

Aerospace Testing Market: Trends, Opportunities and Competitive Analysis

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Abstracts

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Aerospace Testing Market Trends and Forecast

The future of the global aerospace testing market looks promising with opportunities in the commercial/regional aircraft, business jets, helicopters, and military aircraft. The global aerospace testing market is expected to reach an estimated \$5.8 billion by 2027 with a CAGR of 4.6% from 2021 to 2027. The major growth drivers for this market are increasing aircraft deliveries, adoption of new materials in aircraft, and stringent aviation regulations & certification standards for the aircraft safety.

Emerging Trends in the Aerospace Testing Market

Emerging trends, which have a direct impact on the dynamics of the industry, include new advanced technologies for testing aircraft, such as introduction of thin film ultrasonic sensor, sweeper scanner for ultrasonic testing and introduction of advanced NDT inspection device.

A total of 79 figures / charts and 60 tables are provided in this 152-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of aerospace testing market report download the report brochure.

Aerospace Testing Market by Segments

In this market, commercial aircraft is the largest aircraft type market, whereas non destructive testing is the largest method type segment. The study includes a forecast for the global aerospace testing market by aircraft type, sourcing type, testing method type, component, and region as follows:

Aerospace Testing Market by Method Type [\$B Shipment analysis from 2016 to 2027]

Non- Destructive Testing Method

- o Ultrasonic Testing
- o Fluorescent Testing
- o Eddy current Testing
- o Visual Testing
- o Magnetic particle Testing
- o Radiographic Testing
- o Acoustic Testing
- o Macro etching Testing
- o Others.

Destructive Testing Method

- o Dynamic Testing
- o Static Testing
- o Others

Aerospace Testing Market by Aircraft Type [\$B Shipment analysis from 2016 to 2027]

Commercial/Regional Aircraft

Business Jets

Helicopter

Military Aircraft

Aerospace Testing Market by Sourcing Type [\$B Shipment analysis from 2016 to 2027]

In-House Testing

Outsource Testing

Aerospace Testing Market by Component Type [\$B Shipment analysis from 2016 to 2027]

Airframe

Engine

Interior

Aerospace Testing Market by Region [\$B Shipment analysis from 2016 to 2027]

North America

Europe

Asia Pacific

The Rest of the World

List of Aerospace Testing Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies aerospace testing companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the aerospace testing companies profiled in this report includes.

Airbus

Boeing

NTS

SGS

Mistras

Innertek

Exova

MTS

Cincinnati Sub-Zero

Dayton T Brown.

Aerospace Testing Market Insights

Lucintel forecasts that commercial aircraft will remain the largest segment and it is also expected to witness the highest growth over the forecast period due to increasing aircraft deliveries.

In-house testing is expected to remain the largest segment by sourcing type, as it reduces cost and time for testing. Outsource testing is expected to witness the highest growth during the forecast period.

Europe is expected to remain the largest region and witness the highest growth over the forecast period due to increase in aircraft deliveries in this region.

Features of the Aerospace Testing Market

Market Size Estimates: Aerospace testing market size estimation in terms of value (\$B) shipment.

Trend and Forecast Analysis: Market trend (2016-2021) and forecast (2022-2027) by segments and region.

Segmentation Analysis: Aerospace testing market size by various segments such as aircraft type, sourcing type, method type, and component type.

Regional Analysis: Aerospace testing market breakdown by key regions such as North America, Europe, and Asia & Rest of World.

Growth Opportunities: Analysis on growth opportunities in different segments and regions of aerospace testing market.

Strategic Analysis: This includes M&A, new service development, and competitive landscape of aerospace testing in the aerospace testing suppliers.

Analysis of competitive intensity of the market based on Porter's Five Forces model.

FAQ

Q1. What is the aerospace testing market size?

Answer: The global aerospace testing market is expected to reach an estimated \$5.8 billion by 2027.

Q2. What is the growth forecast for aerospace testing market?

Answer: The aerospace testing market is expected to grow at a CAGR of 4.6% from 2021 to 2027

Q3. What are the major drivers influencing the growth of the aerospace testing market?

Answer: The major drivers for this market are increasing deliveries of aircraft, adoption of new materials in aircraft, and stringent aviation regulations & certification standards for the aircraft safety

Q4. What are the major type or end use industries for aerospace testing?

Answer: Commercial/regional aircraft is the major segment by aircraft type for aerospace testing.

Q5. What are the emerging trends in aerospace testing market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, include new advanced technologies for testing aircraft, such as introduction of thin film ultrasonic sensor, sweeper scanner for ultrasonic testing and introduction of advanced NDT inspection device

Q6. Who are the key aerospace testing companies?

Answer: Some of the key aerospace testing companies are as follows:

Airbus

Boeing

NTS

SGS

Mistras

Innertek

Exova

MTS

Cincinnati Sub-Zero

Dayton T Brown

Q7. Which aerospace testing application segment will be the largest in future?

Answer: Lucintel forecasts that in-house testing is expected to remain the largest segment by sourcing type, as it reduces cost and time for testing.

Q8. In aerospace testing market, which region is expected to be the largest in next 5 years?

Answer: Europe is expected to remain the largest region and witness the highest growth over the forecast period due to increase in aircraft deliveries in this region.

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1: What are some of the most promising, high-growth opportunities for the global aerospace testing market by aircraft type (commercial/regional aircraft, business jet, helicopter, and military aircraft), by sourcing type (in-house testing and outsource testing), by method type (non-destructive testing and destructive testing), by component type (airframe, engine, and interior), and by region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2: Which segments will grow at a faster pace and why?

Q.3: Which region will grow at a faster pace and why?

Q.4: What are the key factors affecting market dynamics? What are the drivers, challenges, and business risks in this market?

Q.5: What are the business risks and competitive threats in this market?

Q.6: What are the emerging trends in this market and the reasons behind them?

Q.7: What are some of the changing demands of customers in the market?

Q.8: What are the new developments in the market? Which companies are leading these developments?

Q.9: Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10: What are some of the competing service and processes in this market and how big of a threat do they pose for loss of market share by service substitution?

Q.11: What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

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