

Aircraft Electrical Actuators Market 2029 || Rockwell Automation, Honeywell International, Safran, Collins Aerospace

The aircraft actuators consist of a reduction gear which is used to control the rotating motion.

PORTLAND, OR, UNITED STATES, March 15, 2022 /EINPresswire.com/ -- Aircraft arresting system is used to decrease the speed of an aircraft at the time of landing. Aircraft arresting systems absorb the momentum of the aircraft in order to stop aircraft in various circumstances such as in regular landing, in emergency landing, and during the aborted takeoff. The aircraft arresting systems are broadly categorized into three types: aircraft arresting barriers, aircraft arresting cables, and engineered material arresting systems. Engineered material arresting system (EMAS) is used at commercial airports, while aircraft arresting barriers & aircraft arresting cables are military systems used for tactical aircrafts such as fighter aircraft. Aircraft arresting systems can be fixed in a runway or can be portable in nature, depending on its use. Aircraft arresting systems increase safety of passengers & pilots by assisting in secure aircraft landing. In aircraft carrier, aircraft arresting system uses arresting gears. Several steel wire ropes are fitted across the aircraft landing area in the aircraft carrier. The tailhook of aircraft engages the wire and converts aircraft kinetic energy into hydraulic energy to stop the aircraft.

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Major Market Players:

Rockwell Automation Inc., Honeywell International Inc., Moog Inc., Safran, Collins Aerospace, Woodward Inc., Infineon Technologies AG, Microsemi, Vishay Intertechnology Inc., Airbus S.A.S., and Boeing.

Increase in air passenger traffic across the world, technological advancements in electrical actuators, demand for reducing aircraft weight, and increase in demand for premium air travel are the factors which drive the growth of the aircraft electrical actuators market. However, rapid technological upgrades are hampering the market growth. Modernization plans of the existing aircrafts are expected to create new opportunities in the global electrical aircraft actuators market.

Advancements in electric actuators technologies such as improvements in permanent magnet material, electromagnetic designs, robustness, and efficiency have increased power density at reduced costs. Moreover, electric actuators have lower weight as compared to the hydraulic or

pneumatic actuators. In addition, the use of electric actuators also diminishes the energy consumption of the flight control system, which is further increasing the use of electric actuators. Hence, such continuous technological advancements in electric actuators are driving the growth of the global electrical actuators market.

COVID-19 Scenario analysis:

- Due to COVID-19 situation, the production of aircraft electrical actuators across the globe has been hampered due to the declared lockdowns and government restrictions on travelling.
- Supply of aircraft electrical actuators parts such as electronic components, position sensors, arresting brakes have been adversely impacted due to COVID-19.
- Government restrictions on travelling due to COVID-19 has adversely impacted the demand for new commercial & private business jets. Thereby, growth of aircraft electrical actuators market has also been negatively impacted.
- Demand of aircraft electrical actuators is expected to rise in near future as travel restrictions start loosen up in few parts of the world.
- Demand for spare parts is also down since there are no requirement from the airlines as many airline's businesses has been closed due to COVID-19 pandemic.

Key benefits of the report:

- This study presents the analytical depiction of the aircraft actuators industry along with the current trends and future estimations to determine the imminent investment pockets.
- The report presents information related to key drivers, restraints, and opportunities along with detailed analysis of the global aircraft actuators market share.
- The current market is quantitatively analysed from 2020 to 2027 to highlight the global aircraft actuators market growth scenario.
- Porter's five forces analysis illustrates the potency of buyers & suppliers in the market.
- The report provides a detailed global aircraft actuators market analysis based on competitive intensity and how the competition will take shape in coming years.

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