+357 96 030922
info@marketpublishers.com

Collaborative Manufacturing Robots Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

https://marketpublishers.com/r/C24BDDC84784EN.html
Date: May 2025
Pages: 135
Price: US$ 4,850.00 (Single User License)
ID: C24BDDC84784EN

Abstracts

The Global Collaborative Manufacturing Robots Market was valued at USD 121.7 million in 2024 and is estimated to grow at a CAGR of 10.5% to reach USD 329.1 million by 2034, driven by the rise in automation across various industries, which enhances both productivity and safety by working alongside humans. This shift is driven by the increasing need for flexible, scalable automation solutions, especially among small and medium-sized enterprises (SME). Small and medium-sized enterprises (SME) are increasingly adopting cost-effective programmable collaborative robots (cobots) as a means of automation without requiring a significant upfront investment. With their limited resources, SME find these robots an ideal solution to enhance productivity while keeping capital expenditure low.

The ability of cobots to seamlessly integrate into existing workflows and their flexibility in handling various tasks make them an attractive option for smaller businesses looking to stay competitive. These robots can handle tasks that are repetitive, monotonous, or physically taxing, freeing up human workers to concentrate on more complex, creative, or decision-making responsibilities. By automating routine functions, cobots help improve operational workflows, reduce human error, and ensure consistent output. This shift not only enhances the speed and precision of tasks but also reduces the physical strain on employees, lowering the risk of workplace injuries and fatigue. As a result, businesses can maintain higher productivity levels with a more engaged workforce.

The market is segmented by payload capacity into categories such as up to 5 kg, 5-10 kg, 10-25 kg, and more than 25 kg. In 2024, the up-to-5 kg segment generated USD 46.4 million and is expected to grow at a CAGR of 9.6% by 2034. Cobots in this category are favored in industries requiring precision, such as electronics and

+357 96 030922
info@marketpublishers.com

pharmaceuticals, where lightweight tasks like assembly, pick-and-place, and testing are common. Their compact design also makes them ideal for space-constrained environments, offering flexible automation solutions. The ability of cobots to handle smaller payloads with precision makes them invaluable to SME seeking cost-effective and reliable automation options.

The material handling segment held a 41.5% share in 2024, and it is expected to reach USD 144.8 million by 2034, driven by the growing importance of efficiency in logistics and warehousing. Cobots have proven to be highly effective in material handling, performing tasks such as sorting, packing, palletizing, and transporting goods with speed and accuracy. As industries strive to optimize their supply chains and reduce labor costs, cobots are seen as a key tool in automating these critical functions. The demand for cobots in material handling is particularly strong in industries where precision, speed, and the ability to operate near human workers are crucial.

United States Collaborative Manufacturing Robots Market generated USD 27.3 million in 2024 and is expected to grow at a CAGR of 11% through 2034, driven by the robust construction industry, along with the widespread adoption of automation technologies. The strong push toward automation across a variety of industries, from manufacturing to logistics and beyond, has made the U.S. a prime market for collaborative robots. The increasing trend of digitalization and the need for smarter, more flexible manufacturing systems will continue to drive demand for cobots in the years ahead.

Prominent companies in the Global Collaborative Manufacturing Robots Industry include ABB Robotics, AUBO Robotics, Doosan Robotics, FANUC Corporation, KUKA Robotics, Rethink Robotics, Staubli Robotics, Techman Robot, Universal Robots, and Yaskawa Electric Corporation. In the collaborative manufacturing robots market, companies are focusing on enhancing their market position through innovation and expansion. Key strategies include continuous product development, acquisitions, and partnerships. Firms like Universal Robots and ABB Robotics are investing heavily in R&D to introduce new features that improve efficiency and flexibility. Others, such as Yaskawa Electric Corporation and KUKA Robotics, are enhancing their product offerings by developing cobots with increased payload capacities and greater integration capabilities. Strategic collaborations with industry leaders and expanding distribution networks are also being used to increase market penetration, especially in emerging markets where automation adoption is accelerating.

Companies Mentioned

+357 96 030922
info@marketpublishers.com

The companies featured in this collaborative manufacturing robots market report include:(Business Overview, Financial Data, Product Landscape, Strategic Outlook, SWOT Analysis), ABB Robotics, AUBO Robotics, Doosan Robotics, FANUC Corporation, KUKA Robotics, Rethink Robotics, Staubli Robotics, Techman Robot, Universal Robots, Yaskawa Electric Corporation

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

CHAPTER 10 MARKET ESTIMATES & FORECAST, BY REGION, 2021 – 2034, (USD BILLION)(THOUSAND UNITS)

CHAPTER 11 COMPANY PROFILES (BUSINESS OVERVIEW, FINANCIAL DATA, PRODUCT LANDSCAPE, STRATEGIC OUTLOOK, SWOT ANALYSIS)

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Collaborative Manufacturing Robots Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: https://marketpublishers.com/r/C24BDDC84784EN.html

Price: US$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/C24BDDC84784EN.html