

# **North America Collaborative Robots Market Forecast to 2030 - Regional Analysis - Payload (Up to 5 Kgs, 5-10 Kgs, and Above 10 Kgs), Application (Assembly, Material Handling, Pick & Place, Quality Testing, Packaging, Machine Tending, Welding, and Others), Type (Robotic Arm, Grippers, Welding Guns, and Others) and End-User Industry (Automotive, Metal & Machinery, Electronics, Pharmaceuticals, Food & beverages, Logistics, and Others)**

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## **Abstracts**

The North America collaborative robots market is expected to grow from US\$ 134.90 million in 2022 to US\$ 909.64 million by 2030. It is estimated to grow at a CAGR of 26.9% from 2022 to 2030.

Advancement in Robotics Industry Fuel North America Collaborative Robots Market  
In the coming years as machine learning algorithms and other technologies such as neuromorphic chips improvise their capabilities to enable smarter robots, the collaborative robots soon would be able to perform the tasks that only humans can do now, in fact in a better way. These robots will then be able to access a plethora of database and recognize machines, people, and parts, further enabling them to derive critical insights and act upon them. This is anticipated to be a key trend for the collaborative robots over the coming years. In addition, the players in this industry are significantly investing in the development of collaborative robots integrated with artificial intelligence and machine learning. The integration of artificial intelligence in these robots will further enhance the support to the human operators, which will be beneficial for countries with inadequate and expensive labour force.

North America Collaborative Robots Market Overview

Manufacturing industry plays a vital role in the North American economy. The region comprises of developed nations i.e., the U.S., and Canada, as well as Mexico as a developing country. The availability of efficient infrastructure in the developed nations has enabled the manufacturing companies to explore the limits of science, technology, and commerce.

Furthermore, the U.S. manufacturing sector is the second largest in the world, which accounted for around US\$ 2.3 trillion in 2021. In 1970s, manufacturing industry was the biggest component of the country's economy. However, later the country witnessed a shift towards service-based economy. This shift was attributed to several factors including the growth of banking and finance sector, and surging healthcare sector owing to increasing healthcare costs. This has resulted in the country's loss of global manufacturing market share. Another major reason was the high standard of living in the U.S. as compared to other developing economies around the world, which made the U.S. less cost competitive due to high labor costs.

North America Collaborative Robots Market Revenue and Forecast to 2030 (US\$ Million)

North America Collaborative Robots Market Segmentation

The North America collaborative robots market is segmented into payload, application, type, end-user industry, and country.

Based on payload, the North America collaborative robots market is segmented into up to 5 kgs, 5-10 kgs, and above 10 kgs. The above 10 Kgs segment held a largest share of the North America collaborative robots market in 2022.

In terms of application, the North America collaborative robots market is segmented into assembly, material handling, pick & place, quality testing, packaging, machine tending, welding, and others. The assembly segment held the largest share of the North America collaborative robots market in 2022.

Based on type, the North America collaborative robots market is segmented into robotic arm, grippers, welding guns, and others. The robotic arm segment held largest share of North America collaborative robots market in 2022.

In terms of end-user industry, the North America collaborative robots market is automotive, metal & machinery, electronics, pharmaceuticals, food & beverages, logistics, and others. The automotive segment held largest share of North America collaborative robots market in 2022.

By country, the North America collaborative robots market is segmented into the US, and Canada and Mexico. The US dominated the North America collaborative robots market in 2022.

Kuka AG, Yaskawa America Inc, Aubo (Beijing) Robotics Technology Co Ltd, Doosan Robotics Inc, Fanuc Corp, ABB Ltd, Universal Robots AS and Kawasaki Heavy Industries Ltd are some of the leading companies operating in the North America

collaborative robots market.

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