

# Global Aircraft Thrust Reverser Actuation Systems Market 2023

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## Abstracts

### Description

The global aircraft thrust reverser actuation systems market is forecast to grow from USD 2.55 billion in 2022 to USD 4.13 billion by 2029, exhibiting a compound annual growth rate of 6.9% during this period. Thrust reversers play a crucial role during aircraft landing by redirecting engine fan airflow to enable rapid deceleration. This reduces brake wear and enables safe landing on short runways.

The COVID-19 pandemic adversely impacted the market due to disruptions in global supply and demand. However, with the easing of restrictions, air travel demand has rebounded sharply. This is driving fleet expansion and modernization efforts by airlines, restoring positive momentum to the market. Growth is expected to align with evolving OEM production rates and aftermarket maintenance needs, despite some lingering supply chain challenges.

The emergence of tighter emission regulations is also catalyzing investments into upgraded electronic thrust reverser actuation systems. Currently, target, clam-shell, and cold stream reverser designs are the most widely adopted. Looking ahead, additive manufacturing technologies are poised to transform the market by reducing production and maintenance costs for critical actuation components.

### Market Segmentation

The market is segmented based on platform, mechanism, and geography.

### Segmentation by Platform

Commercial Aircraft

Military Aircraft

Business Jets

Segmentation by Mechanism

Hydraulic

Electric

Segmentation by Geography

North America %li%United States, Canada

Europe %li%United Kingdom, France, Germany, Russia, Rest of Europe

Asia-Pacific – China, India, Japan, Rest of Asia-Pacific

Latin America – Mexico, Brazil, Rest of Latin America

Middle East and Africa %li%Saudi Arabia, United Arab Emirates, Egypt, Rest of Middle East and Africa

The business aviation market is witnessing strong growth, fueled by rising numbers of high-net-worth individuals, fractional ownership programs, and increasing demand for charter services. This is attracting new players, including commercial airlines diversifying into the business jet segment.

Prominent business aircraft models include the Boeing B777X, Boeing 787 Dreamliner, Bombardier Global 7500, Cessna Citation Longitude, Cessna Citation Sovereign, Dassault Falcon 8X, and Gulfstream G650 among others. Major manufacturers like Gulfstream, Bombardier, Dassault and Embraer are launching next-generation jets with advanced engines and thrust reverser systems to cater to growing global demand.

Thrust reverser actuation systems suppliers such as Safran SA, Rolls-Royce, and Woodward Inc. provide key components to these airframers. The positive outlook is

underpinned by rising high-net-worth resources, new ownership models expanding access, and growing appetite for chartered flights.

Regionally, China is witnessing massive air traffic growth with the potential to become the largest market surpassing the US. Airport infrastructure expansion and air network development is spurring aircraft demand. India is also expected to see high domestic traffic and a strong aviation recovery. Mature Asia-Pacific markets like Japan, Australia, Singapore, Malaysia, South Korea, Thailand, and Indonesia exhibit steady growth. Overall, favorable economic conditions and government support continue to drive business jet affordability and uptake of associated thrust reverser actuation systems in the Asia Pacific region.

### Competitive Landscape

Prominent players in the commercial aircraft leasing market include Arkwin Industries Inc. (TransDigm Group Inc.), Diakont Advanced Technologies Inc., Honeywell International Inc., Parker Hannifin Corporation, RTX Corporation (Collins Aerospace), Safran S.A., Singapore Technologies Engineering Ltd., Spirit AeroSystems Holdings Inc., The NORDAM Group Inc., Triumph Group Inc., and Woodward Inc. These companies strategically expand operations in different regions, offering flexible manufacturing options for aircraft thrust reverser actuation systems. This allows efficient production and supply to system integrators, aircraft OEMs, and MRO providers at a lower cost. The market's attractiveness aligns with the recovery of the global aviation industry, with demand arising from both OEMs and MRO channels, fueling market growth.

### Recent Industry Developments

TAP Air Portugal plans to expand its route network for summer 2023, adding new destinations and increasing frequencies from its Porto base. The carrier has already grown its fleet to 100 aircraft and aims to acquire 71 more by 2025, including A330neos, A320neos, A321neos, and A321LRs.

United Airlines ordered 200 widebody planes from Boeing, to be delivered between 2024 and 2032. They have the option to choose from B787-8, B787-9, or B787-10 models, allowing for diverse route support.

American Airlines signed an agreement with Boeing for 30 new B737 Max 8 jets. Delivery is scheduled for 2023 and 2024, with 15 aircraft each year.

## Why Buy This Report?

Get a detailed picture of the Global Aircraft Thrust Reverser Actuation Systems Market

Identify segments/areas to invest in over the forecast period in the Global Aircraft Thrust Reverser Actuation Systems Market

Understand the competitive environment, the market's leading players

The market estimate for ease of analysis across scenarios in Excel format

Strategy consulting and research support for three months

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