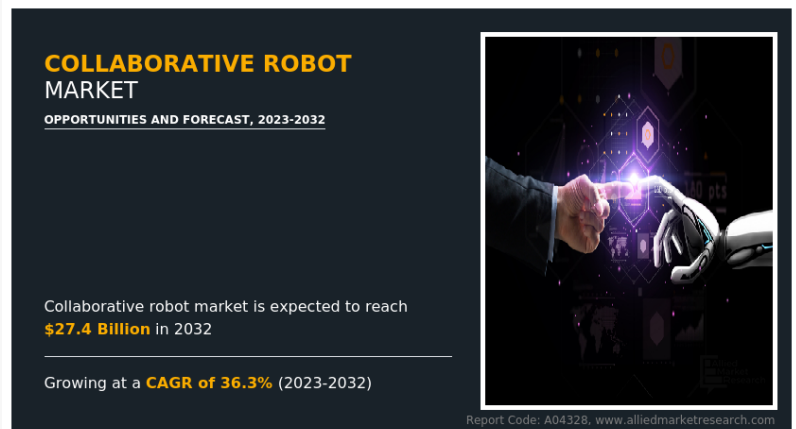


Collaborative Robot Market size is Expected to Garner \$27.4 Billion by 2032 | Growing at a CAGR of 36.3%

WILMINGTON, DELAWARE , UNITED STATES, September 23, 2023

/EINPresswire.com/ -- Allied Market Research published a report on the [Collaborative Robot Market](#) by Component, Application, End-User, and Payload Capacity: Global Opportunity Analysis and Industry Forecast, 2023-2032.

The global collaborative robot market was valued at \$1.4 billion in 2022, and is projected to reach \$27.4 billion by 2032, growing at a CAGR of 36.3% from 2023 to 2032.



Collaborative Robot Market

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The emphasis on worker safety and compliance with stringent safety standards drives the growth of collaborative robot market”
David Correa

A collaborative robot, also known as a cobot, is a type of robotic designed to work alongside humans collaboratively. Unlike normal industrial robots that are regularly caged or separated from humans due to safety concerns, collaborative robots are specifically designed to operate in close proximity to humans without causing harm. The defining characteristic of collaborative robots is their ability to interact and collaborate with human

workers. They are equipped with various sensors, such as force sensors and vision systems, that enable them to perceive and respond to their environment.

Collaborative robots are typically programmed to perform tasks that require physical interaction, such as handling objects, assembly, or machine tending. Collaborative robots are designed to prioritize safety and are built with features that limit the risk of injury to humans. They have

built-in security mechanisms, such as force & torque limiting, speed reduction, and collision detection, which allow them to notice the presence of humans and automatically adapt their behavior to prevent accidents.

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Competitive Analysis:

The competitive environment of the [collaborative robot industry](#) is further examined in the report. It includes details about the key players in the market's strengths, product portfolio, collaborative robot market share and size analysis, operational results, and market positioning. It comprises the actions taken by the players to grow and expand their presence through agreements and entering new business sectors. Mergers and acquisitions, joint ventures, and product launches are some of the other techniques used by players.

Some of the major key players of the collaborative robot industry include:

- ABB
- Denso Corporation.
- Doosan Robotics
- EPSON Robots
- FANUC Corporation
- F&P Robotics AG
- Omron Adept Technologies Inc
- Robert Bosch GmbH.
- techman Robot Inc
- Universal Robots A/S

Collaborative robots are designed to be user-friendly and accessible, even for those without extensive robotics expertise. Many cobots have intuitive interfaces and programming methods, such as teach pendant systems or graphical user interfaces, making it easier for operators to set up and operate them. The combination of flexibility, ease of use, safety, and adaptability has made collaborative robots a popular choice for industries looking to enhance productivity and efficiency through automation. These factors are anticipated to have a positive impact on the collaborative robot market outlook in the coming years.

Traditional industrial robots often require significant reconfiguration and downtime when switching tasks, whereas cobots can be rapidly reprogrammed to perform new operations. This ability enables manufacturers to optimize production lines, accommodate product variations, and efficiently handle short production runs or customized orders. Moreover, the flexibility of cobots allows for streamlined production lines. The flexibility offered by cobots in the manufacturing industry is estimated to drive the collaborative robot demand in the coming years.

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Key Benefits for Stakeholders:

- The report provides exclusive and comprehensive analysis of the global collaborative robot market trends along with the collaborative robot market forecast.
- The report elucidates the collaborative robot market opportunity along with key drivers, and restraints of the market. It is a compilation of detailed information, inputs from industry participants and industry experts across the value chain, and quantitative and qualitative assessment by industry analysts.
- Porter's five forces analysis helps analyze the potential of the buyers & suppliers and the competitive scenario of the collaborative robot market for strategy building.
- The report entailing the collaborative robot market analysis maps the qualitative sway of various industry factors on market segments as well as geographies.
- The data in this report aims on market dynamics, trends, and developments affecting the collaborative robot market growth.

About Us:

Allied Market Research is a top provider of market intelligence that offers reports from leading technology publishers. Our in-depth market assessments in our research reports take into account significant technological advancements in the sector. In addition to other areas of expertise, AMR focuses on the analysis of high-tech systems and advanced production systems. We have a team of experts who compile thorough research reports and actively advise leading businesses to enhance their current procedures. Our experts have a wealth of knowledge on the topics they cover. Also, they use a variety of tools and techniques when gathering and analyzing data, including patented data sources.

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