Collaborative Robots Market Analysis By Payload Capacity (Up to 5kg, Up to 10kg, Above 10kg), By Application, By Industry And Segment Forecasts 2014 - 2025

Description: The global collaborative robots market is expected to reach USD 6.77 billion by 2025. The growing interest of Small and Medium-sized Enterprises (SMEs), owing to the low price of cobots, is projected to increase the deployment over the forecast period.

The application of cobots in industries such as automotive, furniture and equipment, metal and machining, plastic and polymers, and food and beverages is expected to drive the market growth over the projected period. The increasing focus of OEMs and consumers on safety of operations, such as gluing and welding, pick & place, and machine tending, is expected to propel cobots' growth.

Collaborative robots apply advanced technologies, which include collision detection, torques sensing, and elastic actuators, for completing tasks in an efficient manner. The material handling segment is expected to witness a significant growth over the forecast period owing to the rising investments in setting up new manufacturing facilities. The presence of existing manufacturing facilities, decreasing ergonomic hazards for workers, and increasing adoption of cobots for packaging is projected to fuel the market for handling application.

The rising industrial automation in emerging regions such as Asia Pacific and the growing trend of precision and rise in safety-rated manufacturing in developed regions, such as Europe and North America, would enhance the industry growth. Furthermore, regulations for mitigating the imminent collisions and the need for safety fences between human and robots are also important factors for growth. The automotive segment is expected to be the major revenue generating segment owing to the well-established automotive market in China and Japan and the growing demand of passenger cars over the forecast period.

Further key findings from the report suggest:

Cobots are enormously deployed in small and medium-sized enterprises owing to the high adaptability and affordability

Cobots with above 10kg payload capacity are expected to grow significantly owing to their capability of handling higher payload capacity tasks

The material handling segment dominated the market share in 2015 and is expected to grow significantly over the projected period owing to the increasing adaptability and deployment in SMEs

The automotive segment dominated the cobots market and is expected to maintain the dominance over the next four years owing to the well-established automotive industry base in the emerging region

The Asia Pacific collaborative robots market is projected to witness a significant growth over the forecast period, owing to the growing demand in the handling application and automotive industries

The key players in the collaborative robots market include KUKA AG (Germany), FANUC Corporation (Japan), ABB Ltd. (Switzerland), Universal Robots (Denmark), and Robert Bosch GmbH (Germany)

Contents:
1 Methodology and Scope
1.1 Research Methodology
1.2 Research Scope & Assumptions
1.3 List of Data Sources

2 Executive Summary
2.1 Regional Marketplace: Key Takeaways
3 Collaborative Robots Market Variables, Trends & Scope
3.1 Market Segmentation & Scope
3.2 Collaborative Robots - Market Size and Growth Prospects
3.3 Collaborative Robots - Value Chain Analysis
3.4 Collaborative Robots - Market Dynamics
3.4.1 Market driver analysis
3.4.1.1 Technological proliferation
3.4.1.2 Increasing demand for energy efficient vending machines
3.4.1.3 Growing inclination toward cashless payments
3.4.1.4 Rise in profit margins
3.4.2 Market restraint/challenge analysis
3.4.2.1 Stringent government regulations
3.4.2.2 Theft and vandalism
3.5 Collaborative Robots - Key Opportunities Prioritized
3.6 Collaborative Robots - Porter's Five Forces Analysis
3.7 Collaborative Robots - PESTEL Analysis
3.8 Collaborative Robots - Key Company Ranking

4 Collaborative Robots Market Payload Capacity Estimates & Trend Analysis
4.1 Global Collaborative Robots Market Share by Payload Capacity, 2015 & 2025
4.1.1 Up to 5kg
4.1.1.1 Market estimates and forecasts, 2014 - 2025
4.1.2 Upto 10kg
4.1.2.1 Market estimates and forecasts, 2014 - 2025
4.1.3 Above 10kg
4.1.3.1 Market estimates and forecasts, 2014 - 2025

5 Collaborative Robots Market Application Estimates & Trend Analysis
5.1 Global Collaborative Robots Market Share by Application, 2015 & 2025
5.1.1 Assembly
5.1.1.1 Market estimates and forecasts, 2014 - 2025
5.1.2 Pick & Place
5.1.2.1 Market estimates and forecasts, 2014 - 2025
5.1.3 Handling
5.1.3.1 Market estimates and forecasts, 2014 - 2025
5.1.4 Packaging
5.1.4.1 Market estimates and forecasts, 2014 - 2025
5.1.5 Quality Testing
5.1.5.1 Market estimates and forecasts, 2014 - 2025
5.1.6 Machine Tending
5.1.6.1 Market estimates and forecasts, 2014 - 2025
5.1.7 Gluing & Welding
5.1.7.1 Market estimates and forecasts, 2014 - 2025
5.1.8 Others
5.1.8.1 Market estimates and forecasts, 2014 - 2025

6 Collaborative Robots Market Industry Estimates & Trend Analysis
6.1 Global Collaborative Robots Market Share by Industry, 2015 & 2025
6.1.1 Automotive
6.1.1.1 Market estimates and forecasts, 2014 - 2025
6.1.2 Food & Beverage
6.1.2.1 Market estimates and forecasts, 2014 - 2025
6.1.3 Furniture & Equipment
6.1.3.1 Market estimates and forecasts, 2014 - 2025
6.1.4 Plastic & Polymers
6.1.4.1 Market estimates and forecasts, 2014 - 2025
6.1.5 Metal & Machinery
6.1.5.1 Market estimates and forecasts, 2014 - 2025
6.1.6 Electronics
6.1.6.1 Market estimates and forecasts, 2014 - 2025
6.1.7 Pharmaceuticals
6.1.7.1 Market estimates and forecasts, 2014 - 2025
6.1.8 Others
6.1.8.1 Market estimates and forecasts, 2014 - 2025

7 Collaborative Robots Market Regional Estimates & Trend Analysis
7.1. North America
7.1.1. Collaborative robots market by payload capacity, 2014 - 2025 (USD Billion)
7.1.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.1.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.1.4. U.S.
7.1.4.1. Collaborative robots market by payload capacity, 2014 - 2025 (USD Billion)
7.1.4.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.1.4.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.1.5. Canada
7.1.5.1. Collaborative robots market by structure, 2014 - 2025 (USD Billion)
7.1.5.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.1.5.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.2. Europe
7.2.1. Collaborative robots market by payload capacity, 2014 - 2025 (USD Billion)
7.2.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.2.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.2.4. Germany
7.2.4.1. Collaborative robots market by structure, 2014 - 2025 (USD Billion)
7.2.4.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.2.4.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.2.5. UK
7.2.5.1. Collaborative robots market by structure, 2014 - 2025 (USD Billion)
7.2.5.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.3. Asia Pacific
7.3.1. Collaborative robots market by payload capacity, 2014 - 2025 (USD Billion)
7.3.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.3.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.3.4. China
7.3.4.1. Collaborative robots market by structure, 2014 - 2025 (USD Billion)
7.3.4.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.3.4.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.3.5. Japan
7.3.5.1. Collaborative robots market by structure, 2014 - 2025 (USD Billion)
7.3.5.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.3.5.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.3.6. India
7.3.6.1. Collaborative robots market by structure, 2014 - 2025 (USD Billion)
7.3.6.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.3.6.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.4. Latin America
7.4.1. Collaborative robots market by payload capacity, 2014 - 2025 (USD Billion)
7.4.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.4.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.4.4. Brazil
7.4.4.1. Collaborative robots market by structure, 2014 - 2025 (USD Billion)
7.4.4.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.4.4.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.4.5. Mexico
7.4.5.1. Collaborative robots market by structure, 2014 - 2025 (USD Billion)
7.4.5.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.4.5.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)
7.5. MEA
7.5.1. Collaborative robots market by payload capacity, 2014 - 2025 (USD Billion)
7.5.2. Collaborative robots market by application, 2014 - 2025 (USD Billion)
7.5.3. Collaborative robots market by industry, 2014 - 2025 (USD Billion)

8 Competitive Landscape
8.1 ABB Group
8.1.1 Company overview
8.1.2 Financial performance
8.1.3 Product benchmarking
8.1.4 Strategic initiatives
8.2 Denso
8.2.1 Company overview
8.2.2 Financial performance
8.2.3 Product benchmarking
8.2.4 Strategic initiatives
8.3 Epson Robots
8.3.1 Company overview
8.3.2 Financial performance
8.3.3 Product benchmarking
8.3.4 Strategic initiatives
8.4 FANUC Corporation
8.4.1 Company overview
8.4.2 Financial performance
8.4.3 Product benchmarking
8.4.4 Strategic initiatives
8.5 KUKA AG
8.5.1 Company overview
8.5.2 Financial performance
8.5.3 Product benchmarking
8.5.4 Strategic initiatives
8.6 Precise Automation, Inc.
8.6.1 Company overview
8.6.2 Financial performance
8.6.3 Product benchmarking
8.6.4 Strategic initiatives
8.7 Rethink Robotics, Inc.
8.7.1 Company overview
8.7.2 Financial performance
8.7.3 Product benchmarking
8.7.4 Strategic initiatives
8.8 Robert Bosch GmbH
8.8.1 Company overview
8.8.2 Financial performance
8.8.3 Product benchmarking
8.8.4 Strategic initiatives
8.9 Universal Robots A/S
8.9.1 Company overview
8.9.2 Financial performance
8.9.3 Product benchmarking
8.9.4 Strategic initiatives
8.10 Yaskawa Electric Corporation
8.10.1 Company overview
8.10.2 Financial performance
8.10.3 Product benchmarking
8.10.4 Strategic initiatives

List of Tables

Table 1 Global collaborative robots market, 2014 - 2025 (USD Million)
Table 2 Global collaborative robots market, by payload capacity, 2014 - 2025 (USD Million)
Table 3 Global collaborative robots market, by application, 2014 - 2025 (USD Million)
Table 4 Global collaborative robots market, by industry, 2014 - 2025 (USD Million)
Table 5 Global collaborative robots market, by region, 2014 - 2025 (USD Million)
Table 6 Up to 5kg collaborative robots market by region, 2014 - 2025 (USD Million)
Table 7 Up to 10kg collaborative robots market by region, 2014 - 2025 (USD Million)
Table 8 Above 10kg collaborative robots market by region, 2014 - 2025 (USD Million)
Table 9 Assembly application collaborative robots market by region, 2014 - 2025 (USD Million)
Table 10 Pick & place application collaborative robots market by region, 2014 - 2025 (USD Million)
Table 11 Handling application collaborative robots market by region, 2014 - 2025 (USD Million)
Table 12 Packaging application collaborative robots market by region, 2014 - 2025 (USD Million)
Table 13 Quality testing application collaborative robots market by region, 2014 - 2025 (USD Million)
Table 14 Machine tending application collaborative robots market by region, 2014 - 2025 (USD Million)
Table 15 Gluing & welding application collaborative robots market by region, 2014 - 2025 (USD Million)
Table 16 Other applications collaborative robots market by region, 2014 - 2025 (USD Million)
Table 17 Automotive collaborative robots market by region, 2014 - 2025 (USD Million)
Table 18 Food & beverage collaborative robots market by region, 2014 - 2025 (USD Million)
Table 19 Furniture & equipment collaborative robots market by region, 2014 - 2025 (USD Million)
Table 20 Plastic & polymers collaborative robots market by region, 2014 - 2025 (USD Million)
Table 21 Metal & machinery collaborative robots market by region, 2014 - 2025 (USD Million)
Table 22 Electronics collaborative robots market by region, 2014 - 2025 (USD Million)
Table 23 Pharmaceuticals collaborative robots market by region, 2014 - 2025 (USD Million)
Table 24 Others industry collaborative robots market by region, 2014 - 2025 (USD Million)
Table 25 Collaborative Robots market, 2014 - 2025 (USD Million)
Table 26 North America Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 27 North America Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 28 North America Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 29 U.S. Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 30 U.S. Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 31 U.S. Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 32 Canada Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 33 Canada Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 34 Canada Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 35 Europe Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 36 Europe Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 37 Europe Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 38 UK Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 39 UK Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 40 UK Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 41 Germany Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 42 Germany Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 43 Germany Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 44 Asia Pacific Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 45 Asia Pacific Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 46 Asia Pacific Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 47 China Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 48 China Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 49 China Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 50 Japan Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 51 Japan Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 52 Japan Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 53 India Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 54 India Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 55 India Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 56 Latin America Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 57 Latin America Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 58 Latin America Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 59 Brazil Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 60 Brazil Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 61 Brazil Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 62 Mexico Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 63 Mexico Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 64 Mexico Collaborative Robots market by industry, 2014 - 2025 (USD Million)
Table 65 MEA Collaborative Robots market by payload capacity, 2014 - 2025 (USD Million)
Table 66 MEA Collaborative Robots market by application, 2014 - 2025 (USD Million)
Table 67 MEA Collaborative Robots market by industry, 2014 - 2025 (USD Million)

List of Figures

Figure 1 Regional marketplace: Key takeaways
Figure 2 Market segmentation & scope
Figure 3 Collaborative robots - Market size and growth prospects
Figure 4 Collaborative robots - Value chain analysis
Figure 5 Collaborative robots - Market dynamics
Figure 6 Collaborative robots - Key opportunities prioritized
Figure 7 Collaborative robots - Porter's five forces analysis
Figure 8 Collaborative robots - PESTEL analysis
Figure 9 Global collaborative robots market payload capacity outlook, 2015 & 2025
Figure 10 Global collaborative robots market application outlook, 2015 & 2025
Figure 11 Global collaborative robots market industry outlook, 2015 & 2025
Figure 12 Global collaborative robots market regional outlook, 2015 & 2025
Figure 13 North America collaborative robots market - Key takeaways
Figure 14 Europe collaborative robots market - Key takeaways
Figure 15 Asia Pacific collaborative robots market - Key takeaways
Figure 16 Latin America collaborative robots market - Key takeaways
Figure 17 Middle East & Africa collaborative robots market - Key takeaways

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