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Global Aerospace Robotics Market Size study & Forecast, by Type (Articulated, Cartesian, Others), by Technology (Traditional, Collaborative), by Application (Drilling, Welding, Painting, Inspection, Others) and Regional Analysis, 2022-2029

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Abstracts

Global Aerospace Robotics Market is valued at approximately USD 3.27 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 12.69% over the forecast period 2022-2029. Aerospace Robotics is a robotic technology employed to manufacture aircraft in aerospace industry. Aerospace robotics have applications in construction of aircraft for automation of different processes including non-destructive ultrasonic testing and metrology inspections, assembly process, and tasks related to drilling and fastening. The increasing expansion of aerospace services industry and growing investment in aerospace industry worldwide are key factors driving the market growth.

The rising expansion of aerospace services industry which comprised design, engineering, testing, maintenance, repair, and manufacturing services of aircrafts and aerospace components is contributing towards the growth of the Global Aerospace robotics Market. For instance – according to Statista – in 2020, the global military aircraft and aerospace manufacturing market was estimated at USD 243 billion, and the market further reached USD 255.8 billion in 2021. Additionally, between 2022 and 2041, the global aerospace services market is estimated to grow to USD 3.6 trillion, out of which around 30 percent would be generated in the U.S. and Canada, followed by Europe with 23.5 percent of the market share. Also, growing advancements in robotic technology and rising automation in aerospace industry would create a lucrative growth prospectus for the market over the forecast period. However, the high costs associated with installation of robotic systems and dearth of skilled workforce stifle market growth

throughout the forecast period of 2022-2029.

The key regions considered for the Global Aerospace Robotics Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the growing investment in aerospace industry and presence of leading market players working in the aerospace robotics space in the region. Whereas Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as growing foreign direct investments in defence and aerospace sector and increasing penetration of leading market players in the region.

Major market players included in this report are:
ABB
AV&R
Electroimpact Inc.
Fanuc Corporation
JH Robotics, Inc.
KUKA AG
Mitsubishi Electric Corporation
OC Robotics
Universal Robots A/S
Yaskawa Electric Corporation

Recent Developments in the Market:
In Dec 2019, Airbus acquired an industrial automation company, MTM Robotics. The move deepens Airbus' commitment to expanding advanced robotics capabilities within its manufacturing processes. The MTM business will retain its current leadership and 40-person staff, as well as its facility in Mukilteo, Washington, near Seattle.

Global Aerospace Robotics Market Report Scope:
Historical Data 2019-2020-2021
Base Year for Estimation 2021
Forecast period 2022-2029
Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends
Segments Covered Type, Technology, Application, Region
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World
Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

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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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential 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 Type
Articulated
Cartesian
Others

By Technology
Traditional
Collaborative

By Application
Drilling
Welding
Painting
Inspection
Others

By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

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Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
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Mexico
RoLA
Rest of the World

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