

Global Aircraft Air Brake Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GA0423A5B8A2EN.html>

Date: February 2026

Pages: 131

Price: US\$ 4,480.00 (Single User License)

ID: GA0423A5B8A2EN

Abstracts

The global Aircraft Air Brake market size is expected to reach \$ 1709 million by 2032, rising at a market growth of 5.9% CAGR during the forecast period (2026-2032).

In 2025, global production of aircraft air brakes reached 372,000 units, with an average selling price of US\$2,980 per unit. Aircraft air brakes are secondary flight control devices that significantly increase drag during flight by extending movable panels into the airflow to achieve deceleration/increase descent rate/energy management. Their applications span the entire flight path from descent to approach to landing to go-around/takeoff abort, including controlling the descent rate at high altitude/late cruise, precisely controlling speed and distance under ATC limitations and complex approach profiles, maintaining configuration/thrust margin while suppressing overspeed in the late approach phase, and quickly releasing lift through ground turbulence after touchdown to shorten the runway and improve the effectiveness of wheel brakes/anti-skid systems. The upstream of the industry chain includes pneumatic/structural materials (aluminum alloy/titanium alloy/composite panels, honeycomb sandwich panels, corrosion-resistant fasteners, seals and coatings), electromechanical-hydraulic systems (actuators (hydraulic cylinders/electrohydraulic/motors), valve blocks and pipelines, position/load sensors, wiring harnesses and connectors), and control and software; the midstream includes manufacturing and final assembly, actuator and electromechanical system integration, system-level testing and airworthiness compliance; the downstream is mainly for line assembly delivery by aircraft OEMs and the aftermarket (MRO/spare parts/overhaul/modification). Gross profit margins range from 20% to 40%.

Key technological development trends include: ? Electrification of actuation systems (EHA/EMA) and redundant architecture driven by 'More-electric aircraft,' with the goal of reducing weight, lowering maintenance, improving energy efficiency and diagnostics; ?

Penetration of composite materials and high-speed manufacturing in secondary flight control panels (e.g., RTM processes are used for manufacturing spoiler structures with high consistency and traceability to support high-volume ramp-up and cost reduction for narrow-body aircraft); ? 'Functional integration' deeply coupled with flight control software (speed braking/spoilers and roll control, load mitigation, ground turbulence logic linkage), and predictive maintenance driven by health monitoring (HUMS/PHM); ? Evolution of the supply chain towards 'system-level integrator concentration' (active mergers and acquisitions in flight control/actuation/electromechanical systems). On the global market demand side: firstly, the size and utilization rate of the global fleet (which determines the intensity of aftermarket replacement/repair), and secondly, the delivery pace of new aircraft (which determines line assembly). On the supply side, flight control/actuators and key materials systems are highly concentrated in North America and Europe, while the Asia-Pacific region continues to increase its weight in airframe structure manufacturing and localization. Currently, the industry is generally affected by the combined effects of 'supply chain constraints + delivery ramp-up + MRO capacity expansion', and the aftermarket remains resilient against the backdrop of high fleet utilization.

This report studies the global Aircraft Air Brake production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Aircraft Air Brake and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Aircraft Air Brake that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Aircraft Air Brake total production and demand, 2021-2032, (K Units)

Global Aircraft Air Brake total production value, 2021-2032, (USD Million)

Global Aircraft Air Brake production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Aircraft Air Brake consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Aircraft Air Brake domestic production, consumption, key domestic manufacturers and share

Global Aircraft Air Brake production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Aircraft Air Brake production by Type, production, value, CAGR, 2021-2032,

(USD Million) & (K Units)

Global Aircraft Air Brake production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Aircraft Air Brake market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Knorr Bremse, Wabco, Haldex, Merito, Rapco Fleet Support, Meggitt, UTC Aerospace Systems, Revolv, Parker, Honeywell Aerospace, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Aircraft Air Brake market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Aircraft Air Brake Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Aircraft Air Brake Market, Segmentation by Type:

Pure Speed ??Braking

Spoiler-Type Air Brake

Global Aircraft Air Brake Market, Segmentation by Installation Location/Configuration:

Multi-blade Spoiler on Wing

Symmetrical Flaps on Both Sides of Fuselage

Pental Fin Air Brake

Tail Cone/Tail Section

Global Aircraft Air Brake Market, Segmentation by System Implementation:

Traditional Hydraulic Actuation

Electro-hydraulic Actuation

Electro-screw Actuation

Global Aircraft Air Brake Market, Segmentation by Application:

OEM

Aftermarket

Companies Profiled:

Knorr Bremse

Wabco

Haldex

Merito

Rapco Fleet Support

Meggitt

UTC Aerospace Systems

Revolv

Parker

Honeywell Aerospace

Safran Landing Systems

TAE Aerospace

Key Questions Answered:

1. How big is the global Aircraft Air Brake market?
2. What is the demand of the global Aircraft Air Brake market?
3. What is the year over year growth of the global Aircraft Air Brake market?
4. What is the production and production value of the global Aircraft Air Brake market?
5. Who are the key producers in the global Aircraft Air Brake market?
6. What are the growth factors driving the market demand?

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