

Global Collaborative Robot (Cobot) Market 2023-2029

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Abstracts

Unlike traditional industrial robots, which are designed to work autonomously in a controlled environment, collaborative robots are designed to work safely and efficiently with human operators. Collaborative robots are typically smaller and lighter than traditional industrial robots, and they are equipped with sensors and other safety features that allow them to detect and avoid collisions with humans. They are also designed to be easy to program and operate, allowing for quick and flexible deployment in a variety of applications. Collaborative robots are used in a wide range of industries, including manufacturing, logistics, healthcare, and agriculture. They can perform a variety of tasks, such as assembly, packaging, inspection, and material handling. According to the latest estimates, the global collaborative robot market is set to achieve an incremental growth of USD 5.0 billion, accelerating at a CAGR of almost 28.6% during the forecast period 2023-2029.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global collaborative robot market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the payload, application, end user, and region. The global market for collaborative robot can be segmented by payload: less than 5kg, 5-10kg, more than 10kg. In 2022, the less than 5kg segment made up the largest share of revenue generated by the collaborative robot market. Collaborative robot market is further segmented by application: assembly, machine tending, material handling, molding operations, packaging and palletizing, pick and place, polishing, screwing, test and inspection, others. The assembly segment was the largest contributor to the global

collaborative robot market in 2022. Based on end user, the collaborative robot market is segmented into: automotive, electrical and electronics, food and beverages, healthcare and life sciences, metal and machining, plastic and polymer, others. The automotive segment is estimated to account for the largest share of the global collaborative robot market. On the basis of region, the collaborative robot market also can be divided into: Asia-Pacific, Europe, North America, Rest of the World (RoW). Asia-Pacific held the largest share of the global collaborative robot market in 2022 and is anticipated to hold its share during the forecast period.

Market Segmentation

By payload: less than 5kg, 5-10kg, more than 10kg

By application: assembly, machine tending, material handling, molding operations, packaging and palletizing, pick and place, polishing, screwing, test and inspection, others

By end user: automotive, electrical and electronics, food and beverages, healthcare and life sciences, metal and machining, plastic and polymer, others

By region: Asia-Pacific, Europe, North America, Rest of the World (RoW)

The report also provides analysis of the key companies of the industry and their detailed company profiles including ABB Ltd., BAE Systems plc, Comau SpA, Denso Robotics, Inc., FANUC Corporation, HAHN Group GmbH (Rethink Robotics GMBH), Hanwha Techwin Co., Ltd., Kawasaki Heavy Industries, Ltd., Kuka AG (Midea Group Co., Ltd.), Nachi Robotics Systems, Inc., Omron Adept Technology, Inc., Robert Bosch GmbH, Shenzhen Han's Robot Co., Ltd, Staubli International AG, Techman Robot Inc., Universal Robots A/S, Voith Robotics GmbH, Yaskawa Electric Corporation, among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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Scope of the Report

To analyze and forecast the market size of the global collaborative robot market.

To classify and forecast the global collaborative robot market based on payload,

application, end user, region.

To identify drivers and challenges for the global collaborative robot market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global collaborative robot market.

To identify and analyze the profile of leading players operating in the global collaborative robot market.

Why Choose This Report

Gain a reliable outlook of the global collaborative robot market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

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Less than 5kg
5-10kg
More than 10kg

PART 6. MARKET BREAKDOWN BY APPLICATION

Assembly
Machine tending
Material handling
Molding operations
Packaging and palletizing
Pick and place
Polishing
Screwing
Test and inspection
Others

PART 7. MARKET BREAKDOWN BY END USER

Automotive
Electrical and electronics
Food and beverages
Healthcare and life sciences
Metal and machining
Plastic and polymer
Others

PART 8. MARKET BREAKDOWN BY REGION

Asia-Pacific
Europe
North America
Rest of the World (RoW)

PART 9. KEY COMPANIES

ABB Ltd.
BAE Systems plc
Comau SpA
Denso Robotics, Inc.
FANUC Corporation
HAHN Group GmbH (Rethink Robotics GMBH)
Hanwha Techwin Co., Ltd.
Kawasaki Heavy Industries, Ltd.
Kuka AG (Midea Group Co., Ltd.)
Nachi Robotics Systems, Inc.
Omron Adept Technology, Inc.
Robert Bosch GmbH
Shenzhen Han's Robot Co., Ltd
Staubli International AG
Techman Robot Inc.
Universal Robots A/S
Voith Robotics GmbH
Yaskawa Electric Corporation
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