

Industrial Robotics - Global Market Outlook (2017-2026)

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Abstracts

According to Statistics MRC, the Global Industrial Robotics Market is accounted for \$35.59 billion in 2017 and is expected to reach \$97.41 billion by 2026 growing at a CAGR of 11.8% during the forecast period. Increase in investments for automation in industries, increase in demand for low-cost industrial robots and growing demand from SMEs in developing countries are the key driving factors for the market growth. However, high overall installation cost for low-volume production applications are some of the factors hindering the market growth.

Industrial robots refers to a programmed device that performs its functions based on defined algorithms and can be re-programmed in more than one axis. Industrial robots can be either mobile mounted at fixed positions which can be utilized for factory applications. These are used as transportation devices in manufacturing industries. Light weight industrial robots are speculated to expand their scope in automotive and small scale industry at a more extensive level.

Based on Category, the Articulated Robots segment accounted for considerable market share during the forecast period. An articulated robot is a robotic arm that uses rotary joints to execute correct movements regularly and gradually. They give the manufacturer added versatility, thus making them attractive. An articulated robot can improve the company's productivity through better accuracy and speed, indirectly enhancing quality of the product being produced. With the ability to perform a multitude of tasks in industrial operations, articulated robots have witnessed extensive acceptance over the years, with the robots dominating the current landscape. Numerous industries are more deploying these robots to automate processes, adding to the demand for these systems.

Geographically, Asia Pacific is likely to hold the largest market share. The low cost of production, enabling a variety of manufacturers to set up their manufacturing units in APAC, particularly in countries such as China, Korea, and India, is the key factor driving the market in APAC.

Some of the key players profiled in the Industrial Robotics Market include ABB Ltd, Adept technology, Apex automation & robotics, CMA Robotics S.P.A, Comau S.P.A, Daihen Corporation, Denso Corporation, Ellison, Fanuc Corporation, Fujikosi, Kawasaki Heavy Industries Ltd, Kuka AG, Mitsubishi Electric Corporation, Nachi-Fujikoshi Corp, Omron Adept Technologies Inc, Panasonic Corporation, Seiko Epson Corporation, Stäubli International AG, Universal Robots A/S and Yaskawa Electric Corporation.

Configurations Covered:

Mounted

Mobile

Cobots / Collaborative Robots

Payloads Covered:

0-20 KG

20-80 KG

80-300 KG

300-1000 KG

1000 - 3000 KG

Other Payloads

Components Covered:

Manipulator

Sensor Devices

Robot Tooling

RCU - Robot Controller Unit

Categories Covered:

Articulated Robots

SCARA Robots

Cylindrical Robots

Cartesian or Gantry or Rectangular Arm Robots

Delta or Parallel Robots

Polar or Spherical Robots

Dual arm

Redundant

Human-assist robots

Firefighting robots

Other Categories

Applications Covered:

Welding

Material Handling

Industrial Material Removal & Inspection Systems

Dispensing

Coating

Soldering

Ironing

Machine tending

End Users Covered:

Automotive & Auto Parts

Electrical & Electronics

Food & Beverages

Metal Fabrication

Packaging and Palletization

Pharmaceuticals

Chemical

Construction

Consumer

Biotechnology

Communication

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market

estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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