

Aerospace Robotics Market Forecast to 2030

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Report description:

Aerospace Robotics Market Forecast to 2030

Market Overview

The Aerospace Robotics Market was esteemed at USD 3,158.6 Million in 2021 and is assessed to enlist a CAGR of 11.7% during the estimated time frame. Aerospace robotics is a mechanical innovation used to fabricate airplanes in the aerospace industry. Aerospace robots are used for different assignments, including motor boring openings, fabricating, welding metal parts, and painting airframes.

Expanding interest in aerospace robotics from airplane makers to achieve the creation focus inside the period drives the development of the worldwide market. The rising interest in robotics in the aerospace business is supposed to drive the development of the worldwide market over the conjecture period. The consistent development of mechanization in the aerospace business is another variable energizing market development. The factor anticipated to fuel the growth of the global aerospace robotics market throughout the estimated time is the expansion of the production of military aircraft in the US, India, China, Russia, and the UK.

Segment Overview

The aerospace robotics market is divided into various segments based on type, component, payload, application, and geography. The traditional robots and collaborative robotics segments of the global aerospace robotics market are separated based on type. Market segments for classical robots include articulated, parallel, linear/cartesian, SCARA, and others. According to components, the global market is divided into controllers, sensors, drives, end effectors, and others. Depending on the end effector, the market is further divided into welding guns, grippers, robotic screwdrivers, sanding and deburring tools, specialty and hybrid end effectors, and others.

Based on payload, the aerospace robotics industry has been divided into four categories: up to 16 kg, 16.1-60 kg, 60.01-225.00 kg, and more than 225.00 kg. The category with the biggest market share throughout the review period is projected to be Up to 16.00 kg.

The drilling and fastening, non-destructive testing and inspection, welding, and soldering, sealing and dispensing, handling, assembling and disassembling, and other segments make up the global market.

Regional Analysis

The worldwide aerospace robotics market has been concentrated across Asia-Pacific, North America, Europe, Center East and

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Africa, and South America. Asia-Pacific drove the Worldwide Market in 2021, while the market in Asia-Pacific is supposed to enroll the most noteworthy CAGR during the gauge time frame. Also, the expanded worldwide airplane interest and creation and expanded utilization of robotics in airplane fabricating tasks are powering the development of the North American market. The developing requirement for expanded functional productivity, improved security, and new mechanical leap forward in the aerospace business is additionally expected to drive the market in the region.

Europe is among the top market pioneer in robotics, operations, and development assembling and creation. The aerospace robotics market is becoming because of expanded interest for robotization and wellbeing in organizations and the rise of minimal expense, energy-productive robots.

Major Players

The key players in the global Aerospace Robotics Market include Kawasaki Heavy Industries Ltd, ABB Group, FANUC Corporation, Kuka AG, Yaskawa electric corporation, Mtorres, Oliver Crispin Robotics Limited, Gudel AG, Electroimpact Inc., Universal Robots A/S, STAUBLI, COMAU, FESTO, and BOSTON DYNAMICS.

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