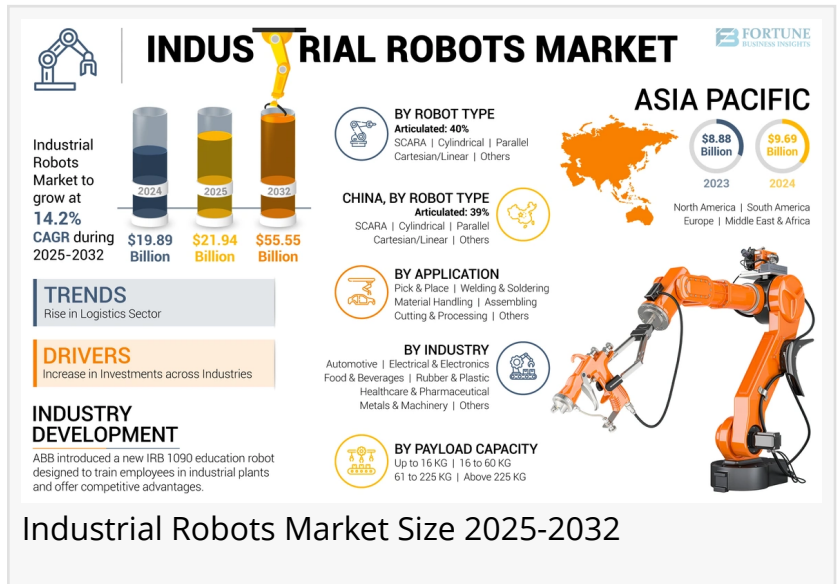


# Industrial Robots Market Projected to Hit USD 55.55 Billion by 2032

Key companies covered in the industrial robots market report are YASKAWA ELECTRIC CORPORATION, Mitsubishi Electric Corporation, NACHI-FUJIKOSHI CORP., Kawasaki

PUNE, MAHARASHTRA, INDIA, March 18, 2025 /EINPresswire.com/ -- In 2024, the global [industrial robots market](#) was valued at USD 19.89 billion and is expected to expand from USD 21.94 billion in 2025 to USD 55.55 billion by 2032, reflecting a CAGR of 14.2% during the forecast period. Asia Pacific led the market in 2024, holding a dominant share of 48.72%, driven by strong manufacturing and automation advancements. In the U.S., the industrial robots market is anticipated to experience substantial growth, reaching approximately USD 7.61 billion by 2032, fueled by increasing automation in the logistics sector.



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Universal Robots opened a new manufacturing facility in Barcelona, Spain. The facility is of 1,500 square meters and can sell around 39,000 cobot units around the globe.”

*Fortune Business Insights*

The Industrial Robots Market is expanding rapidly due to the increasing adoption of automation in manufacturing. Industrial robots are programmable machines designed to perform repetitive tasks with precision, enhancing productivity, reducing operational costs, and improving product quality across industries. These robots consist of robotic controllers, manipulators, end-effectors, drives, and sensors, with AI-powered vision systems and microphone-based sensors enabling real-time environmental detection.

The market is witnessing high demand across sectors such as automotive manufacturing, electronics production, pharmaceuticals, and food & beverage processing. The integration of AI, IoT, and machine learning is further advancing robotic capabilities, making them more adaptable and efficient. As companies focus on smart factories and Industry 4.0, investments in

collaborative robots (cobots) and autonomous robotic systems are increasing, fueling market growth.

The industrial robotics sector is experiencing significant expansion, driven by the increasing adoption of automation and smart manufacturing technologies across various industries. This surge in demand for automated robotic systems is primarily fueled by the growing implementation of Industry 4.0 practices and the rapid rise of electric vehicles worldwide. Additionally, advancements in the automotive and transportation industries have further accelerated the need for industrial robots to streamline production processes.

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List of Top Industrial Robots Companies:

- ABB (Switzerland)
- YASKAWA ELECTRIC CORPORATION (Japan)
- Mitsubishi Electric Corporation (Japan)
- NACHI-FUJIKOSHI CORP. (Japan)
- Comau SpA (Italy)
- KUKA AG (Germany)
- FANUC CORPORATION (Japan)
- DENSO CORPORATION. (Japan)
- Kawasaki Heavy Industries, Ltd. (Japan)
- Omron Corporation (Japan)
- Staubli (Switzerland)
- Universal Robots (Denmark)

Impact of Technology on the Market:

"Smart Technologies Driving Market Growth"

The adoption of AI, machine learning, cloud robotics, edge computing, and advanced sensors has enhanced the capabilities of humanoid robots. These technologies improve efficiency, reduce costs, and enable precision, making robots valuable across industries such as automotive, manufacturing, electronics, and healthcare.

Market Dynamics

Market Drivers:

"Rising Investments in Robotics"

Increased investments in robotics are driving demand across industries like pharmaceuticals, consumer electronics, and packaging. Companies are rapidly deploying robots to enhance production and reduce costs. For example, in July 2022, ABB Ltd launched the IRB 365 delta

robot, designed for fast and precise picking applications, boosting industrial efficiency.

#### Market Restraints:

##### "High Costs and Maintenance Challenges"

The high initial investment and maintenance costs hinder market growth, especially for small and medium-sized enterprises. Robots can cost between USD 25,000 and USD 100,000, making adoption challenging in cost-sensitive industries.

#### Market Opportunities:

##### "Emerging Markets Fueling Growth"

Rising adoption in economies like India, China, and Japan, along with government investments, is expanding the market. The European Union's "Horizon Program" allocated USD 780 million in 2020 to advance robotics, highlighting global growth opportunities.

#### Market Trends:

##### "Robotics in Logistics and E-commerce"

The surge in e-commerce has increased demand for humanoid robots in logistics and warehousing. Automation enhances efficiency and cost savings. The International Trade Administration projects global e-commerce sales to grow by 14.4% from 2023 to 2027, further driving robotic adoption.

#### Segmentation:

- By Robot Type: Articulated, SCARA, Cylindrical, Cartesian/Linear, Parallel, Others (Delta, etc.)
- By Application: Pick & Place, Welding & Soldering, Material Handling, Assembling, Cutting & Processing, Others (Painting, etc.)
- By Payload Capacity: Up to 16 KG, 16 to 60 KG, 61 to 225 KG, Above 225 KG
- By Industry: Automotive, Electrical & Electronics, Healthcare & Pharmaceutical, Food & Beverages, Rubber & Plastic, Metals & Machinery, Others (Construction, Defense, etc.)

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#### Regional Insights:

Asia Pacific led the market in 2023 and is expected to witness significant growth, driven by expanding automotive, manufacturing, and e-commerce sectors. Increasing automation in China, India, and Japan further accelerates market expansion. China is set to dominate due to rising demand in industrial and automotive sectors, along with a shrinking workforce pushing automation adoption.

Europe is experiencing rising demand for humanoid robots due to automation in manufacturing and growth in automotive, food & beverage, and chemical industries. Countries like Germany, France, Italy, and the U.K. are key contributors, with increasing vehicle production fueling

adoption. In 2023, new car sales in Europe surged by 14%, further boosting market demand. North America is also seeing increased adoption in electronics, automotive, pharmaceuticals, and food & beverage industries. SCARA robots are particularly in demand in the U.S. and Canada, with the automotive sector contributing 3% to the U.S. GDP in 2024. Government investments in robotics further support market expansion.

The Middle East & Africa market is expected to grow moderately, supported by increasing industrial automation and government investments in robotic technologies. Expanding automation across various sectors is fueling market demand. Latin America is projected to grow steadily, driven by the expansion of the automotive and food & beverage industries. The adoption of Industry 4.0 practices is also enhancing demand for humanoid robots in manufacturing and logistics.

#### Key Industry Developments:

-September 2024: KUKA AG announced plans to introduce the KR SCARA robot, designed for the automotive and pharmaceutical sectors. This robot offers a payload capacity of 60 kg while ensuring high precision, speed, and accuracy. It will be available in three reach options: 800 mm, 1000 mm, and 1200 mm.

#### Related Insights:

[Collaborative Robots Market](#) Size, Share Report, 2032

[Service Robotics Market](#) Size, Share Report, 2032

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