

# Restaurant Delivery Robot Market to Grow from USD 14.30 Billion in 2023 to USD 102.76 Billion by 2032 | SNS INSIDER

*The Restaurant Delivery Robot Market Driven by rising demand for automation, using AI and robotics to enhance food delivery efficiency, speed, and cost savings.*

AUSTIN, TX, UNITED STATES, February 7, 2025 /EINPresswire.com/ -- Market Size & Industry Insights

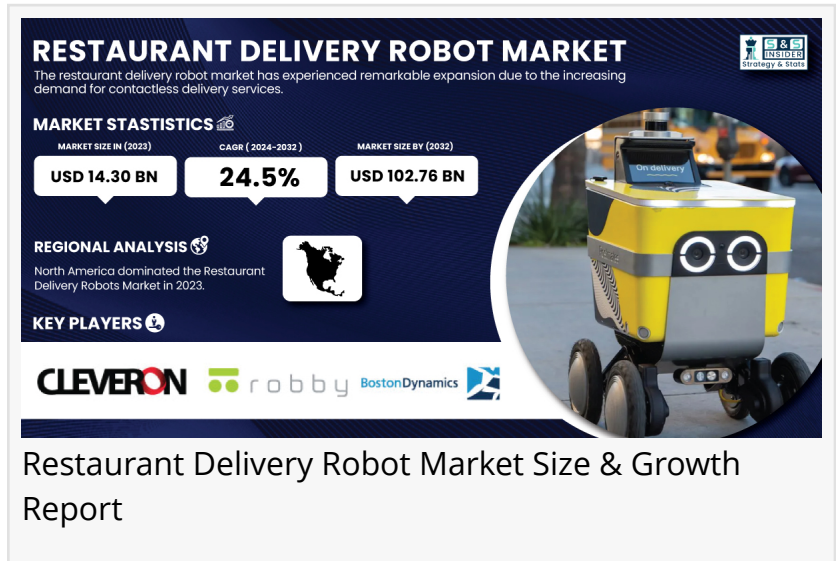
As Per the SNS Insider, "The [Restaurant Delivery Robot Market](#) was valued at USD 14.30 billion in 2023 and is expected to grow to USD 102.76 billion by 2032, at a CAGR of 24.5% over the forecast period of 2024-2032."

The growth of the restaurant delivery robot market is being driven by a number of factors, including the growing demand for contactless delivery options, labor shortages, and technological advancements in robotics and artificial intelligence. The cost-effective, efficient, low hassle and low-risk delivery solutions offered by these robots contribute to value-added benefits to customers and delivery time reduction.

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SWOT Analysis of Key Players as follows:

- Amazon Robotics
- Robby Technologies
- Cleveron
- Eliport
- Boston Dynamics
- Miso Robotics
- Starship Technologies



- Cyan Robotics
- Kitchen Robotics
- Bear Robotics
- Relay Robotics
- XRobotics
- Pudu Robotics

#### Key Market Segmentation:

**By Type:** In 2023, the market was dominated by semi-autonomous delivery robots due to the balanced automation and human intervention they offer in order to maximise both the safety and efficiency of last mile deliveries. These robots can do most things without human intervention, but have human supervision when needed, which makes them more functional and reliable for different environments in the restaurant and delivery industry.

**By Service Type:** The limited segment dominated the restaurant delivery robot market share in 2023, owing to its controlled and predictable environment of operation (indoor restaurants, hotels, and dedicated sidewalks). These robots move around in pre-defined area which is safe, & are reliable, as well as fall under the regulatory guidelines.

**By Restaurant Type:** The independent segment dominated the restaurant delivery robot market share in 2023, which is attributed to AI, LiDAR, computer vision, and multi-dimensional mapping technology developments that allow robots to autonomously navigate unstructured, dynamic environments. They cut down delivery costs, made it faster, and the whole process became more customer-facing as there were no human deliveries through these robots.

**By Load Capacity:** The 10-50 kg segment dominated the restaurant delivery robot market share in 2023, which is characterized by its optimum payload capacity enabling it to carry multiple food orders while maintaining a compact and agile form factor. This so-called was a perfect mix of the operational efficiency of a restaurant and cost-effectiveness of the food delivery businesses.

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#### KEY MARKET SEGMENTS:

##### By Type

Fully Autonomous

Semi-Autonomous

##### By Service Type

Full-Service

Limited

By Restaurant Type

Chained

Independent

By Load Capacity

Up to 10 Kg

10-50 Kg

More Than 50Kg

North America Leads Restaurant Delivery Robot Market as Asia Pacific Poised for Rapid Growth

North America held the larger portion of the restaurant delivery robot market share, this is due to the supportive pricing dynamics that are impacted by high labor costs and the quick penetration rate of automation technology along with a continuous supportive infrastructure for autonomous-based technologies. This increased the demand for contactless food delivery, which, along with the presence of major robotics companies, fueled demand for the market. The beneficial regulatory conditions and excellent city infrastructure of the region added to the mass deployment in restaurants, hotels, and food delivery services.

Asia Pacific is anticipated to experience the highest CAGR during the forecast period (2024-2032) owing to rapid urbanization, booming food delivery industry and increasing investments in robotics. As in many technology areas, China, Japan, and South Korea are emerging leaders in AI and automation, thus make these regions a major market for this development. Increases in labor shortages and growing government support for robotics innovation are also fueling adoption.

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Recent Developments:

-In August 2024, UNM Food partners with Starship Technologies and Grubhub to launch autonomous robot food delivery on campus, enhancing convenience and efficiency.

-In September 2025, Coco expands its hybrid fleet of food delivery robots, partnering with Uber Eats for a major urban rollout in Los Angeles and Chicago.

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