



# The Failure Analysis market is estimated to reach \$ 8,291.30 M by 2023

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*Americas is expected to reach a revenue of \$2.7 Billion by 2023 with a CAGR of 6.8%*

HYDERABAD, TELANGANA, INDIA, August 20, 2018 /EINPresswire.com/ -- According to the new market research report by IndustryARC titled "[Failure Analysis Market: By Test \(NDT, Weld Testing, Fractography, EDS, Others\); By Technique \(Sneak Circuit Analysis, FTA, FMEA, Others\); By Technology \(Board ion milling, Focused ion milling, Relative ion etching\); By Product \(Dual Beam Systems, ION Beam, Others\); By Application \(Oil & Gas, Aerospace, Automotive, Others\); By Region - Forecast \(2018-2023\)](#)", the market is driven by the increasing demand of the failure analysis of equipment in wireless communication and electronics manufacturing industries.

Americas to dominate the Failure Analysis Market during the forecast period:

Americas is expected to have the highest growth in the Failure Analysis Market due to the increased use of failure analysis methods across the oil and gas industries and shale oil refineries. The region is expected to reach a revenue of \$2.7 Billion by 2023 with a CAGR of 6.8%. Focus on improved quality testing of products in the South American market will lead to a high growth due to the increased adoption of equipment and NDT. The growing healthcare sector in the region also requires improved quality assurance of medical equipment owing to the strict laws that govern the use of the equipment.

In Asia Pacific, the growing regulations regarding the safety of the equipment in medical, beverage, food, and oil & gas industries drives the growth of the failure analysis equipment in the region.

Selected Analysis done in the full Report:

In the oil and gas industry, failure analysis helps to find the cause of failures and helps to improve the performance of the product or components associated, thereby reducing the future occurrences of failures. Various failure and damage analysis services across the oil and gas industries include material assessment, corrosion investigation and mitigation, where investigation is due to the damage caused by fire, fractography, etc. The technical failure analysis services include forensic engineering, pipeline failure assessment, stress analysis and trace evidence analysis.

Ageing, Mechanical failures, Corrosion, stress, welding defects, pressure surge problems, and wall thickness are the main factors responsible for failures across oil and gas industries. These factors drive the demand for the failure modes effect analysis.

To access/purchase the full report, click the link below:

<https://industryarc.com/Report/15040/failure-analysis-market.html>

Excerpts on Market Growth Factors:

Growth of the Biosciences industry drives the demand for the fault tree analysis during the forecast period.

Increase in the maintenance and service cost for the equipment in the manufacturing sector enhances the growth of common mode failure analysis.

Quality and product differentiation at early stages of the value chain are the factors responsible for sustainable manufacturing.

Talk to one of our sales representatives about the full report by providing your details in the link below:

<https://industryarc.com/support.php?id=15040>

Key players of the Failure Analysis Market:

The key players of the Failure Analysis Market are Thermofisher, FEI Company, and Carl Zeiss SMT GmbH. Thermofisher Scientific is the global leading company that accelerates life sciences research, solves complex analytical challenges, and improves laboratory productivity. FEI Company provides new products that enhances the advance process control, root cause failure analysis for changing the device functionality. Carl Zeiss SMT GmbH has launched ZEISS MeRiT neXT system for repairing the next generation defects.

Failure Analysis Market report is segmented as below:

Growing demand from the electronics manufacturing industry drives the growth of the Failure Analysis Market.

#### A. Failure Analysis Market - By Product

1. Transmission Electron Microscope
2. Focused ion beam Systems
3. Scanning Electron Microscopy
4. Dual Beam Systems
5. Others

#### B. Failure Analysis Market - By Test

Contaminated Analysis  
Corrosion Investigation  
Fractography  
Metallography  
Mechanical Testing  
Chemical Analysis and Testing  
NDT  
Weld Testing  
Microstructure Evaluation  
Adhesive Identification  
Coating Contamination  
Thermal Mapping  
Electrical Overstress (EOS)/Electrostatic Discharge (EDS)  
Regulatory Compliance Testing  
Others

#### C. Failure Analysis Market – By Techniques

1. Destructive Physical Analysis
2. Physics of Failure Analysis
3. Fault Tree Analysis(FTA)
4. Common-Mode Failure Analysis
5. Failure Modes Effect Analysis(FMEA)
  - 5.1 Failure Modes, Effects and Criticality Analysis (FMECA)
  - 5.2 Functional Failure Analysis

6. Sneak Circuit Analysis
7. Software Failure Analysis
8. Others

#### D. Failure Analysis Market – By Technology

1. Broad ion milling
2. Focused ion milling
3. Relative ion etching
4. Secondary ion mass spectroscopy
5. Energy dispersive X-Ray Spectroscopy

#### E. Failure Analysis Market – By Application

1. Bio Science
  - 1.1 Cellular Biology
  - 1.2 Neuroscience
  - 1.3 Bio Medical
  - 1.4 Others
2. Electronics
  - 2.1. Semiconductors
  - 2.2. Others
3. Renewable Energy
  - 3.1. Solar
  - 3.2. Wind
4. Agriculture
  - 4.1. Machinery & Tools
5. Oil and Gas
  - 5.1. Machinery & Tools
6. Commercial Aerospace
7. Defense
  - 7.1. Marine
  - 7.2. Aerospace
  - 7.3. Ground
8. Automotive
  - 8.1. Automotive Materials Testing
  - 8.2. Automotive Plastics and Polymers Physical Testing
  - 8.3. Automotive Exterior Testing and Expertise
  - 8.4. Automotive Interior Testing and Expertise
9. Construction
  - 9.1 Chemical and Pharmaceutical
  - 9.2 Healthcare Equipment
  - 9.3 Food & Beverage
  - 9.4 Mining
  - 9.5 Polymer
  - 9.6 Paper & Fiber material.
  - 9.7 Ceramic & Glass
  - 9.8 Nanofabrication

## 9.9 Others

F. Failure Analysis Market By Geography (14+ countries)

G. Failure Analysis Market By Entropy

Companies Cited/Interviewed

1. Motion X Corporation
2. Eag (Evans Analytical Group) Inc
3. SMT GmbH
4. JEOL Ltd.
5. A&D Company Ltd
6. Intertek Group Plc
7. Thermo Fisher Scientific Inc
8. Hitachi High-Technologies
9. RJ Lee Group, Inc
10. Carl Zeiss Smt GmbH
11. FEI Company
12. Company 12
13. Company 13
14. Company 14 +

Related Report:

A. Multiple Ion Beam Microscopes Market

<https://industryarc.com/Report/17023/multiple-ion-beam-microscopes-market.html>

B. Testing, Inspection & Certification Market

<https://industryarc.com/Report/15033/testing-inspection-certification-market.html>

What can you expect from the report?

The Failure Analysis Market Report is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories & Application
2. Market trends & Relevant Market Data
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis (Revenue & Volume)
12. Country level Analysis
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis
19. Opportunity Analysis
20. Revenue and Volume Analysis

Frequently Asked Questions:

Q. Does IndustryARC publish country or application based reports in Failure Analysis segment?  
Response: Yes, we do have separate reports as mentioned below:

1. America Failure Analysis Market (2018-2023)

2. Europe Failure Analysis Market (2018-2023)
3. Middle East Failure Analysis Market (2018-2023)
4. Asia Pacific Failure Analysis Market (2018-2023)
5. By Product Asia Pacific Failure Analysis Market (2018-2023)
6. By Test Asia Pacific Failure Analysis Market (2018-2023)
7. By Technique Asia Pacific Failure Analysis Market (2018-2023)
8. By Technology Asia Pacific Failure Analysis Market (2018-2023)
9. By Application Asia Pacific Failure Analysis Market (2018-2023)

Q. Does IndustryARC provide customized reports and charge additionally for limited customization?

Response: Yes, we can customize the report by extracting data from our database of reports and annual subscription databases. We can provide the following free customization:

1. Increase the level of data in application or end user industry.
2. Increase the number of countries in geography chapter.
3. Find out market shares for other smaller companies or companies which are of interest to you.
4. Company profiles can be requested based on your interest.
5. Patent analysis, pricing, product analysis, product benchmarking, value and supply chain analysis can be requested for a country or end use segment.

Any other custom requirements can be discussed with our team, drop an e-mail to [sales@industryarc.com](mailto:sales@industryarc.com) to discuss more about our consulting services.

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