

World Congress on Robotics and Automation: Market Analysis

Dr. Philip R. Buskohl

Market Analysis

[Robotics Congress 2020](#) greets every attendee, presenters and exhibitors from all over the world to join the conference to be held on **September 23-24, 2020** in **San Francisco, USA**. The organizing committee of "[Robotics Congress 2020](#)" is organizing an exciting and informative conference program including informative lectures, symposia, workshops on different topics, poster presentations and various programs for participants from all over the world. We are delighted to invite all the attendees, researchers, students, entrepreneurs, Presenters, Sponsors and Exhibitors to register and attend the conference [Robotics Congress 2020](#). Thus, attend the conference and create a platform to share information, recent technologies and searching the bright scope in the field of Robotics and Artificial Intelligence.

The market size of universal industrial robotics was estimated at USD 31.45 billion in 2016. The CAGR is expected to be roughly 7.0% over the forecast period. Emerging focus on improving the competitiveness of high-volume production lines, especially in the manufacture of automobiles and electronic devices, is one of the trends that accelerate market growth.

The movement of robots with integrated vision and contact, which improve the efficiency and pace of delivery systems, is expected to accelerate the growth of the industry. Like their counterparts, new generation robotics has human-like characteristics such as consciousness, durability, memory, learning capacity, and object detection. With the introduction of robotic technology, companies are able to benefit from various financial benefits, such as decreased overhead costs, increased productivity, minimized waste and versatility. Recent developments in artificial intelligence, such as machine learning, deep learning and the creation of thinking [robotics](#), are expected to drive the market.

Robotics and Artificial intelligence include many engineering domains in one field like computer science engineering, electronics engineering, mechanical engineering, and other engineering domain. With the help of AI now the robot can express their emotions. Thanks to Robotics and Artificial intelligence now we have smart home technology, smart voice assistant, self-driving cars and many more. Also, thanks to all researchers and engineers to make this field very important in the market.

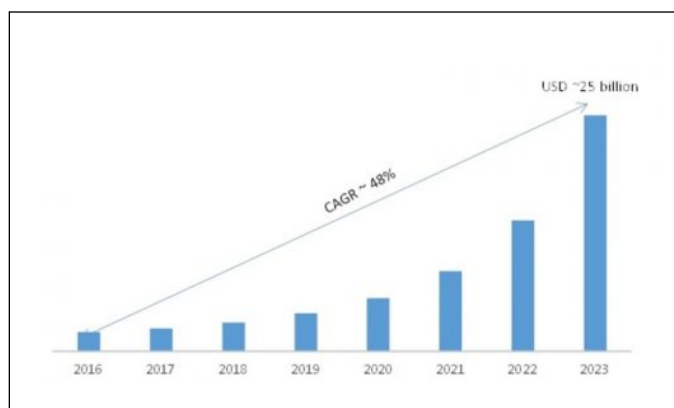
Supporting government policies by schemes including R&D grants, innovation in expertise, tax incentives and loans in countries such as China, Korea and Taiwan was expected to work for the benefit of the overall market. The European Union (EU) has invested USD 872 million in the SPARC [robotics](#) programme, which is expected to create more than 240,000 jobs in Europe by 2020.

The [robotics market](#) is divided under North America, Europe, and Asia Pacific and the rest of the world. Europe precedes the robotics market at the highest usage of industrial robots. The Asia Pacific exhibits the fastest growth in the robotics market, majorly due to the presence of emerging countries like China, Japan, South Korea, and Taiwan.

Some of the main countries leading to the industrial [robotics](#) industry include Germany, South Korea, Japan, China and the United States. The Asian Pacific area dominated the market with a revenue share of more than 52.0 per cent in 2016 and is expected to remain dominant throughout the forecast period. The field also has the highest number of units delivered in 2016, which were nearly 151 thousand units. A significant CAGR is projected to be reported during the forecast period.

Major industrial robot production centers in Asia Pacific include China, Japan, Korea and Taiwan. Japan and South Korea are already at the forefront of the regional market in the introduction of industrial robots. The thriving electronics industry can be due to the overall rapid growth of the economy in these nations. Main market-dominant players include firms such as YRG, ABB, Toshiba Computer, Panasonic Corporation, Omron Adept Technologies, Fanuc Robotics, DENSO Group, Mitsubishi Electric Company, EPSON Electronics. Market players often need a high level of funding and innovation to improve goods and strengthen their position in the market, leading the way.

The general competitive action of the big players on the market is to seek out new disruptive markets, such as lightweight [robotics](#), and to talk of traditional heavy industrial robots while keeping a foothold in that field. Individual robots, designed in a specific work area, are generally preferred over traditional robots in the manufacturing sector. China has already been the engine for commercial robotics, responsible for 60 per cent of total revenue.



Nevertheless, the Chinese government has some more plans in place that put it on course to dominate the demand for non-industrial robots by 2025. Analytics reveals that by 2025, China will be the leading country for industrial [robotics](#), business automation and autonomous vehicles. This is in line with China's goal of becoming a leading player in AI, which will set up a foundation that involves home-grown AI semiconductor firms, comprehensive software and hardware systems that can catch AI in a variety of consumer hardware products and in a flexible network of large and small companies that feed into the innovation process.

The general strategic strategy of the big players on the market is to seek out new innovative technologies, such as light [robotics](#), and to think about conventional heavy industrial robots while maintaining a presence in the sector. Human robots, built in a particular field of work, are generally preferred over conventional robots in the manufacturing sector. China has already been the powerhouse of industrial robotics, accounting for 60 per cent of total revenue.

The meeting was distinguished by the presence of youthful and innovative scholars, industry representatives and creative student groups from more than 12 nations, who have rendered this event a success story. The conference featured a number of sessions on latest retroviral work.

According to resource the [robotics](#) market was valued at USD 31.78 billion in 2018 and is expected to register a CAGR of 25% over the forecast period

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of 2019-2024. In the field of AI, Gartner predicts the business value created by AI will reach \$3.9T in 2022 and IDC predicts worldwide spending on cognitive and Artificial Intelligence systems will reach \$77.6B in 2022.

Target Audience

- Students
- Business Entrepreneurs
- Industry professionals
- Directors/Managers/CEO's
- Presidents & Vice Presidents
- Research faculty

- Providers of Robotics and AI Services
- Brand Manufacturers/ Marketers of Consumer Products
- Marketing, Advertising and Promotion Agency Executives

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