

# Global Solder Joint Failure Analysis Service Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Solder Joint Failure Analysis Service market size was valued at US\$ 432 million in 2025 and is forecast to a readjusted size of US\$ 609 million by 2032 with a CAGR of 5.0% during review period.

Solder Joint Failure Analysis Service is a specialized electronic failure-analysis service used to identify the root causes of solder joint defects in PCB assemblies, semiconductor packages, connectors, modules, and electronic components. It typically combines visual inspection, X-ray/3D CT, cross-sectioning, SEM/EDS, dye-and-pry, shear/pull testing, thermal cycling review, and process history analysis to determine whether failures are caused by voids, cracks, non-wetting, brittle intermetallics, contamination, fatigue, thermal stress, poor reflow profile, design issues, or material incompatibility.

The industry is growing with higher electronics reliability requirements in automotive electronics, aerospace, medical devices, 5G/AI hardware, power electronics, and advanced semiconductor packaging, where smaller solder joints, BGA/CSP packages, lead-free alloys, and harsh operating environments increase the need for professional failure analysis. Opportunities come from demand for root-cause analysis, supplier quality audits, litigation support, reliability validation, and process optimization, while challenges include expensive analytical equipment, shortage of experienced failure-analysis engineers, long turnaround requirements, destructive testing limitations, and difficulty separating design, material, process, and field-use causes.

This report is a detailed and comprehensive analysis for global Solder Joint Failure Analysis Service market. Both quantitative and qualitative analyses are presented by

company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Solder Joint Failure Analysis Service market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Solder Joint Failure Analysis Service market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Solder Joint Failure Analysis Service market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Solder Joint Failure Analysis Service market shares of main players, in revenue (\$ Million), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Solder Joint Failure Analysis Service

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Solder Joint Failure Analysis Service market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Eurofins EAG Laboratories, SGS, Intertek, T?V S?D, Element Materials Technology, UL Solutions, Covalent Metrology, SAGE Analytical Lab, SEM Lab Inc., STI Electronics, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

## Market segmentation

Solder Joint Failure Analysis Service market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Non-Destructive Analysis

Destructive Physical Analysis

Others

### Market segment by Solder Joint Pitch

Large-Pitch Solder Joint Analysis: >1.00 mm

Medium-Pitch Solder Joint Analysis: 0.20?1.00 mm

Fine-Pitch Solder Joint Analysis:

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