

# Analyzing the Global Robots Industry

<https://marketpublishers.com/r/AA45242D13FEN.html>

Date: November 2011

Pages: 50

Price: US\$ 350.00 (Single User License)

ID: AA45242D13FEN

## Abstracts

Robotics is breaking out of the niche markets it had been shunted too, promising to grow to \$30 billion by 2016. The significant uptick is mainly due to explosive growth in commercially viable professional service, military, and security robots, in addition to its tradition strengths in manufacturing, medicine, surgery, planetary exploration, and the handling of hazardous materials. The industrial robots segment is the largest segment followed by professional service robots.

The global market for robots experienced great hype during the first decade of the new millennium, but was hit hard by the recession which flattened its growth before 2009. However, by 2010 robots were back on track and are expected to continue healthy growth through 2016. Most robots work in industrial settings performing highly specialized jobs, but a new breed of domestic, professional, and security robots are opening the door to a new era of smarter robots that can handle open environments and less precise instructions.

ABB Robotics is the leading player in the global Robots market, generating a 4.3% share of the market's value followed by Yaskawa Electric Corporation, which accounts for a further 3.8% of the market. Manufacturers are reevaluating investment priorities on technologies/products that help improve efficiency and reduce costs. Buyers in the robots market are manufacturers in various industries. The typical size of buyers is generally large organizations or conglomerates, including major automotive manufacturers and defense manufacturers amongst others. The automotive industry, one of the largest end-user sectors, played a role in limiting the growth of industrial robotics.

New product developments, such as industrial robots that act as independent systems by using their artificial reasoning skills in performing a range of tasks independently, will drive increased adoption of industrial robots. Technological advancements in the fields

of machine vision and distribution motion control will further increase demand. Demographic trends, such as an aging population and declining birth rates in several western countries and Japan also project extensive use of industrial robots in these nations to meet the demand-supply gap in the future ahead.

Aruvians Rsearch presents an analysis on the Global Robots Industry, Analyzing the Global Robots Industry. The report is a complete coverage of this highly lucrative market and looks at the very basics of robotics to the future perspective of the industry.

The report begins with an analysis of the basics of robotics such as an understanding of the market, history of robots, power sources, research and development in the field, etc.

Moving on after an industry definition, we analyze the global robots industry through industry statistics, industry value and volume analysis and an analysis of the industry segmentation. We also include a Porter's Five Forces Strategic analysis in the report which looks at the buyer and supplier power in the industry, along with the competitive rivalry and the threat of new entrants.

An analysis of the market share of leading players is followed by the analysis of the major players themselves. Leading industry contributors analyzed in this report include ABB, Kuka AG, Yaskawa Electric Corporation, and Fanuc Corporation.

The future perspective of the global robots industry concludes this cutting edge offering from Aruvians Rsearch.

## Contents

### **A. EXECUTIVE SUMMARY**

### **B. INTRODUCTION TO ROBOTICS**

- B.1 What is Robotics?
- B.2 History of Robots
- B.3 Power Sources
- B.4 Controlling a Robot
- B.5 Robotics R&D

### **C. INDUSTRY DEFINITION**

### **D. GLOBAL ROBOTS INDUSTRY**

- D.1 Industry Statistics
- D.2 Industry Value & Volume
- D.3 Industry Segmentation

### **E. GLOBAL ROBOTS INDUSTRY: PORTER'S FIVE FORCES STRATEGIC ANALYSIS**

- E.1 Bargaining Power of Buyers
- E.2 Bargaining Power of Suppliers
- E.3 Competitive Rivalry in the Industry
- E.4 Threat of New Entrants
- E.5 Threat of Substitutes

### **F. MARKET SHARE**

### **G. MAJOR INDUSTRY PLAYERS**

- G.1 ABB Ltd.
- G.2 Kuka AG
- G.3 Yaskawa Electric Corporation
- G.4 Fanuc Corporation
  - G.4.1 SWOT Analysis

## **H. GLOBAL ROBOTS INDUSTRY: FUTURE PERSPECTIVE**

## **I. APPENDIX**

## **J. GLOSSARY OF TERMS**

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