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India Aircraft Components Market, By Component Type (Engines, Avionics, Landing Gear, Cabin Interiors, Propulsion Systems, Others), By Aircraft Type (Commercial Aircraft, Military Aircraft, Business Jets), By End-User (OEMs, MROs, Airlines, Defense), By Region, Competition, Forecast & Opportunities, 2021-2031F

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Abstracts

India Aircraft Components Market was valued at USD 17.14 billion in 2025 and is expected to reach USD 25.56 billion by 2031 with a CAGR of 6.89% during the forecast period. The India Aircraft Components Market is witnessing steady expansion due to the rising need for technologically advanced aircraft. The growth of commercial aviation, along with the modernization of defense fleets, is generating strong demand for engines, avionics, landing gear, cabin interiors, and propulsion systems. Investments in aircraft maintenance and repair operations are driving adoption of high-performance components. Focus on fuel efficiency, lightweight materials, and reliability is influencing design and production strategies across the market. According to the Ministry of Civil Aviation (MoCA, India, 2024), India’s civil aviation sector handled over 350 million passengers in 2023, driving significant demand for aircraft components and maintenance, repair, and overhaul (MRO) activities.

Rising technological innovations are creating opportunities for integrating smart avionics, composite materials, and electric propulsion systems in aircraft components. Emerging trends include the development of modular and multifunctional systems that enhance aircraft performance and operational efficiency. The market also benefits from the expansion of domestic manufacturing capabilities, which supports local supply chains and reduces dependency on imports. According to the Society of Indian

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Aerospace Technologies and Industries (SIATI, 2023), India’s aerospace manufacturing sector, including aircraft components, contributed over USD 5.2 billion in revenue in 2022, with annual growth of 10–12%.

Market Drivers

Rising Demand for Commercial Aircraft

The rapid expansion of air travel has increased the need for new commercial aircraft, which directly fuels demand for components like engines, avionics, and landing gear. According to the Directorate General of Civil Aviation (DGCA, India, 2023), India had around 750 operational aircraft in 2023, creating a growing requirement for indigenous and imported aircraft components. Airlines seek reliable, fuel-efficient systems to reduce operational costs. This rising demand stimulates investment in component manufacturing and innovation, encouraging suppliers to adopt advanced materials and technologies. The focus on safety, durability, and performance enhances the adoption of sophisticated cabin interiors, propulsion systems, and electrical components. Growth in passenger traffic and fleet expansions across domestic airlines is creating sustained opportunities for component suppliers, boosting market development and technological advancement.

Key Market Challenges

High Production Costs

Advanced aircraft components require sophisticated materials, precision engineering, and specialized labor, which elevate production expenses. Manufacturing high-performance engines, avionics, and propulsion systems demands significant capital investment in machinery, tooling, and technology. Rising raw material prices further impact cost structures. Smaller suppliers may struggle with economies of scale, affecting profitability. Efficient cost management, process optimization, and supplier collaboration become critical for competitiveness. High production costs can also influence aircraft procurement budgets and aftermarket pricing, posing challenges for both manufacturers and operators seeking cost-effective, high-quality components.

Key Market Trends

Integration of Advanced Avionics Systems

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Modern aircraft are increasingly equipped with digital avionics, including navigation, communication, and flight management systems. Integration of smart sensors, automated monitoring, and predictive diagnostics enhances operational efficiency, safety, and reliability. These systems allow real-time performance tracking and facilitate preventive maintenance, reducing downtime. Adoption of modular avionics designs enables easier upgrades and interoperability across aircraft types. The trend reflects a shift toward data-driven operations and digital cockpit environments, encouraging suppliers to innovate in component design, software integration, and system validation to meet evolving operational requirements.

Key Market Players

Adani Defence & Aerospace

Alpha Design Technologies

Astra Microwave Products

Bharat Electronics Limited (BEL)

Dynamatic Technologies Limited

Godrej Aerospace

Hindustan Aeronautics Limited (HAL)

Mahindra Aerospace

Tata Advanced Systems Limited (TASL)

Zen Technologies

Report Scope:

In this report, India Aircraft Components Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Aircraft Components Market, By Component Type:

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Engines

Avionics

Landing Gear

Cabin Interiors

Propulsion Systems

Others

India Aircraft Components Market, By Aircraft Type:

Commercial Aircraft

Military Aircraft

Business Jets

India Aircraft Components Market, By End User:

OEMs

MROs

Airlines

Defense

India Aircraft Components Market, By Region:

North

South

West

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East

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the India Aircraft Components Market.

Available Customizations:

India Aircraft Components Market report with the given market data, TechSci Research, offers customizations according to the company's specific needs. The following customization options are available for the report:

Company Information

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

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