery robotic technology. The North American market holds a major share of the global market. The market in the region is projected to register the highest CAGR during the forecast period. Asia Pacific is also estimated to expand at higher rate.

Delivery Robots Market is further segmented by region into:

North America Market Size, Share Trends, Opportunities, Y-o-Y Growth, CAGR-United States and Canada

Latin America Market Size, Share Trends, Opportunities, Y-o-Y Growth, CAGR-Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share Trends, Opportunities, Y-o-Y Growth, CAGR- United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share Trends, Opportunities, Y-o-Y Growth, CAGR-India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

Middle East and Africa Market Size, Share Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Delivery Robots Market report also contains analysis on:

Delivery Robots Market Segments:

By Components

Hardware

Software

By Load Carrying Capacity

More than 50kg

Up to 10 kg

10.1 to 50.00kg

By Number Of Wheels

3 Wheels

4 Wheels

6 Wheels

By End-user

Food and Beverage

Retails and Postal

others

Delivery Robots Market Dynamics

Delivery Robots Market Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value chain of the Market

Market Drivers and Restraints

Delivery Robots Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2021 USD 10.16 million

Revenue forecast in 2031 USD 456.006 million

Growth Rate CAGR of 46.29% from 2021 to 2031

Base year for estimation 2021

Quantitative units Revenue in USD million and CAGR from 2021 to 2031

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Components, Load Carrying Capacity, Number of Wheels, End-user, and Region

Region scope North America; Europe; Asia Pacific; Latin America; Middle East & Africa (MEA)

Key companies profiled Starship Technologies (US), JD.com (China), Panasonic System Solutions Asia Pacific (Singapore), Savioke (US), Nuro (US), Amazon Robotics

(US), Robby Technologies (US), Boston Dynamics (US), Robomart (US), Segway Robotics (US), Postmates (US), Effidence (France), Ottonomy IO (US), Eliport (Spain)

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**The above given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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