## Report Information

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# Testing Inspection and Certification (TIC) Market Research Report- Global Forecast to 2032

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**Description:**

### Testing Inspection and Certification (TIC) Market Overview

The Testing Inspection and Certification (TIC) market size reached USD 56.8 billion in 2022. The Testing Inspection and Certification (TIC) market is anticipated to grow at a CAGR of 5.60% from 2023 to 2032, reaching USD 92.75 billion by the end of the forecast period. This growth is fueled by the rising demand for testing and certification services in the food and beverages, textile, and pharmaceutical industries are the key market drivers enhancing the market growth

Testing Inspection and Certification (TIC) Market Overview

Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review

### Testing Inspection and Certification (TIC) Market Trends

#### Increasing trade in counterfeit & defective pharmaceutical products is driving the market growth

Counterfeit and pirated goods are rising worldwide, impacting consumer electronics, medical devices, oil & gas, and aerospace industries. Counterfeit pharmaceuticals, in particular, pose a significant threat, with counterfeiters exploiting high-profit margins, weak penalties, and consumers' vulnerability to deception. The availability of substandard drugs underscores the need for robust quality control processes, including testing, inspection, and certification. This factor drives the market CAGR.

Rapid technological advancements are also reshaping various industries, including healthcare and electric vehicles (EVs). In healthcare, wearable devices like smartwatches enable early prediction and treatment of health issues, while precision medicine allows personalized treatment based on individual characteristics. In the EV sector, testing and certification services are crucial in ensuring battery performance, safety, and charging system interoperability. Additionally, technologies like IoT, computer vision, and machine learning have driven the development of differentiated products and services, increasing the demand for testing, inspection, and certification across the value chain. Thus, driving the Testing Inspection and Certification (TIC) market revenue.

### Testing Inspection and Certification (TIC) Market Segment Insights

#### Testing Inspection and Certification (TIC) Sourcing Type Insights

Based on Sourcing Type, the Testing Inspection and Certification (TIC) market segmentation include outsourcing in-house. The outsourcing segment dominated the market because outsourcing allows companies to access specialized expertise and resources that may not be available in-house. Organizations can benefit from their extensive knowledge and experience in conducting testing, inspection, and certification activities by partnering with external TIC providers. Secondly, outsourcing TIC services can help companies reduce costs and improve operational efficiency. Instead of investing in building and maintaining their own TIC infrastructure, outsourcing allows businesses to leverage the existing infrastructure of service providers, resulting in cost savings.

#### Testing Inspection and Certification (TIC) Service Type Insights

The Testing Inspection and Certification (TIC) market segmentation is based on service type and includes testing services, inspection services, and services of certification. The testing services segment dominated the market because testing is critical to ensuring product quality, safety, and compliance with regulatory standards. Companies across various industries rely on testing services to validate their products' performance, reliability, and safety. Testing services involve conducting rigorous tests and assessments to identify defects, weaknesses, or non-compliance issues.

**Testing Inspection and Certification (TIC) End Users Insights**

Based on end-user type, the Testing Inspection and Certification (TIC) market segmentation includes oil and gas, automotive, textile, aerospace, petroleum, and food. The oil and gas sector is renowned for its intricate and hazardous operations. These services involve testing materials, inspecting equipment and infrastructure, and certifying adherence to industry standards, guaranteeing integrity and safety in the sector.

**Testing Inspection and Certification (TIC) Application Insights**

Based on application type, the Testing Inspection and Certification (TIC) market segmentation includes commercial and industrial. The commercial segment dominated the market because commercial entities, including businesses and organizations across various industries, require TIC services to ensure compliance with regulations, maintain quality standards, and mitigate risks. Commercial enterprises seek testing, inspection, and certification services for their products, facilities, and operations to meet industry-specific requirements, demonstrate compliance with regulatory frameworks, and enhance consumer trust.

**Figure1: Testing Inspection and Certification (TIC) Market, by Application, 2022 & 2032 (USD billion)**

**Testing Inspection and Certification (TIC) Market, by Application, 2022 & 2032**

Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review

**Testing Inspection and Certification (TIC) Regional Insights**

By Region, the study provides market insights into North America, Europe, Asia-Pacific, and Rest of the World. The North American Testing Inspection and Certification (TIC) market will dominate this market due to factors such as the presence of the electronic sector, increased trade, and growth in the software, defense, and aviation industry. In addition, the growing number of established health clubs and fitness facilities will boost the market growth in this Region.

Further, the major countries studied in the market report are The U.S., Canada, German, France, the UK, Italy, Spain, China, Japan, India, Australia, South Korea, and Brazil.

**Figure2: TESTING INSPECTION AND CERTIFICATION (TIC) MARKET SHARE BY REGION 2022 (%)**

TESTING INSPECTION AND CERTIFICATION (TIC) MARKET SHARE BY REGION

Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review

EuropeTesting Inspection and Certification (TIC) market accounts for the second-largest market share due to the factors that contribute to the testing, inspection, and certification market are the presence of a high-tech automation division, extensive vehicle testing, and inspection services, automotive products availability, along the burgeoning automobile industry. Further, the GermanTesting Inspection and Certification (TIC) market witnessed the largest market share, and the UK Testing Inspection and Certification (TIC) market was the fastest-growing market in the European Region.

The Asia-Pacific Testing Inspection and Certification (TIC) Market is expected to grow fastest from 2023 to 2032. The growth of the Testing Inspection and Certification (TIC) market is fueled by rising demand for services and stringent government regulations to ensure health and security. Additionally, China dominates the TIC market with the largest market share, and the Indian Testing Inspection and Certification (TIC) market was the fastest-growing market in the Asia-Pacific region.

**Testing Inspection and Certification (TIC)KeyMarket Players& Competitive Insights**

Leading market players are investing heavily in research and development to expand their product lines, which will help the Testing Inspection and Certification (TIC) market grow even more. Market participants are also undertaking various strategic activities to expand their footprint, with important market developments including new product launches, contractual agreements, mergers and acquisitions, higher investments, and collaboration with other organizations. To expand and survive in a more competitive and rising market climate, Testing Inspection and Certification (TIC) industry must offer cost-effective items.

Manufacturing locally to minimize operational costs is one of the key business tactics manufacturers use in the Testing Inspection and Certification (TIC) industry to benefit clients and increase the market sector. The Testing Inspection and Certification (TIC) industry has offered some of the most significant advantages in recent years. Major players in the Testing Inspection and Certification (TIC) market, includingBureau Veritas SA (France), SGS Group (Switzerland), Dekra Certification GmbH (Germany), ALS Limited (Australia), Intertek Group plc (the U.K.) ASTM International (U.S.) SAI Limited (Australia) BSI Group (U.K.) UL LLC (U.S.) MISTRAS Group Inc. (U.S.)., and others are attempting to increase market demand by investing in research and development operations.

SGS is a company based in Geneva, Switzerland, specializing in inspection, verification, testing, and certification services. With a vast network of 97,000 employees and 2,650 offices and laboratories worldwide, SGS has established itself as a leader in its industry. It has been recognized by Forbes 2000 multiple times, including in 2015, 2016, 2017, 2020, and 2021. SGS has recently partnered with the Fairness, Integrity, Safety, And Health (FISH) Standard for Crew (US) to provide a credible third-party certification scheme for labor practices in the wild-capture fisheries sector. As part of this collaboration, SGS has awarded FISH certification to Phoenix Processors Limited Partnership (PPLP) for two of their processor's vessels, M/V Excellence and M/V Phoenix.

UL is a renowned safety science company headquartered in Northbrook, Illinois. It consists of three entities: UL Research Institutes, UL Standards & Engagement, and UL Solutions. One of the notable initiatives by UL Solutions is the SPIRE Qualification Program, designed to cater to the growing need for smart building assessment and verification. This program allows certified third-party assessors to conduct SPIRE Smart Building Assessments and tap into the expertise of UL Solutions' smart building specialists.

**Key Companies in the Testing Inspection and Certification (TIC) market include**

- GBureau Veritas SA (France)
- SGS Group (Switzerland)
- Dekra Certification GmbH (Germany)
- ALS Limited (Australia)
- Intertek Group plc. (the U.K.)
- ASTM International (U.S.)
- SAI Limited (Australia)
- BSI Group (U.K.)
- UL LLC (U.S.)
- MISTRAS Group, Inc. (U.S.)

**Testing Inspection and Certification (TIC) Industry Developments**

**December 2022:** UL Solutions launched the SPIRE Qualification Program to meet the smart building assessment and verification demand. UL Solutions' SPIRE Qualification Program enables qualified third-party assessors to conduct SPIRE Smart Building Assessments and gain insights from UL Solutions smart building experts.

**November 2022:** TÜV Rheinland has developed a test standard (2 PfG 2796/02.22) specifically certifying solar modules installed in distinctive buildings worldwide.

**September 2022:** SGS S.A., a leader in inspection, testing, and certification services, has successfully acquired Penumbra Security, Inc. This strategic acquisition strengthens SGS's cybersecurity offerings and extends its presence in the United States. Penumbra Security, Inc. is renowned for its expertise in information security conformance testing and regulatory compliance services for multinational corporations.

**Testing Inspection and Certification (TIC) Market Segmentation**

**Testing Inspection and Certification (TIC) Sourcing Type Outlook**

- Outsourcing
-

In-house

**Testing Inspection and Certification (TIC) Service Type Outlook**

- Testing services
- Inspection services
- Services of certification

**Testing Inspection and Certification (TIC) End Users Outlook**

- Oil and gas
- Automotive
- Textile
- Aerospace
- Petroleum
- Food

**Testing Inspection and Certification (TIC) Application Outlook**

- Commercial
- Industrial

**Testing Inspection and Certification (TIC) Regional Outlook**

- North America
  - US
  - Canada
- Europe
  - Germany
  - France

- UK
- Italy
- Spain
- Rest of Europe

- Asia-Pacific
  - China
  - Japan
  - India
  - Australia
  - South Korea
  - Australia
  - Rest of Asia-Pacific

- Rest of the World
  - Middle East
  - Africa
  - Latin America

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