

Global Modular Robotics Market Size study, By Robot Type (Articulated modular robots, Cartesian modular robots, SCARA modular robots, Parallel modular robots, Collaborative modular robots, Other modular robots), By Industry (Automotive, Electrical and Electronics, Plastic, Rubber, and Chemicals, Metals and Machinery, Food & Beverages, Precision Engineering and Optics, Pharmaceuticals and Cosmetics, Others {oil & gas; paper and printing; foundry and forging; ceramics and stone; construction; textiles and clothing; supply chain management; and wood industries}) and Regional Forecasts 2021-2027

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Abstracts

Global Modular Robotics Market is valued at approximately USD 6.54 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 18.00% over the forecast period 2021-2027. Modular robotics are self-configuring robots, which include various independent units with no fixed morphology. These robots are able to complete numerous tasks by rearranging themselves with the help of dynamic and autonomous variations in their geometric structures. They can create a single model for the particular applications with the continuous combination and recombination, or split into small identical models for mass production. The increasing penetration of collaborative modular robots across various industries such as healthcare, automotive, and manufacturing, innovations, and incorporation of gripping systems, coupled with the

rising investments in industrial automation are the factors that are accelerating the market demand around the world. For instance, in 2019, Acutronic Robotics collaborated with DH Robotics and Robotiq- a provider of gripping systems, with the aim of enabling the company's robots with the hardware in the ROS2 ecosystem. However, interoperability complications and problems in the integration of diverse robotic frameworks into existing facilities impede the growth of the market over the forecast period of 2021-2027. Also, the rising adoption of the robotics-as-a-service model is anticipated to act as a catalyzing factor for the market demand during the forecast period.

The key regions considered for the global Modular Robotics market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the development of the IT sector, and innovations in the gripping systems and associated technologies. Whereas, Asia-Pacific is also anticipated to exhibit the highest CAGR over the forecast period 2021-2027. Factors such as the growing investments in automation by the electrical and electronics, and automotive vendors, along with rising adoption of the collaborative modular robots primarily by the manufacturers would create lucrative growth prospects for the Modular Robotics market across the Asia-Pacific region.

Major market players included in this report are:

Toshiba Machine

Mitsubishi Electric

Comau SpA

Yamaha Motor

Cassioli Srl

ENGEL

Kawasaki Heavy Industries

ABB

Rethink Robotics

Universal Robots

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest

along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Robot Type:

Articulated modular robots

Cartesian modular robots

SCARA modular robots

Parallel modular robots

Collaborative modular robots

Other modular robots

By Industry:

Automotive

Electrical and Electronics

Plastic, Rubber, and Chemicals

Metals and Machinery

Food & Beverages

Precision Engineering and Optics

Pharmaceuticals and Cosmetics

Others (oil & gas; paper and printing; foundry and forging; ceramics and stone; construction; textiles and clothing; supply chain management; and wood industries.)

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019
Base year – 2020
Forecast period – 2021 to 2027

Target Audience of the Global Modular Robotics Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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