Forensic Technologies and Services - Global Strategic Business Report

Description:
This report analyzes the US market for Forensic Technologies and Services in US$ Million by the following segments: Forensic Databases, Forensic Consulting and Computer Forensics, Biometrics/Fingerprinting, DNA Testing, and Others.

Annual estimates and forecasts are provided for the period 2013 through 2020. Also, a seven-year historic analysis is provided for this market. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 137 companies including many key and niche players such as:

- ACR Data Recovery, Inc.
- Agilent Technologies
- BAE Systems Plc
- Capsicum Group, LLC
- Computer Forensics, Inc.

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   Testing Quality in Laboratories Raises Eyebrows
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   All Eyes on Forensic Consulting Services
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Operational Structure
Spotlight on Accreditation
Challenges Confronted by Forensic Labs
Practice of Forensic Science Attracts Widespread Criticism
Insufficient Funding Hampers Operations of Crime Labs
A Review of Select Technologies Applied in Forensic Investigation
High-Speed Cameras for Ballistics Photography
Panoramic 3D Cameras
Alternative Light Photography
Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS)
Video Spectral Comparator
3D Forensic Facial Reconstruction
DNA Sequencer
Forensic Carbon-14 Dating
XFT Device - Digital Surveillance for Xbox
Link Analysis Software for Forensic Accountants
Magnetic Fingerprinting & Automated Fingerprint Identification System (AIFS)
Notable Recent R&D Initiatives
Human Microbiome
Innovative Spectroscopy Technique Promises Effective Cloth Fiber Identification
Use of Raman Spectroscopy for Effective Evidence Processing
Nanoparticles: Treasure Trove of Forensic Information
New Technique for Human Hair Identification Promises Faster Processing
Sequence Specific Label Free Cost Effective DNA Sensors Promise to Lower Costs of DNA Analysis
Innovative New Device Drastically Speeds Up Human DNA Extraction
Fluorescent Fingerprint Tag to Enhance Latent Print Collection & Identification

2. TECHNOLOGY OVERVIEW

Forensic Science: A Primer
History
Role of Automated ID Systems
Types of Forensic Analysis
Firearms and Weapon Marks Identification
Toolmark Analysis
Latent Print Analysis
Questioned Document Examination (QDE)
Chemical Analysis/Toxicology
Trace Evidence Analysis
Explosive Analysis
Overview of Forensic Technologies & Services
Computer Forensics
Hardware Imaging Tool
Authentication Software Tool
Decryption Tool
Disk Data Editing and Searching Tool
Daily Audit Log File Tool
Other Tools
Process of Computer Forensics
History
Forensic Data Abstractions
Challenges Faced by Forensic Investigators
Acquisition of Evidentiary Data
‘Cracking’ the Password
Processing of Forensic Evidence
Forensic Databases
Combined DNA Index System (CODIS)
The NSA Call Database
TALON
Guardian Database
Fusion Center
Integrated Automated Fingerprint Identification System IAFIS
Biometrics/Fingerprinting

Fingerprinting: The Most Widely Used Biometrics Technology
Automated Fingerprint Identification Systems (AFIS)
How It Works?
Fingerprint Imaging Technology
Optical Technology
Capacitive Technology
Form Factor
Forensic DNA Testing & Analysis
DNA Profiling: A Key Forensic Tool
Identity/Forensics
Popular DNA Analysis Techniques: A Review
Polymerase Chain Reaction (PCR)
Miniaturization Creates a Revolution in DNA Analysis
Gene Chip Technology
DNA Chips
Chromosome Painting Probes
Other Technologies/Products
Forensic Biology and Serology
Forensic Analytical Instruments
Immunoassays Tests

3. PRODUCT INTRODUCTION/INNOVATIONS
Foster + Freeman Introduces Innovative IR Powder for Fingerprint Detection
DNA Technologies and Gemprint® Corp Introduce Forensic Mine Source Veritas®
Life Technologies Introduces GlobalFiler™ and GlobalFiler™ Express DNA Kits
Sorenson Forensics Introduces LEAD Database
BlackBag Technologies Launches iPad, Mac OS X, and iPhone Forensics Tool
BlackBag Technologies Launches BlackLight™ 2012 R2 Forensics Software
Rimkus Launches Electronic Document Processing and Social Media Discovery Services
BlackBag Technologies Launches BlackLight™ 2012 R1 Forensics Analysis Tool
BlackBag Technologies Launches MacQuisition 2012.R1 Forensic Imaging Solution

4. RECENT INDUSTRY ACTIVITY
Ultra Electronics Agrees to Acquire Forensic Technology
FireEye Set to Acquire nPulse Technologies
FARO Technologies Concludes The CAD Zone Acquisition
Forensic Technology Secures US Government Contract for NIBIN Program
Life Technologies Opens First of its Kind Forensic Lab Private Sector
TELUS Security Solutions Takes Over Digital WYZDOM Forensics and Digital WYZDOM
Rimkus Consulting Group Establishes Office in Utah
eDirect Impact Merges with Elijah
Agilent Technologies Inks Agreement with ChemImage
IVG Group Inks Agreement with ChemImage
Catalyst Repository Systems Enters into Collaboration with Florida International University
Stout Risius Ross Merges with HBFE
American International Biotechnology and Fairfax Identity Laboratories Acquire Mitotyping Technologies
Document Technologies Acquires Data Forté
Bode Technology Group Takes Over Chromosomal Laboratories
Ricoh Americas Takes Over HSSK Forensics
Donan Engineering Opens Offices in Tulsa and Oklahoma City
Orange Legal Technologies Enter into Agreement with Barringer Document Services
PA Consulting Takes Over 7Safe
StoneTurn and BlackStone Discovery Enter into Strategic Alliance
Construction Control Acquires Kleinfeldt Consultants
Strategic Valuation Group Merges with HBK Valuation Group
Applied DNA Sciences Inks MoU with The Small Scale Systems Integration and Packaging Center
Forensics Consulting Solutions and Quick & Confidential Enter into Strategic Partnership
Privacy-Assured Selects FDR as Authorized Reseller
FDR Forensic Data Recovery Collaborates with FireEye
DFLabs Selects FDR as Authorized Reseller
BlackBag Technologies Selects FDR as Authorized Reseller

5. FOCUS ON SELECT PLAYERS
ACR Data Recovery, Inc. (USA)
Agilent Technologies (USA)
BAE Systems Plc (United Kingdom)
Capsicum Group, LLC (USA)
Computer Forensics, Inc. (Canada)
Creative Forensic Services (USA)
Cyber Agents, Inc. (USA)
Forensics Consulting Solutions, LLC (USA)
Forensic Pathways Ltd. (UK)
Foster + Freeman Ltd. (United Kingdom)
Global Digital Forensics, Inc. (USA)
Horiba, Ltd. (Japan)
Leica Geosystems AG (Switzerland)
MorphoTrust USA, Inc. (USA)
Neogen Corporation (USA)
Orchid Cellmark, Inc. (USA)
PAPILLON ZAO (Russia)
Pyramidal Technologies Ltd. (Barbados)
SBC Co., Ltd. (Russia)
ScannBI Technology Europe GmbH (Germany)
Thermo Fisher Scientific, Inc. (USA)
Tri-Tech Forensics, Inc. (USA)

6. MARKET PERSPECTIVE
Table 3: US Recent Past, Current & Future Analysis for Forensic Technologies & Services by Segment - Forensic Databases, Forensic Consulting and Computer Forensics, Biometrics/ Fingerprinting, DNA Testing and Others Markets Independently Analyzed with Annual Revenues in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
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Table 5: US 15-Year Perspective for Forensic Technologies & Services by Segment - Percentage Breakdown of Revenue for Forensic Databases, Forensic Consulting and Computer Forensics, Biometrics/Fingerprinting, DNA Testing and Others Markets for Years 2006, 2014 and 2020 (includes corresponding Graph/Chart)

III. COMPETITIVE LANDSCAPE
Total Companies Profiled: 137 (including Divisions/Subsidiaries -146)
The United States (104)
Canada (12)
Japan (2)
Europe (18)
- Germany (1)
- The United Kingdom (15)
- Rest of Europe (2)
Asia-Pacific (Excluding Japan) (9)
Latin America (1)

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