

Robotics Technology Market By Component (Hardware, Software, Service), By Robot Type (Traditional Industrial Robots, Cobots, Professional Service Robots, Others), By Application (Manufacturing, Healthcare, Aerospace and Defense, Media and Entertainment, Logistics, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032

Market Report | 2023-08-01 | 245 pages | Allied Market Research

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Report description:

Robotics technology is the technological field that primarily focuses on the research and development of robots. Robots are made of some kind of mechanical design. A robot's mechanical component enables it to perform activities in the environment for which it was created. Electrical parts are necessary for controlling and powering the equipment of robots. Essentially, the vast majority of robots require an electric current to function, such as that provided by a battery.

Moreover, sensors and data gathering systems are combined with robotics technology to obtain important data about processes, goods, and surroundings. It enables human-robot collaboration, where robots work alongside humans to complement their skills and abilities. In addition, the rise in investments initiatives taken by several government authorities and public & private organization in robotics technology to expand their product portfolio and enhance the consumer experience further create numerous opportunities for the global market growth.

Additionally, a variety of advantages, such as an improvement in production and efficiency, are provided by robot technology. Robots can quickly and accurately do repetitive jobs, boosting productivity in manufacturing, shipping, and other industries. In addition, a variety of businesses, including the healthcare sector, have adopted robot technology, which expands the market's wealth-generating prospects. In addition, the integration of intelligent AI solutions in various applications has the potential to create several benefits for businesses and end users. Moreover, these numerous benefits provide enhanced customer convenience and a better user experience. Consequently, robotics technology is gaining significant adoption to increase the use of automation systems among business operators. These factors positively impact the growth of the market in the forecast period.

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Moreover, robotic automation can streamline processes, optimize resource utilization, and improve overall operational efficiency, as well as providing enterprises with a great opportunity in the global market. Additionally, the growing trend of digitally enabled solutions is the major factor driving the market growth.

Also, rise in penetration of digital technologies and increase in demand of flexible business solutions and services in several industries are expected to positively impact the growth of the robotics technology market. In addition, robots can consistently perform tasks with a high level of accuracy, eliminating human errors and variations, this leads to improved product quality, standardized processes, and reduced defects. These measures are expected to fuel the growth of the market during the forecast period. Furthermore, the surge in the need for automation and safety in organizations and the growing availability of cost and energy-efficient robots drive the growth of the market. In addition, rising labor & energy costs and increased usage of robotics technology in different industry verticals fuel the growth of the market.

The robotics technology market is segmented into component, robot type, application, and region. In terms of component, it is bifurcated into hardware, software, and services. Based on the robot type, the market is segmented into industrial robots, service robots, and mobile robots. In terms of application, the market is segmented into healthcare, defense and security, automotive, aerospace, infrastructure, industrial and residential. Region-wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The market players operating in the robotics technology market are ABB Ltd, Denso Corporation, Fanuc Corporation, KUKA AG, Kawasaki Robotics (Kawasaki Heavy Industries, Ltd.), Mitsubishi Electric Corporation, OMRON Corporation, Seiko Epson Corporation, Staubli International AG and Yaskawa Electric Corporation. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, which help to drive the growth of the robotics technology market globally.

Key Benefits for Stakeholders

- The study provides an in-depth analysis of the robotics technology market forecast along with the current and future trends to explain the imminent investment pockets.
- Information about key drivers, restraints, and opportunities and their impact analysis on robotics technology market trends is provided in the report.
- The Porter's five forces analysis illustrates the potency of the buyers and suppliers operating in the industry.
- The quantitative analysis of the robotics technology market from 2022 to 2032 is provided to determine the market potential.

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- Investment Opportunities
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- Regulatory Guidelines
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- Additional company profiles with specific to client's interest

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 - Yaskawa Electric Corporation
 - Denso Corporation
 - Staubli International AG
 - Seiko Epson Corporation
 - OMRON Corporation

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