

# Aerospace Tester Market to Reach USD \$30.02 Million by 2029 at 3.4% CAGR

*The Business Research Company's  
Aerospace Tester Global Market Report  
2025 – Market Size, Trends, And Global  
Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED  
KINGDOM, August 4, 2025

/EINPresswire.com/ -- What Is The  
Estimated Industry Size Of [Aerospace  
Tester Market?](#)



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The size of the aerospace tester market has seen a consistent increase over the past few years. It is forecasted to expand from a worth of \$25.1 billion in 2024 to a value of \$26.17 billion in 2025, demonstrating a compound annual growth rate (CAGR) of 4.2%. This growth during the historical

period can be ascribed to factors such as heightened concerns over safety, a rise in the intricacy of aerospace systems, the internationalization of aerospace supply chains, and a surge in military modernization initiatives.

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Stable growth is predicted for the aerospace tester market in the upcoming years, with expectations for it to expand to \$30.02 billion by 2029, having a compound annual growth rate (CAGR) of 3.5%. This growth is anticipated due to various factors such as an increase in the number of aircraft, the rising demand for sophisticated aircraft, heightened focus on safety protocols and regulations, a

surge in automation and artificial intelligence, and heightened concern for cybersecurity. The forecast period is poised to witness notable trends such as product innovations, technological advancements, a shift towards additive manufacturing, digital transformation, and the incorporation of artificial intelligence.

Download a free sample of the aerospace tester market report:

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What Are The Major Factors Driving The Aerospace Tester Global Market Growth?

The growth of the aerospace tester market is predicted to be driven by the burgeoning commercial space industry. The commercial space industry encompasses economic actions involving the creation and dispatch of components into or beyond Earth's orbit, along with the services wrought from those components. Rapid advancements in the commercial space sector can be attributed to a multitude of factors such as the surge in demand for satellite offerings, space tourism, asteroid excavation, and escalating private financial contributions. Aerospace testers or testing devices are deployed to implement stringent testing and verification strategies, assuring that spacecraft, satellites, propulsion set-ups, avionics, and assorted aerospace technology meet the exacting quality parameters and regulatory prerequisites before they are put to use in commercial space tasks. For example, the Space Foundation, a nonprofit body based in the U.S., reported in January 2023 that the worldwide space economy elaborated by 8%, reaching an overall value of \$546 Billion, while the commercial section of the space sector experienced nearly an 8% growth reaching \$427.6 billion. Consequently, the rising advancements in the commercial space industry is fuelling the aerospace tester market's expansion.

#### Who Are The Leading Companies In The Aerospace Tester Market?

Major players in the Aerospace Tester Global Market Report 2025 include:

- Boeing Company
- Lockheed Martin Corporation
- Airbus Group
- General Electric Co.
- Northrop Grumman Corporation
- BAE Systems Plc
- L3Harris Technologies Inc.
- Illinois Tool Works Inc.
- Textron Inc.
- Leonardo S.p.A.

#### What Are The Prominent Trends In The Aerospace Tester Market?

Major corporations in the aerospace tester sector are developing innovative technological products, such as next-generation Rotor Analysis Diagnostic Systems (RADS), to boost their market earnings. The said next-generation Rotor Analysis Diagnostic System (RADS) is a travel-friendly vibration diagnostic tool that allows operators to complete rotor track and balance analysis operations more rapidly, thereby requiring fewer flights. As an example, in March 2023, GE Aerospace, an American aero-space firm, introduced the latest Rotor Analysis Diagnostic Systems (RADS), an aerospace tester structured to lessen pilot time and fuel usage by allowing operators to conduct rotor track and balance analytics more effectively. The system is engineered for use in tracking the rotor health of military and commercial helicopters. When a permanent installation is unachievable or to complement existing systems, GE Aerospace's RADS-NG will substitute the portable helicopter vibration diagnostic solution, which will also supersede the RADS-AT (Advanced Technology) and the RADS-AVA (Aviation Vibration Analyzer). The system offers a quicker and more user-friendly interface with the versatility to service all

major helicopter models. Furthermore, the system can analyze vibrations for fixed-wing aircraft, including the Lockheed C-130 Hercules.

What Are The Primary Segments Covered In The [Global Aerospace Tester Market Report](#)?

The aerospace tester market covered in this report is segmented –

- 1) By Product Type: Avionics Testers, Communication Testers, Structural Testers, Propulsion System Testers
- 2) By Application: Flight Control System Testing, Communication System Testing, Engine Testing, Structural Testing, Environmental Testing
- 3) By End User: Commercial Aviation, Defense And Military, Space And Satellite

Subsegments:

- 1) By Avionics Testers: Flight Control Testers, Navigation Testers, Display Testers, Communication Testers
- 2) By Communication Testers: Radio Frequency Testers, Satellite Communication Testers, Ground Support Communication Testers
- 3) By Structural Testers: Vibration Testers, Fatigue Testers, Load Testers
- 4) By Propulsion System Testers: Engine Testers, Fuel System Testers, Thrust Measurement Testers

View the full aerospace tester market report:

<https://www.thebusinessresearchcompany.com/report/aerospace-tester-global-market-report>

Which Region Is Forecasted To Grow The Fastest In The Aerospace Tester Industry?

In 2024, Asia-Pacific dominated the aerospace tester market and is anticipated to be the region with the most rapid growth in the years forecasted. The global market report for aerospace tester encompasses regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: [saumyas@tbrc.info](mailto:saumyas@tbrc.info)

The Business Research Company - [www.thebusinessresearchcompany.com](http://www.thebusinessresearchcompany.com)

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Oliver Guirdham

The Business Research Company

+44 7882 955267

[info@tbrc.info](mailto:info@tbrc.info)

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