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Forensics Technology Market Forecasts to 2032 – Global Analysis By Type (Digital Forensics, Forensic Equipment, Biometrics Technology and Other Types), Crime Type, Deployment Type, Technology, Application, End User and By Geography

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Abstracts

According to Stratistics MRC, the Global Forensics Technology Market is accounted for $6.65 billion in 2025 and is expected to reach $13.73 billion by 2032 growing at a CAGR of 10.9% during the forecast period. Forensics technology is the application of advanced tools and techniques in criminal investigations to collect, analyze, and preserve digital and physical evidence. This field combines science, law, and technology to uncover crucial information from various sources, including computers, mobile devices, networks, and other electronic systems. Forensic experts utilize specialized software and hardware to recover data, identify digital footprints, and support legal proceedings. It plays a vital role in solving crimes, ensuring justice, and safeguarding the integrity of evidence for court use. Forensics technology is essential in modern investigative processes.

According to the last study conducted by the United Nations Office on Drugs and Crime (UNODC) in 2017, the mean of intentional homicide was recorded to be 6.1 per 100,000 people globally. In addition, among all regions, the U.S. ranked first for intentional homicide followed by Africa and Asia.

Market Dynamics:

Driver:

Increasing demand for digital forensics

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The increasing demand for digital forensics in the market is driven by the growing reliance on digital devices and the rise in cybercrimes. With businesses, governments, and individuals facing cyber threats, there is a heightened need for advanced tools to investigate and resolve digital crimes. This surge in demand is fostering innovation in digital forensic technologies, helping investigators efficiently uncover and analyze digital evidence, ensuring data integrity and supporting legal proceedings.

Restraint:

Challenges with data interpretation

Challenges with data interpretation in the market can have significant negative effects, leading to inaccurate conclusions and compromised investigations. The complexity of analyzing large volumes of digital data often results in errors or overlooked evidence, undermining the integrity of legal proceedings. These issues can delay case resolutions, increase costs, and potentially lead to wrongful decisions. As a result, forensic experts must continuously improve techniques to ensure accuracy and reliability in data interpretation.

Opportunity:

Growing applications in civil and corporate investigations

The growing applications of forensics technology in civil and corporate investigations are significantly boosting market demand. As organizations face an increasing need to address fraud, intellectual property theft, and internal misconduct, digital forensics plays a crucial role in uncovering vital evidence. This trend is driving the adoption of advanced forensic tools for data recovery, analysis, and compliance, helping businesses safeguard their assets, ensure regulatory adherence, and maintain operational integrity in a complex digital landscape.

Threat:

High implementation costs

High implementation costs in the market can limit accessibility and adoption, especially for smaller organizations and law enforcement agencies with budget constraints. The expensive infrastructure, software, and training required to deploy advanced forensic

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tools can delay the integration of cutting-edge technologies. These high costs may also divert resources from other critical areas, hindering the overall effectiveness of forensic investigations and slowing down advancements in the field.

Covid-19 Impact:

The COVID-19 pandemic significantly impacted the market, accelerating the adoption of digital forensics tools due to the increase in cybercrime and online fraud during lockdowns. The need for remote investigations and contactless technologies also spurred innovation in virtual forensic solutions. However, disruptions in supply chains and project delays initially hindered growth. Over time, the market adapted, witnessing a surge in demand for advanced analytics, AI, and cloud-based forensics platforms as remote work and digital evidence collection became more prevalent.

The digital forensics segment is expected to be the largest during the forecast period

The digital forensics segment is expected to account for the largest market share during the forecast period driven by the rising prevalence of cybercrime. It involves the identification, preservation, and analysis of electronic data to uncover criminal activity. With advancements in AI, machine learning, and cloud computing, digital forensics tools have evolved to handle complex data types and vast volumes of information. This sector continues to expand as cyber threats increase, requiring more sophisticated solutions for law enforcement and security agencies.

The toxicology segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the toxicology segment is predicted to witness the highest growth rate. It aids in criminal investigations by identifying toxins, drugs, or alcohol in cases of poisoning, overdose, or suspicious deaths. Advancements in analytical technologies like mass spectrometry and chromatography have improved accuracy and efficiency. As the demand for precise toxicological analysis grows, especially in drug-related crimes, this sector continues to innovate, offering more reliable and rapid testing methods for forensic experts.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share driven by increasing crime rates, advancements in technology. Countries like

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India, China, and Japan are investing heavily in digital forensics, crime scene investigation tools, and toxicology analysis. The rise of cybercrime and the need for enhanced security are accelerating adoption of AI, machine learning, and automated forensic systems. Government initiatives and growing law enforcement budgets further fuel the expansion of the market in this region.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR. Increasing criminal activities and a growing focus on law enforcement agencies to solve cases efficiently are pushing the demand for advanced forensic technologies. Continuous innovations in DNA analysis, digital forensics, biometric systems, and advanced imaging are contributing to market growth. Significant investments in law enforcement and public safety technologies from both federal and state governments are supporting the growth of the market in the region.

Key players in the market

Some of the key players in Forensics Technology Market include Sierra Forensics, ZyLAB, Magnet Forensics, Passware, Oxygen Forensics, Promega Corporation, L-3 Communications, Axiom Cyber Solutions, Rapiscan Systems, Agilent Technologies, Pyramidal Technologies Ltd , GE Healthcare, Eurofins Medigenomix GmbH, Thermo Fisher Scientific, Inc. and LGC Forensics.

Key Developments:

In March 2025, GE HealthCare announced a collaboration with NVIDIA at GTC 2025, expanding the existing relationship between the two companies to focus on pioneering innovation in autonomous imaging, beginning with autonomous X-ray technologies and autonomous applications within ultrasound.

In February 2025, PowerPlex® 35GY System, the first 8-color STR analysis chemistry, has been approved by the FBI for use in the National DNA Index System (NDIS). This approval indicates that the kit meets the FBI’s rigorous Quality Assurance Standards (QAS) and is suitable for generating profiles eligible for inclusion in the national database..

Types Covered:

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- Digital Forensics
- Forensic Equipment
- Biometrics Technology
- Other Types

Crime Types Covered:

- Cybercrime
- Financial Crime
- Terrorism and National Security
- Other Crime Types

Deployment Types Covered:

- On-Premises
- Cloud-Based

Technologies Covered:

- DNA Analysis
- Fingerprint Analysis
- Digital Forensics
- Trace Evidence Analysis
- Toxicology

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- Biometrics
- Other Technologies

Applications Covered:

- Criminal Investigations
- Civil Investigations
- Insurance Investigations
- Corporate Investigations
- Counterterrorism
- Other Applications

End Users Covered:

- Law Enforcement Agencies
- Government Agencies
- Private Forensic Laboratories
- Insurance Companies
- Corporations
- Other End Users

Regions Covered:

- North America

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- US
- Canada
- Mexico

Europe

- Germany
- UK
- Italy
- France
- Spain
- Rest of Europe

Asia Pacific

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

South America

- Argentina

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Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

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Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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