

North America Cartesian/Gantry Robots Market 2022-2032 by Subsystem, Robot Type (1, 2, 3, 4 Axis), Application, Component (Controller, Robotic Arm, End Effector, Vision Systems), Payload (350 KG), Industry Vertical, and Country: Trend Forecast and Growth Opportunity

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Abstracts

North America cartesian/gantry robots market is projected to grow by 7.7% annually in the forecast period and reach \$3,550.0 million by 2032, driven by the emerging Industry 4.0, a large scope for AI innovation, an increasing adoption of advanced gantry robots to improve the productivity and safety in manufacturing sectors.

Highlighted with 29 tables and 88 figures, this 170-page report “North America Cartesian/Gantry Robots Market 2022-2032 by Subsystem, Robot Type (1, 2, 3, 4 Axis), Application, Component (Controller, Robotic Arm, End Effector, Vision Systems), Payload (350 KG), Industry Vertical, and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America cartesian/gantry robots and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2020-2022 and provides forecast from 2023 till 2032 with 2022 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the

forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America cartesian/gantry robots in every aspect of the classification from perspectives of Subsystem, Robot Type, Application, Component, Payload, Industry Vertical, and Country.

Based on Subsystem, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Hardware

Software

Services

Based on Robot Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and shipment (thousand units) for 2022-2032 included in each section.

One Axis

Two Axis

Three Axis

Four Axis

By Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and shipment (thousand units) for 2022-2032 included in each section.

Soldering & Welding

Material Handling

Assembling & Disassembling

Painting & Dispensing

Milling & Grinding

Cutting & Processing

Other Applications

By Component, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Robot Controller Unit

Robotic Arm

End Effector

Drive

Sensors

Power Supply

Vision Systems

Other Components

By Payload, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

51-350 KG

>350 KG

By Industry Vertical, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and shipment (thousand units) for 2022-2032 included in each section.

Automotive

Electrical & Electronics

Metal & Machinery

Chemicals, Rubber & Plastics

Medical & Pharmaceutical

Food & Agriculture

Other Industry Verticals

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) and shipment (thousand units) are available for 2022-2032. The breakdown of national markets by Robot Type, Application, and Industry Vertical over the forecast years is also included.

The report also covers the current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

ABB Ltd.

Aerotech Inc

BOSCH Rexroth AG, Ltd.

Denso Corporation

Fanuc Corp.

Fibro

G?del Group AG

IAI America, Inc.

KUKA (Midea Group)

Mitsubishi Electric Corp.

Omron Corporation

Parker Hannifin Corporation

Seiko Epson Corporation

Staubli International AG

Toshiba Machine Co., Ltd.

Yamaha Robotics

Yaskawa Electric Corp.

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

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