

Aircraft Mounts Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Application (Suspension, Engine Mounts), By Mount Type (Interior, Exterior), Aircraft Type (Narrow Body, Wide Body, General Aviation), By Region & Competition, 2020-2030F

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Abstracts

The global aircraft mounts market was valued at USD 846.96 million in 2024 and is projected to reach USD 1,286.10 million by 2030, growing at a compound annual growth rate (CAGR) of 7.21% during the forecast period. The market is witnessing significant growth, driven by advancements in aviation technologies and the increasing production of aircraft in both the commercial and military sectors. Aircraft mounts are essential components that absorb vibrations, reduce noise, and provide structural support, all of which enhance aircraft safety and operational efficiency. With the rising use of composite materials and lightweight alloys, manufacturers are focusing on developing mounts that offer improved durability and performance. Additionally, the growing investment in next-generation aircraft, including supersonic jets and advanced military platforms, is driving demand for mounts capable of withstanding extreme conditions and higher stress. Increased passenger traffic is also fueling the expansion of airline fleets and the upgrading of existing aircraft with advanced components. For example, in October 2024, the International Air Transport Association (IATA) reported a 7.1% rise in global passenger demand compared to October 2023, with total capacity increasing by 6.1%. International demand grew by 9.5%, while domestic demand saw a 3.5% increase.

Market Drivers

Rising Aircraft Production

The demand for both commercial and military aircraft is expanding due to increasing global air traffic and ongoing defense modernization initiatives. Airlines are expanding their fleets to accommodate rising passenger numbers, particularly in emerging economies where air travel is becoming more accessible. Military organizations are also investing in advanced aircraft with cutting-edge technologies to enhance operational capabilities. This surge in aircraft production requires robust and efficient mounts to ensure safety, performance, and durability. Aircraft mounts play a crucial role in minimizing structural vibrations and noise, thereby enhancing the overall stability of the aircraft. The need for fleet replacement cycles, driven by maintenance challenges and rising operational costs, is also increasing the demand for aircraft mounts. Furthermore, governments and private entities are prioritizing next-generation aviation programs, further driving aircraft production and the demand for essential components such as mounts. To meet these growing needs, manufacturers are scaling up production and adopting advanced techniques to ensure high precision and quality. For instance, Airbus has forecasted the delivery of over 42,000 new passenger aircraft by 2043, with strong demand for 15,000 single-aisle aircraft due to growing global air traffic. The forecast also highlights the industry's focus on environmental sustainability, including the development of fuel-efficient and low-emission aircraft.

Key Market Challenges

High Production Costs

The manufacturing of aircraft mounts involves the use of advanced materials and precision engineering, both of which contribute to high production costs. These materials, while offering superior performance, often come at a premium price. The intricate design and testing processes necessary to ensure the safety and reliability of the components further elevate costs. Smaller operators and budget-conscious customers may find it difficult to afford these high-end mounts, creating a barrier to widespread adoption. Striking a balance between innovation and cost efficiency remains a significant challenge for manufacturers aiming to serve a broad customer base. High production costs also hinder the ability of manufacturers to scale operations for global markets, limiting growth opportunities. To address these challenges, manufacturers are exploring automation and cost-effective production methods, such as additive manufacturing, to balance quality with affordability.

Key Market Trends

Adoption of 3D Printing

The adoption of 3D printing, or additive manufacturing, is transforming the production of aircraft mounts by enabling the creation of complex and lightweight designs. This technology reduces material waste, shortens production cycles, and provides greater design flexibility. Manufacturers can produce mounts with intricate geometries that would be difficult or impossible to achieve with traditional methods. Rapid prototyping and testing are additional benefits of 3D printing, allowing for faster innovation and customization. The technology also supports the use of advanced materials, such as composites and metal powders, which further enhance the performance of the mounts. Companies are increasingly exploring multi-material printing, allowing them to combine the best properties of various materials in a single component. The integration of digital twins and simulation tools with 3D printing ensures optimized designs before production, streamlining the manufacturing process.

Key Market Players

GMT Rubber-Metal-Technic Ltd.

Mayday Manufacturing

Airloc Ltd.

Lord Corporation

Meeker Aviation

Cadence Aerospace

Trelleborg Group

Hutchinson Aerospace GmbH

Shock Tech, Inc.

Singapore Aerospace Manufacturing Pte Ltd

Report Scope

This report segments the global aircraft mounts market into the following categories, providing detailed insights into market trends and forecasts:

By Application:

Suspension

Engine Mounts

By Mount Type:

Interior

Exterior

By Aircraft Type:

Narrow Body

Wide Body

General Aviation

By Region:

North America: United States, Canada, Mexico

Europe & CIS: France, Germany, Spain, Italy, United Kingdom

Asia-Pacific: China, Japan, India, Vietnam, South Korea, Thailand, Australia

Middle East & Africa: South Africa, Saudi Arabia, UAE, Turkey

South America: Brazil, Argentina

Competitive Landscape

This section offers an in-depth analysis of the key players in the global aircraft mounts market.

Available Customizations

TechSci Research provides customizations based on the specific needs of clients. The following options are available for the report:

Detailed analysis and profiling of additional market players (up to five).

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