

Collaborative Robot Market Size, Share Report, 2022-2027: Industry Forecast, Growth, Top Companies And Demand

The emerging trend of industrial automation, especially across developing countries, and the rising demand for high payload capacity robot models.

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/EINPresswire.com/ -- The latest report published by IMARC Group, titled "Collaborative Robot Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027," offers a comprehensive analysis of the

industry, which comprises insights on the market trends. The report also includes competitor and regional analysis, and contemporary advancements in the market.



The [global collaborative robot \(cobot\) market](#) size reached US\$ 1.31 Billion in 2021. Looking forward, IMARC Group expects the market to reach a value of US\$ 11.82 Billion by 2027, exhibiting a CAGR of 41.20% during 2022-2027. A collaborative robot, alternatively known as a cobot, is a robot that is capable of learning various tasks to facilitate direct human-robot interaction in a shared space. It relies on cognitive computing, machine vision, and touch and mobile technologies. Collaborative robot models remain aware of their surroundings through demonstration and reinforcement learning. They consume less energy in comparison to their larger autonomous counterparts and utilize collision detection technologies to avoid injuring human coworkers. Collaborative robot variants also minimize errors, increase productivity, and offer enhanced operating results. Consequently, they find extensive applications across several sectors, including electronics, automotive, manufacturing, food and beverage (F&B), etc.

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Market Trends:

The emerging trend of industrial automation, especially across developing countries, and the rising demand for high payload capacity robot models are among the key factors driving the collaborative robot market. In addition to this, the integration of torque and force sensing technologies in these robot variants is also positively influencing the global market. Moreover, the rising usage of cobots in the manufacturing process, such as on the assembly lines and welding, is acting as another significant growth-inducing factor. Besides this, the increasing need for user-friendly robots that do not require a highly skilled workforce to carry out operations is further augmenting the market growth. Additionally, the growing requirement for cobot applications in the packaging sector to enhance production rates and in the logistics industry to handle complicated work processes is anticipated to propel the collaborative robot market in the coming years.

Collaborative Robot Market 2022-2027 Competitive Analysis and Segmentation:

Competitive Landscape With Key Players:

The competitive landscape of the collaborative robot market has been studied in the report with the detailed profiles of the key players operating in the market.

Some of these key players include:

- ABB Ltd.
- AUBO (Beijing) Robotics Technology Co. Ltd.
- DENSO WAVE Incorporated (Denso Corporation)
- Doosan Robotics Inc. (Doosan Group)
- Fanuc Corporation
- Kawasaki Heavy Industries Ltd.
- KUKA AG (Midea Group)
- Omron Corporation
- Precise Automation Inc. (Brooks Automation Inc)
- Rethink Robotics GmbH
- TechMan Robot Inc. (Quanta Storage Inc.)
- Universal Robots (Teradyne Inc)
- Yaskawa Electric Corporation.

Key Market Segmentation:

The report has segmented the global collaborative robot market based on component, payload, application, end use industry and region.

Breakup by Component:

- Hardware
- Software

Breakup by Payload:

- Upto 5 Kg
- 5-10 Kg
- Above 10 Kg

Breakup by Application:

- Material Handling
- Pick and Place
- Assembly
- Palletizing and De-Palletizing
- Others

Breakup by End Use Industry:

- Automotive
- Electronics
- Manufacturing
- Food and Beverage
- Chemicals and Pharmaceutical
- Others

Breakup by Region:

- North America
- Asia Pacific
- Europe
- Latin America
- Middle East and Africa

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Key Highlights of the Report:

- Market Performance (2016-2021)
- Market Outlook (2022-2027)
- Market Trends
- Market Drivers and Success Factors
- Impact of COVID-19
- Value Chain Analysis

- Comprehensive mapping of the competitive landscape

If you need specific information that is not currently within the scope of the report, we will provide it to you as a part of the customization.

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