

Ensuring Safe Landings : Harnessing the Strength of Aircraft Arresting Systems

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/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 to stop aircraft in various circumstances such as in regular landing, in emergency landing, and during the aborted take off. 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.



Aircraft Arresting Systems

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Due to COVID-19 situation, the R&D in aircraft arresting systems has been hampered due to the declared lockdowns and government restrictions on public gatherings.

Supply of aircraft arresting system parts such as arresting gear and related components have been adversely impacted due to COVID-19.

Travel restrictions and reduction in military activities due to COVID-19 has also adversely effected

growth of global [aircraft arresting systems market](https://www.alliedmarketresearch.com/aircraft-arresting-systems-market), as aircraft arresting system is also used in CATOBAR and STOBAR aircraft carriers.

Demand may rise extensively in global aircraft arresting systems market in upcoming quarter as industry's production has started to get momentum after tough phase of COVID-19.

Increase in spending on runway safety, advancement in arresting gear technologies, increase in use of arresting systems in naval carriers, and growth in installation of EMAS at airports are some of the major factors that drive the growth of the global aircraft arresting systems market. However, high costs involved in development & maintenance of aircraft arresting system is restraining the growth of the aircraft arresting systems market. Contrarily, increase in use of aircraft arresting gears in unmanned aerial vehicles (UAVs) is expected to further boost the demand for aircraft arresting systems in the future.

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Key Benefits for Stakeholders

- This study presents the analytical depiction of the aircraft arresting systems 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 global aircraft arresting systems market share.
- The current market is quantitatively analyzed to highlight the global aircraft arresting systems market growth scenario.
- Porter's five forces analysis illustrates the potency of the buyers & suppliers in the market.
- The report provides a detailed global aircraft arresting systems market analysis based on competitive intensity and how the competition will take shape in coming years.

An aircraft overrun occurs when an aircraft is unable to stop within the runway design length. Hence, to prevent such situations, several regulatory authorities have instructed to use engineered material arresting system (EMAS) at airports. For instance, federal aviation administration (FAA) has made the installation of EMAS compulsory to all the airports in the U.S., which have insufficient runway safety length of 305 m or 1000 feet. Moreover, countries such as Germany & China are also installing EMAS at airports to prevent aircraft overrunning runways. Hence, growth in use of EMAS at airports is expected to generate significant demand in the global aircraft arresting systems market.

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Questions answered

- Q1. Which are the leading market players active in the global aircraft arresting systems market?
- Q2. What are the current trends that will influence the market in the next few years?
- Q3. What are the driving factors, restraints, and opportunities in the market?
- Q4. What are the projections for the future that would help in taking further strategic steps?

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