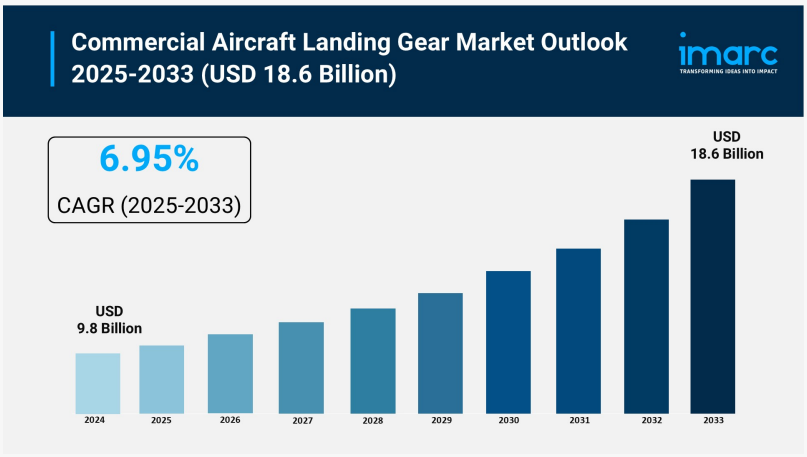
Commercial Aircraft Landing Gear Market Size Worth USD 18.6 Billion Globally by 2033 at a CAGR of 6.95%

IMARC Group expects the commercial aircraft landing gear market to reach USD 18.6 Billion by 2033, exhibiting a growth rate (CAGR) of 6.95% during 2025-2033.



Commercial Aircraft Landing Gear Market size

ARIZONA, AZ, UNITED STATES, October 9, 2025 /EINPresswire.com/ -- □□□□□□□ □□□□□□□□□:

The commercial aircraft landing gear market is experiencing rapid growth, driven by Expansion of Global Air Travel Networks, Fleet Modernization and Fuel Efficiency Goals and Increase in Aircraft Production Rates. According to IMARC Group's latest research publication, "□□□□□□□□□□ □□□□□□□□ □□□□□□□ □□□□ □□□□□□: □□□□□□ □□□□□□□□ □□□□□□, □□□□□, □□□□, □□□□□□, □□□□□□□□□□□ □□□ □□□□□□□□ □□□□-□□□□", The global commercial aircraft landing gear market size reached USD 9.8 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 18.6 Billion by 2033, exhibiting a growth rate (CAGR) of 6.95% during 2025-2033.

This detailed analysis primarily encompasses industry size, business trends, market share, key growth factors, and regional forecasts. The report offers a comprehensive overview and integrates research findings, market assessments, and data from different sources. It also includes pivotal market dynamics like drivers and challenges, while also highlighting growth opportunities, financial insights, technological improvements, emerging trends, and innovations. Besides this, the report provides regional market evaluation, along with a competitive landscape analysis.

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 Market Dynamics
 Market Trends And Market Outlook
 Competitive Analysis
 Industry Segmentation
 Strategic Recommendations

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Global air travel networks are expanding rapidly due to the resurgence of tourism, economic globalization, and new trade corridors. Airlines are investing heavily in fleet expansion to meet rising passenger demand, particularly in Asia-Pacific and the Middle East. The construction of new airports and the addition of long-haul routes are driving significant demand for reliable landing gear systems. Low-cost carriers are also strengthening regional connectivity with high aircraft utilization rates, necessitating durable yet lightweight landing gear solutions. This expansion across both commercial and cargo fleets is creating consistent opportunities for suppliers, reinforcing the landing gear segment’s importance in aviation growth.

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Fleet modernization initiatives are accelerating as airlines seek to enhance operational efficiency and meet sustainability targets. The replacement of aging aircraft with next-generation, fuel-efficient models requires landing gear systems compatible with composite airframes and advanced avionics. Manufacturers are incorporating lightweight alloys, intelligent braking systems, and carbon composite structures to reduce weight and drag. Major players like Safran and Liebherr are introducing eco-optimized landing gear designs that improve fuel economy and reduce maintenance costs. This modernization aligns with global carbon reduction mandates, pushing OEMs and suppliers to innovate systems that balance performance, safety, and environmental responsibility in aviation operations.

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Aircraft production is witnessing a sharp rebound as OEMs ramp up deliveries to fulfill massive order backlogs. Airbus and Boeing are both scaling up output of narrow-body and wide-body models, directly increasing demand for landing gear assemblies and related components. This upsurge is prompting suppliers to expand manufacturing capacity, adopt automation, and improve material sourcing strategies. Governments are offering support through aerospace cluster incentives to boost domestic production capabilities. Despite challenges such as material shortages and precision engineering requirements, the growing production volume ensures long-term opportunities for landing gear manufacturers, making scalability and supply chain resilience crucial for success.

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The aviation sector is steadily transitioning toward electric and electro-hydraulic landing gear systems to improve efficiency and sustainability. These advanced systems minimize hydraulic fluid use, enhance control precision, and simplify maintenance. OEMs are integrating electric actuators and braking mechanisms to reduce aircraft weight and improve ground handling performance. Companies like Honeywell and Safran are pioneering electric taxiing technologies that enable fuel-free taxi operations. As airlines pursue “More Electric Aircraft” concepts, these systems are becoming critical for reducing emissions and operating costs. Their adoption marks a major step toward achieving greener, smarter, and more efficient aviation platforms globally.

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Smart sensors and digital monitoring systems are revolutionizing aircraft maintenance by enabling predictive analytics. Embedded IoT sensors within landing gear now track parameters such as strut pressure, shock loads, and brake wear in real time. The data collected is analyzed through AI-driven platforms, allowing early detection of potential failures. Companies like Airbus and Lufthansa Technik are leading with digital twin technologies that simulate wear conditions for optimized maintenance scheduling. This predictive approach minimizes unplanned downtimes, extends component life, and enhances flight safety. By transitioning from reactive to predictive models, airlines are achieving improved efficiency and reduced maintenance expenditures.

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The pursuit of lightweight and modular landing gear systems is transforming aircraft engineering. Advanced materials such as titanium, carbon composites, and additive-manufactured alloys are being widely adopted to achieve superior strength-to-weight ratios. Modular configurations allow easier replacement of parts, lowering maintenance costs and reducing aircraft turnaround times. Leading manufacturers like Héroux-Devtek and Collins Aerospace are investing in 3D-printing and modular assembly technologies to boost production efficiency. These developments contribute to fuel savings, operational agility, and sustainability goals. As airlines aim to maximize payload capacity and efficiency, lightweight modular landing gear solutions are becoming a strategic priority for future fleets.

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 CIRCOR International, Inc.
 Collins Aerospace
 Héroux-Devtek
 magroup
 Mecaer Aviation Group
 Revima
 Safran SA
 Sumitomo Precision Products Co., Ltd
 Triumph Group
 Whippany Actuation Systems

[illegible]:

[illegible]:

 Narrow Body
 Wide Body
 Regional Jet
 Others

Narrow-body exhibits a clear dominance in the market attributed to the high demand for narrow-body aircraft in regional and short-haul flights.

[illegible]:

 Main Landing Gear
 Nose Landing Gear

Main landing gear represents the largest segment, as it bears the primary load during takeoff and landing.

[illegible]:

 Tricycle
 Tandem
 Tailwheel

Tricycle holds the biggest market share owing to the ability of tricycle configuration to provide enhanced stability, ease of landing, and better forward visibility.

[illegible]:

 North America (United States, Canada)

 Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, Others)
 Europe (Germany, France, United Kingdom, Italy, Spain, Russia, Others)
 Latin America (Brazil, Mexico, Others)
 Middle East and Africa

Asia Pacific dominates the market due to increasing air travel, growing fleet size, and rising investments in aviation infrastructure across the region.

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Bus Market Research Report

Greenhouse Horticulture Market Research Report

Electric Vehicle Aftermarket: https://www.imarcgroup.com/electric-vehicle-aftermarket

Archery Equipment Market: https://www.imarcgroup.com/archery-equipment-market

Inflight Catering Market: https://www.imarcgroup.com/inflight-catering-market

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IMARC Group is a global management consulting firm that helps the world's most ambitious changemakers to create a lasting impact. The company provide a comprehensive suite of market entry and expansion services. IMARC offerings include thorough market assessment, feasibility studies, company incorporation assistance, factory setup support, regulatory approvals and licensing navigation, branding, marketing and sales strategies, competitive landscape and benchmarking analyses, pricing and cost research, and procurement research.

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