

# Failure Analysis Market Report 2021-26: Industry Size, Share, Growth, Opportunity and Forecast

SHERIDAN, WY, UNITED STATES,  
December 6, 2021 /EINPresswire.com/  
-- According to the latest report by  
IMARC Group "[Failure Analysis Market  
Size](#) : Global Industry Trends, Share,  
Size, Growth, Opportunity and Forecast  
2021-2026", the global failure analysis  
market is expected to grow at a CAGR  
of around 8% during the forecast  
period.



Failure Analysis Market

Failure analysis refers to the process of gathering and analyzing data to determine the cause of a particular failure and ascertain corrective actions or liabilities. It involves the systematic examination of a piece of equipment to analyze the chemical, physical, and mechanical causes of a particular failure. Failure analysis techniques include Secondary Ion Mass Spectrometry (SIMS), [Energy Dispersive X-Ray Spectroscopy \(EDX\)](#), Broad Ion [Milling \(BIM\)](#), Focused Ion Beam (FIB), etc. They aid in understanding the root causes of the failure, preventing or reducing financial losses, improving future products and processes, etc. Failure analysis finds extensive applications across numerous industries, including defense, automotive, oil and gas, construction, etc.

We are regularly tracking the direct effect of COVID-19 on the market, along with the indirect influence of associated industries. These observations will be integrated into the report.

## Failure Analysis Market Trends:

The expanding manufacturing industry and the elevating industrialization levels across the globe are among the key factors driving the failure analysis market. Furthermore, the widespread adoption of these techniques in material science applications, especially in optical and scanning electron microscopes, which are used in the mineralogical and structural analysis of materials, is also catalyzing the market growth. In addition to this, the development of focused ion beam systems to examine biological samples and biomaterials is acting as another significant growth-

inducing factor. Moreover, the increasing requirement for failure analysis among automobile manufacturers, who are also employing vision and AI-based analysis tools for performance analysis, vehicle dynamic studies, accident reconstruction, etc., is augmenting the global market. Besides this, the inflating investments in the nanotechnology sector are anticipated to fuel the failure analysis market over the forecasted period.

Report Metric

Historical: 2015-2020

Base Year: 2020

Forecast Year: 2021-2026

Get a PDF Sample for more detailed market insights: <https://www.imarcgroup.com/failure-analysis-market/requestsampl>

Global Failure Analysis Market Coverage and Segmentation 2021-2026:

Competitive Landscape:

The competitive landscape of the market has been studied in the report with the detailed profiles of the key players operating in the market.

Some of these key players include:

A&D Company Ltd.  
Bruker Corporation  
Carl Zeiss AG (Carl-Zeiss-Stiftung)  
Hitachi High-Technologies Corporation (Hitachi Ltd.)  
Horiba Ltd.  
Intertek Group PLC  
JEOL Ltd.  
Motion X Corporation  
Tescan Orsay Holding A.S.  
Thermo Fisher Scientific Inc.

The report has segmented the market on the basis on region, equipment, technology and end use industry.

Breakup by Equipment:

Scanning Electron Microscope (SEM)

Focused Ion Beam (FIB) System  
Transmission Electron Microscope (TEM)  
Dual Beam System  
Others

Breakup by Technology:

Energy Dispersive X-Ray Spectroscopy (EDX)  
Secondary Ion Mass Spectrometry (SIMS)  
Focused Ion Beam (FIB)  
Broad Ion Milling (BIM)  
Relative Ion Etching (RIE)  
Scanning Probe Microscopy (SPM)  
Others

Breakup by End Use Industry:

Automotive  
Oil and Gas  
Defense  
Construction  
Manufacturing  
Others

Breakup by Region:

North America: (United States, Canada)  
Asia Pacific: (China, Japan, India, South Korea, Australia, Indonesia, Others)  
Europe: (Germany, France, United Kingdom, Italy, Spain, Russia, Others)  
Latin America: (Brazil, Mexico, Others)  
Middle East and Africa

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If you want latest primary and secondary data (2021-2026) with Cost Module, Business Strategy, Distribution Channel, etc. Click request free sample report, published report will be delivered to you in PDF format via email within 24 to 48 hours of receiving full payment.

Key highlights of the report:

Market Performance (2015-2020)  
Market Outlook (2021- 2026)

Porter's Five Forces Analysis  
Market Drivers and Success Factors  
SWOT Analysis  
Value Chain  
Comprehensive Mapping of the Competitive Landscape

If you need specific information that is not currently within the scope of the report, we can provide it to you as a part of the customization.

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