IHS Technology – Abstract

Industrial Robots – 2016

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IHS forecasts the world market for industrial robots to grow 18.9% CAGR from 2015 to 2020. The need to automate labour-intensive industries with cost-effective, application-appropriate industrial robots drives installations globally. This comprehensive global report summarizes our view on the industrial robots market, and depth analysis on the current and future trends that will have an impact on the market.

IHS Markit has presented analysis on the industrial robot market for many years. This edition is designed to provide an up-to-date analysis of the market for industrial robots and will identify the trends that will impact the market over the next five years. Within the report there are details on the revenue, unit shipment and ASP analysis of six different robot types. This research covers quantitative and qualitative insights on the key market trends in EMEA, Americas, Asia Pacific and Japan regions. It contains analysis by robot type in terms of both industry sectors and applications. Additional breakouts are presented by payload, number of axes and reach.

**Key Issues Addressed**

- What was the current size of the world market for industrial robots in 2016?
- How fast will the market grow over the next five years?
- Which industries will experience the strongest growth? How big are these sectors?
- What market shares do the leading robot manufacturers have?
- What is the breakdown in terms of payload for articulated robots?
- What is the breakdown in terms of reach for industrial robots?
- What are the current trends that are affecting the market?
- What impact will collaborative robots have on the market? How will this market grow over the next five years?
- How will industrial robot prices change over the next five years?

**This report is applicable to**

- Industrial robot manufacturers, motor and motor controls manufacturers; gearbox suppliers, system integrators, financial institutions, venture capitalists, private equity firms, business and financial consultants.

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**Actuals and Forecast**

**Frequency, Time Period**
- Base year estimate: 2015
- 5 years annual forecast (2016 - 2020)

**Measures**
- Unit shipments
- Revenues
- ASPs

**Regions**
- Americas
- Asia Pacific
- EMEA

**Product Segmentation**
- SCARA Robots
- Delta Robots
- Cartesian Robots
- Articulated Robots
- Collaborative Robots (limited segments)
- Dual-arm Robots

**Industry Segmentation**
- Automotive
- Consumer Electronics
- Electronics/Electrical
- Food/Beverage/Personal Care
- Metal Products
- Rubber/Plastics
- Semiconductors/LCD/LED/ PV
- Other Industries

**Applications Segmentation**
- Assembly/Disassembly
- Clean Room
- Dispensing
- Handling Operations
- Processing/Cutting
- Welding
- Other Applications

**Sales Channels**
- Direct to End-User
- Direct to Machine Builder
- Direct to Systems Integrator
- Via Distribution

**Robots by Axes**

**Robots by Payload**
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