Global Assembly-Line Robots Market 2016-2020

Description: Market outlook for the global assembly line robots market

The research analyst predicts the global assembly line robots market to grow steadily at a CAGR of 7% during the forecast period. The need for flexibility in plant operations is one of the primary drivers of the market. As most industries now serve their customers 24/7, employees are required to work round the clock. The adoption of robots has reduced the employee workload drastically. Monotonous jobs such as assembling are now carried out by robots in the production line with high productivity and consistent quality. With the use of robots, employees can focus more on supervising and decision-making roles. The use of collaborative robots has helped the automotive industry to a great extent. For example, BMW introduced collaborative robots in its human production lines in September 2013.

The small and medium enterprises (SMEs) that include contract manufacturers of auto components and machine tools are reluctant in making heavy investments on robots, but this trend is witnessing a change owing to the challenges they face in handling manual labor. This has led them to increasingly adopt collaborative robots that are easy and safe to operate on the assembly lines. For instance, Rethink robots offer robotics solutions for small industries starting at $25,000.

End-user segmentation and analysis of the global assembly line robots market

- Automotive
- Non-automotive

The automotive segment accounted for nearly half of the assembly line robots market demand owing to their increased application in assembling heavy components like chassis, powertrain, and so on. All major companies such as BMW, Ford, and GM have adopted assembly line robots in their production lines to enhance and improve their production efficiency and to maintain consistent quality of their finished products.

Geographical segmentation and analysis of the global assembly line robots market

- Americas
- APAC
- EMEA

APAC accounted for nearly 62% of the overall assembly line robots market in 2015 but the fastest growth is expected to be seen from EMEA during the forecast period. This rapid growth in EMEA can be attributed to the monetary stimulus package announced by the European Central Bank and investments that are planned by the automotive majors in the region.

Competitive landscape and key vendors

The assembly line robots market is facing stiff competition due to innovations in products and marketing strategies. Also, all major vendors are focusing on providing complete industrial robotic solutions. They are developing innovative technologies to handle better support services and superior quality robots enabled with IoT services. The analysts expect the competitive environment in this market to intensify further with an increase in R&D investments and M&A during the forecast period.

The leading vendors in the market are:

- ABB
- Fanuc
- KUKA
- Yaskawa

Other prominent vendors in the market include Apex Automation and Robotics, Denso Robotics, Epson Robotics, Kawasaki Robotics, Mitsubishi Electric, Nachi Robotic Systems, Rethink Robotics, TM Robotics, and
Universal Robots.

Key questions answered in the report include:
- What will the market size and the growth rate be in 2020?
- What are the key factors driving the global assembly line robots market?
- What are the key Market trends impacting the growth of the global assembly line robots market?
- What are the challenges to market growth?
- Who are the key vendors in this market space?
- What are the market opportunities and threats faced by the vendors in the global assembly line robots market?
- Trending factors influencing the market shares of the Americas, APAC, and EMEA?
- What are the key outcomes of the five forces analysis of the global assembly line robots market?

Related reports:
- Global Robotics Market 2015-2019
- Global Articulated Robots Market 2015-2019
- Global SCARA Robots Market - Market Research 2015-2019

Contents:

PART 01: Executive summary
- Highlights

PART 02: Scope of the report
- Market overview
- Top-vendor offerings

PART 03: Market research methodology
- Research methodology
- Economic indicators

PART 04: Introduction
- Key market highlights

PART 05: Market landscape
- Market overview
- Five forces analysis

PART 06: Market segmentation by end-user
- Global assembly line robots market in automotive industry
- Global assembly line robots market in non-automotive industries

PART 07: Geographical segmentation
- Assembly line robots market in geography
- Assembly line robots market in APAC
- Assembly line robots market in the Americas
- Assembly line robots market in Europe, the Middle East, and Africa (EMEA)

PART 08: Market drivers

PART 09: Impact of drivers

PART 10: Market challenges

PART 11: Impact of drivers and challenges

PART 12: Market trends

PART 13: Vendor landscape
- Competitive scenario
- Other prominent vendors

PART 14: Key vendor analysis
PART 15: Appendix
- List of abbreviations

PART 16: Explore the Author

List of Exhibits
Exhibit 01: Global assembly line robots scope
Exhibit 02: Product offerings
Exhibit 03: Global robotics market
Exhibit 04: Global assembly line robots market 2015-2020 ($ billions)
Exhibit 05: Five forces analysis
Exhibit 06: Global assembly line robots market in automotive industry 2015-2020 ($ billions)
Exhibit 07: Global assembly line robots market in non-automotive industries 2015-2020 ($ billions)
Exhibit 08: Assembly line robots market by geography 2015
Exhibit 09: Assembly line robots market by geography 2020
Exhibit 10: Assembly line robots market by geography 2015 and 2020 ($ billions)
Exhibit 11: Assembly line robots market in APAC 2015-2020 ($ billions)
Exhibit 12: Assembly line robots market in the Americas 2015-2020 ($ billions)
Exhibit 13: Assembly line robots market in EMEA 2015-2020 ($ billions)
Exhibit 14: Impact of drivers
Exhibit 15: Impact of drivers and challenges
Exhibit 16: ABB: Business segmentation by revenue 2014
Exhibit 17: ABB: Business segmentation by revenue 2013 and 2014 ($ billions)
Exhibit 18: ABB: Geographical segmentation by revenue 2014
Exhibit 19: Kuka: Business segmentation by revenue 2014
Exhibit 20: Kuka: Business segmentation by revenue 2013 and 2014
Exhibit 21: Kuka: Geographical segmentation by revenue 2014
Exhibit 22: Yaskawa Electric: Business segmentation by revenue 2015
Exhibit 23: Yaskawa Electric: Business segmentation by revenue 2014 and 2015 ($ billions)
Exhibit 24: Yaskawa Electric: Geographical segmentation by revenue 2015

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