

Automotive Material and Component Testing Market - 2025-2033

<https://marketpublishers.com/r/AE58FC4E1219EN.html>

Date: April 2026

Pages: 180

Price: US\$ 2,999.00 (Single User License)

ID: AE58FC4E1219EN

Abstracts

The Automotive Material and Component Testing Market was valued at US\$ 26.91 billion in 2025 and is anticipated to reach US\$ 36.55 billion by 2033, at a CAGR of 0.039 from 2026 to 2032.

The report delivers in-depth insights into key market dynamics, including regional growth trends, market segmentation, CAGR projections, and the revenue performance of leading industry players. It also highlights major growth drivers shaping the market landscape. Designed to provide a clear and comprehensive perspective, the report offers a detailed view of the current market size in terms of both value and volume, along with emerging opportunities and the overall development outlook of the Automotive Material and Component Testing Market.

This report delivers a comprehensive overview of the Automotive Material and Component Testing Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Automotive Material and Component Testing Market. The Automotive Material and Component Testing Market size, estimates, and forecasts are provided in terms of output/shipments (K MT) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2025–2033.

Automotive Material and Component Testing Market Scope:

By Testing Type

Destructive Testing

Non-Destructive Testing

Chemical Testing

Calibration Service

By Application Area

Material

Components

By Vehicle Type

Passenger Vehicle

Commercial Vehicle

Off-Highway Vehicle

Two Wheelers

Three Wheelers

By Testing Agency

TIC Service Provider

Government Agency

Inhouse Testing or Captive Testing

Others

By Project Type

Project Based

Annual Maintenance Contract

One Off Analysis or Walk in Analysis

Others

Key Players

SGS

Bureau Veritas

TUV SUD

DEKRA

TUV Rheinland

Intertek

Underwriters Laboratories

TUV NORD

Automotive Research Association of India

Atharva Labs

Major Highlights

This report delivers a comprehensive overview of the Automotive Material and Component Testing Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their

position in the current market, and make informed business decisions regarding Automotive Material and Component Testing Market. The Automotive Material and Component Testing Market size, estimates, and forecasts are provided in terms of output/shipments (K Sqm) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2025–2033.

This report will assist keyword manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.

Regional Analysis:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

South America (Colombia, Brazil, Argentina, Rest of South America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

Partner Identification

Increase Your Customer Base by 3X using our Partner Identification tool

Uncover strategic collaboration opportunities with DataM vetted partners aligned to your ecosystem.

Identify high potential M&A targets based on synergies, market positioning and growth trajectory.

Prioritize partners by strategic fit rather than general capability.

Why Choose DataM?

Data-Driven Insights: Dive into detailed analyses with granular insights such as pricing, market shares and value chain evaluations, enriched by interviews with industry leaders and disruptors.

Post-Purchase Support and Expert Analyst Consultations: As a valued client, gain direct access to our expert analysts for personalized advice and strategic guidance, tailored to your specific needs and challenges.

White Papers and Case Studies: Benefit quarterly from our in-depth studies related to your purchased titles, tailored to refine your operational and marketing strategies for maximum impact.

Annual Updates on Purchased Reports: As an existing customer, enjoy the privilege of annual updates to your reports, ensuring you stay abreast of the latest market insights and technological advancements. Terms and conditions apply.

Specialized Focus on Emerging Markets: DataM differentiates itself by delivering in-depth, specialized insights specifically for emerging markets, rather than offering generalized geographic overviews. This approach equips our clients with a nuanced understanding and actionable intelligence that are essential for navigating and succeeding in high-growth regions.

Value of DataM Reports: Our reports offer specialized insights tailored to the latest trends and specific business inquiries. This personalized approach provides a deeper, strategic perspective, ensuring you receive the precise information necessary to make informed decisions. These insights complement and go beyond what is typically available in generic databases.

Target Audience 2026

Manufacturers/ Buyers

Industry Investors/Investment Bankers

Research Professionals

Emerging Companies

Contents

1. METHODOLOGY AND SCOPE

- 1.1. Research Data
 - 1.1.1. Secondary Data
 - 1.1.2. Primary Data
 - 1.1.3. CAGR Analysis
- 1.2. Market Size Estimation Methodology
 - 1.2.1. Bottom-Up Approach
 - 1.2.2. Top-Down Approach
- 1.3. Market Breakdown & Data Triangulation
- 1.4. Research Assumptions
- 1.5. Limitations

2. DEFINITION AND OVERVIEW

- 2.1. Study Objectives
- 2.2. Market Definition
- 2.3. Market Scope
- 2.4. Stakeholder Analysis
- 2.5. Currency Considered
- 2.6. Study Period

3. EXECUTIVE SUMMARY

- 3.1. Key Takeaways
- 3.2. Top To Bottom Analysis
- 3.3. Market Share Analysis
- 3.4. Data Points from Key Primary Interviews
- 3.5. Data Points from Key Secondary Databases
- 3.6. Market Snapshot
- 3.7. Geographical Snapshot

4. DYNAMICS

- 4.1. Impacting Factors
 - 4.1.1. Drivers
 - 4.1.1.1. Rapid EV Adoption and Electrification

- 4.1.1.2. Focus on Vehicle Durability & Lifecycle Performance
- 4.1.1.3. Growing Complexity of Multi-Material Integration
- 4.1.2. Restraints
 - 4.1.2.1. Long Testing Cycles and High Operational Costs
 - 4.1.2.2. Supply Chain Disruptions Affecting Testing Timelines
- 4.1.3. Impact Analysis – Drivers and Restraints
- 4.1.4. Opportunity
 - 4.1.4.1. Development of Advanced Battery Testing
 - 4.1.4.2. Material Innovation Validation
- 4.1.5. Trends
- 4.1.6. Challenges

5. INDUSTRY ANALYSIS

- 5.1. Porter's Five Force Analysis
- 5.2. Political Factors
- 5.3. Social Factors
 - 5.3.1. Changing Consumer Trends
 - 5.3.2. Population Growth
 - 5.3.3. Demographic Shifts
- 5.4. Economic Factors
 - 5.4.1. Interest Rates
 - 5.4.2. Disposable Incomes
 - 5.4.3. Inflation
 - 5.4.4. GDP
 - 5.4.5. Exchange Rates
 - 5.4.6. Unemployment Rates
- 5.5. Geopolitical Factors
- 5.6. Supply/Value Chain Analysis
- 5.7. Pricing Analysis
- 5.8. Tariff Analysis
 - 5.8.1. Overview Of Relevant Tariffs
 - 5.8.2. Trade Policies Influencing the Market
 - 5.8.3. Cost Impact Factors
 - 5.8.4. Supply Chain Disruptions
- 5.9. Trade Analysis - Export-Import Scenario
- 5.10. Regulatory Analysis
- 5.11. Technology Landscape
- 5.12. Go-To-Market (GTM) Strategy

- 5.13. Innovation & R&D Trends
- 5.14. Sustainability and ESG Analysis
- 5.15. Key Strategic Initiatives
 - 5.15.1. Emerging Players and Startups
 - 5.15.2. Major Players
- 5.16. DMI Opinion

6. BY TESTING TYPE

- 6.1. Introduction
 - 6.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Type
 - 6.1.2. Market Attractiveness Index, By Testing Type
- 6.2. Destructive Testing*
 - 6.2.1. Introduction
 - 6.2.2. Market Size Analysis, US\$ Billion, 2024-2035 and Y-o-Y Growth Analysis (%), 2025-2035
 - 6.2.3. Tensile Testing
 - 6.2.4. Impact Testing
 - 6.2.5. Hardness Testing
 - 6.2.6. Fatigue Testing
 - 6.2.7. Creep and Stress Rupture Testing
 - 6.2.8. Fracture Testing
 - 6.2.9. Temperature Cycling
 - 6.2.10. IP Testing
 - 6.2.11. NVH Testing
 - 6.2.12. Shock Testing
 - 6.2.13. E&E Testing
 - 6.2.14. Corrosion Testing
 - 6.2.15. Fluid Dynamics Testing
 - 6.2.16. Metallography Testing
 - 6.2.17. Others
- 6.3. Non-Destructive Testing
 - 6.3.1. Ultrasonic Testing
 - 6.3.2. Radiography Testing
 - 6.3.3. Magnetic Particle Inspection
 - 6.3.4. Visual Testing
 - 6.3.5. Thermography Testing
 - 6.3.6. Eddy Current Testing
 - 6.3.7. Dimension and Metrology Testing

- 6.3.8. Dye Penetration Inspection
- 6.3.9. Others
- 6.4. Chemical Testing
 - 6.4.1. Spectroscopy
 - 6.4.2. Combustion Testing
 - 6.4.3. Wet Chemical Testing
 - 6.4.4. Others
- 6.5. Calibration Service

7. BY APPLICATION AREA

- 7.1. Introduction
 - 7.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application Area
 - 7.1.2. Market Attractiveness Index, By Application Area
- 7.2. Material*
 - 7.2.1. Introduction
 - 7.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
 - 7.2.3. Metals and Alloys
 - 7.2.3.1. High Strength Steel
 - 7.2.3.2. Aluminum and Alloys
 - 7.2.3.3. Copper and Alloys
 - 7.2.3.4. Titanium and Alloys
 - 7.2.3.5. Superalloys
 - 7.2.3.6. Others
 - 7.2.4. Polymers and Plastics
 - 7.2.4.1. Polypropylene
 - 7.2.4.2. ABS
 - 7.2.4.3. Nylon
 - 7.2.4.4. CFRP
 - 7.2.4.5. GFRP
 - 7.2.4.6. Others
 - 7.2.5. Ceramics and Refractories
 - 7.2.6. Rubber and Elastomers
 - 7.2.7. Textiles and Leather
 - 7.2.8. Paints and Coatings
 - 7.2.9. Others
- 7.3. Components
 - 7.3.1. Engine Parts
 - 7.3.2. Transmission

- 7.3.3. Suspension
- 7.3.4. Brakes
- 7.3.5. Steering
- 7.3.6. Body in White
- 7.3.7. Seating
- 7.3.8. Interiors
- 7.3.9. Doors, Hinges, and Latches
- 7.3.10. Wiring
- 7.3.11. Sensors and Electronics
- 7.3.12. Lighting
- 7.3.13. Fuel Systems and Exhaust
- 7.3.14. Others

8. BY VEHICLE TYPE

- 8.1. Introduction
 - 8.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Vehicle Type
 - 8.1.2. Market Attractiveness Index, By Vehicle Type
- 8.2. Passenger Vehicle*
 - 8.2.1. Introduction
 - 8.2.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 8.3. Commercial Vehicle
- 8.4. Off-Highway Vehicle
- 8.5. Two Wheelers
- 8.6. Three Wheelers

9. BY TESTING AGENCY

- 9.1. Introduction
 - 9.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Agency
 - 9.1.2. Market Attractiveness Index, By Testing Agency
- 9.2. TIC Service Provider*
 - 9.2.1. Introduction
 - 9.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 9.3. Government Agency
- 9.4. Inhouse Testing or Captive Testing
- 9.5. Others

10. BY PROJECT TYPE

10.1. Introduction

10.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Project Type

10.1.2. Market Attractiveness Index, By Project Type

10.2. Project Based*

10.2.1. Introduction

10.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

10.3. Annual Maintenance Contract

10.4. One Off Analysis or Walk in Analysis

10.5. Others

11. BY REGION

11.1. Introduction

11.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Region

11.1.2. Market Attractiveness Index, By Region

11.2. North America

11.2.1. Introduction

11.2.2. Key Region-Specific Dynamics

11.2.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Type

11.2.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application Area

11.2.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Vehicle Type

11.2.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Agency

11.2.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Project Type

11.2.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

11.2.8.1. US

11.2.8.2. Canada

11.2.8.3. Mexico

11.3. Europe

11.3.1. Introduction

11.3.2. Key Region-Specific Dynamics

11.3.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Type

11.3.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application Area

11.3.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Vehicle Type

11.3.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Agency

11.3.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Project Type

11.3.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

11.3.8.1. Germany

11.3.8.2. UK

- 11.3.8.3. France
- 11.3.8.4. Russia
- 11.3.8.5. Spain
- 11.3.8.6. Italy
- 11.3.8.7. Norway
- 11.3.8.8. Netherlands
- 11.3.8.9. Sweden
- 11.3.8.10. Denmark
- 11.3.8.11. Belgium
- 11.3.8.12. Switzerland
- 11.3.8.13. Austria
- 11.3.8.14. Poland
- 11.3.8.15. Finland
- 11.3.8.16. Rest of Europe
- 11.4. Latin America
 - 11.4.1. Introduction
 - 11.4.2. Key Region-Specific Dynamics
 - 11.4.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Type
 - 11.4.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application Area
 - 11.4.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Vehicle Type
 - 11.4.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Agency
 - 11.4.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Project Type
 - 11.4.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
 - 11.4.8.1. Brazil
 - 11.4.8.2. Argentina
 - 11.4.8.3. Rest of Latin America
- 11.5. Asia-Pacific
 - 11.5.1. Introduction
 - 11.5.2. Key Region-Specific Dynamics
 - 11.5.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Type
 - 11.5.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application Area
 - 11.5.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Vehicle Type
 - 11.5.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Agency
 - 11.5.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Project Type
 - 11.5.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
 - 11.5.8.1. China
 - 11.5.8.2. India
 - 11.5.8.3. Japan
 - 11.5.8.4. Australia

- 11.5.8.5. South Korea
- 11.5.8.6. New Zealand
- 11.5.8.7. Indonesia
- 11.5.8.8. Malaysia
- 11.5.8.9. Philippines
- 11.5.8.10. Singapore
- 11.5.8.11. Thailand
- 11.5.8.12. Vietnam
- 11.5.8.13. Rest of Asia-Pacific
- 11.6. Middle East and Africa
 - 11.6.1. Introduction
 - 11.6.2. Key Region-Specific Dynamics
 - 11.6.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Type
 - 11.6.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application Area
 - 11.6.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Vehicle Type
 - 11.6.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Testing Agency
 - 11.6.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Project Type
 - 11.6.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
 - 11.6.8.1. UAE
 - 11.6.8.2. Saudi Arabia
 - 11.6.8.3. South Africa
 - 11.6.8.4. Israel
 - 11.6.8.5. Egypt
 - 11.6.8.6. Turkey
 - 11.6.8.7. Qatar
 - 11.6.8.8. Kuwait
 - 11.6.8.9. Oman
 - 11.6.8.10. Bahrain
 - 11.6.8.11. Rest of Middle East and Africa

12. COMPETITIVE LANDSCAPE

- 12.1. Competitive Scenario
- 12.2. Market Share Analysis – Global
- 12.3. Market Share Analysis – North America
- 12.4. Market Share Analysis - Europe
- 12.5. Market Share Analysis – Asia-Pacific
- 12.6. Mergers and Acquisitions Analysis
- 12.7. Partner Identification Analysis

- 12.8. Investment & Funding Landscape
- 12.9. Strategic Alliances & Innovation Pipeline

13. COMPANY PROFILES

- 13.1. SGS*
 - 13.1.1. Company Overview
 - 13.1.2. Product Portfolio and Description
 - 13.1.3. Revenue Analysis
 - 13.1.4. Pricing Analysis
 - 13.1.5. SWOT Analysis
 - 13.1.6. Recent Developments
 - 13.1.6.1. Major Deals
 - 13.1.6.2. M&A
 - 13.1.6.3. Collaboration
 - 13.1.6.4. Acquisition
 - 13.1.6.5. Joint Ventures
 - 13.1.6.6. Innovations
 - 13.1.7. Recent News
 - 13.1.7.1. Events
 - 13.1.7.2. Conferences
 - 13.1.7.3. Symposiums
 - 13.1.7.4. Webinars
- 13.2. Bureau Veritas
- 13.3. TÜV SÜD
- 13.4. DEKRA
- 13.5. TÜV Rheinland
- 13.6. Intertek
- 13.7. Underwriters Laboratories
- 13.8. TÜV NORD
- 13.9. Automotive Research Association of India
- 13.10. Atharva Labs (LIST NOT EXHAUSTIVE)

14. APPENDIX

- 14.1. About Us and Services
- 14.2. Contact Us

I would like to order

Product name: Automotive Material and Component Testing Market - 2025-2033

Product link: <https://marketpublishers.com/r/AE58FC4E1219EN.html>

Price: US\$ 2,999.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AE58FC4E1219EN.html>