

WINTERGREEN RESEARCH, INC.

**Biometric Fingerprint Equipment Market Opportunities,
Strategies, and Forecasts, 2005 to 2010**

Biometric Fingerprint Equipment



Picture by Susie Eustis

MOUNTAINS OF OPPORTUNITY

**WinterGreen Research, Inc.
Lexington, Massachusetts**

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CHECK OUT THESE KEY TOPICS

BIOMETRICS MARKET FORECASTS AND MARKET SHARES
BIOMETRIC FINGERPRINT EQUIPMENT MARKET DRIVING FORCES
Biometric Industry Segments

Types Of Fingerprint Products

Digital Data Security

Commercial Biometric Fingerprint Markets

ENABLING BIOMETRIC TECHNOLOGIES

VULNERABILITIES TO WINDOWS SYSTEMS

BIOMETRICS BUSINESS CASE

RISKS IN BIOMETRIC-BASED AUTHENTICATION

BIOMETRICS AUTOMATED TECHNIQUE

FINGERPRINT TECHNOLOGY

HUMAN MECHANISM TO DISTINGUISH BETWEEN HUMAN FACES

FACE RECOGNITION TECHNOLOGY

IRIS READING ALGORITHMS

IRIS READING ACCURACY

OPPORTUNITY ABOUNDS

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Access control is central to biometric market development. The driving market forces for commercial biometric fingerprint systems relate to demand for more granular intelligent security systems that provide more access control. Intelligent networks are global. Biometrics is a part of these new markets for access control.

A system will have access control at some level. A very advanced feature set is implemented as software in combination with biometrics security systems. Middleware software has highly evolved voice feature systems that complement software systems that implement over 1,000 different functions for the desktop. It is in this context that biometrics are achieving market penetration.

Biometrics is a method of authentication based on physical or behavioral characteristics. Market growth depends on demand for a quick, secure way to identify people. The Internet security industry is composed of hardware tokens, software tokens, and biometrics. All are used for authentication. The hardware token segments are the most widely used authentication devices set to be replaced by fingerprint identification systems as they become more cost efficient.

Microsoft and the International Biometric Industry Association (IBIA), BioAPI consortium represent standards forces driving market growth. Microsoft is integrating biometric authentication technology into its next version of Windows, thereby validating the technology. The Microsoft implementation sends a message to the market that this technology is ready for widespread adoption.

The law enforcement markets are anticipated to continue to grow at a rapid pace, joined soon by commercial and healthcare markets. The availability of sensors at a cost below \$5 is the most significant market driver. The higher price sensors are for door and other applications that people prefer a larger aspect presentation. Low cost and wide applicability of the technology will drive use in every industry.

U.S. Biometric Reader, Sensor, and Scanner Fingerprint equipment market forecasts indicate that markets at \$142.4 million in 2004 are anticipated to continue growing through 2010 when they reach \$12.6 billion.

Companies Profiled

Market Leader

Indentix
Heimann

Market Participants

Alcatel	Atmel
AuthenTec	Bio-Key
Bioscrypt	Cogent
CrossMatch	Fujitsu
Labcal Technologies	NITGEN
Precise Biometrics	Recognition Systems
Saflink	SAIC
SecuGen	ST Microelectronics (finger-scan)
UPEK	

Biometric Fingerprint Equipment Strategies and Forecasts, 2005-2010

REPORT METHODOLOGY

THIS IS THE *TWO-HUNDRED AND FORTY FIFTH* REPORT IN A SERIES OF MARKET RESEARCH REPORTS THAT PROVIDE FORECASTS IN COMMUNICATIONS, TELECOMMUNICATIONS, THE INTERNET, COMPUTER, SOFTWARE, TELEPHONE EQUIPMENT, HEALTH EQUIPMENT, AND ENERGY. THE PROJECT LEADERS TAKE DIRECT RESPONSIBILITY FOR WRITING AND PREPARING EACH REPORT. THEY HAVE SIGNIFICANT EXPERIENCE PREPARING INDUSTRY STUDIES. FORECASTS ARE BASED ON PRIMARY RESEARCH AND PROPRIETARY DATA BASES. FORECASTS REFLECT ANALYSIS OF THE MARKET TRENDS IN THE SEGMENT AND RELATED SEGMENTS. UNIT AND DOLLAR SHIPMENTS ARE ANALYZED THROUGH CONSIDERATION OF DOLLAR VOLUME OF EACH MARKET PARTICIPATION IN THE SEGMENT. INSTALLED BASE ANALYSIS AND UNIT ANALYSIS IS BASED ON INTERVIEWS AND AN INFORMATION SEARCH. MARKET SHARE ANALYSIS INCLUDES CONVERSATIONS WITH KEY CUSTOMERS OF PRODUCTS, INDUSTRY SEGMENT LEADERS, MARKETING DIRECTORS, DISTRIBUTORS, LEADING MARKET PARTICIPANTS, OPINION LEADERS, AND COMPANIES SEEKING TO DEVELOP MEASURABLE MARKET SHARE. OVER 200 IN DEPTH INTERVIEWS ARE CONDUCTED FOR EACH REPORT WITH A BROAD RANGE OF KEY PARTICIPANTS AND INDUSTRY LEADERS IN THE MARKET SEGMENT. WE ESTABLISH ACCURATE MARKET FORECASTS BASED ON ECONOMIC AND MARKET CONDITIONS AS A BASE. USE INPUT/OUTPUT RATIOS, FLOW CHARTS, AND OTHER ECONOMIC METHODS TO QUANTIFY DATA. USE IN-HOUSE ANALYSTS WHO MEET STRINGENT QUALITY STANDARDS. INTERVIEWING KEY INDUSTRY PARTICIPANTS, EXPERTS AND END-USERS. OUR RESEARCH INCLUDES ACCESS TO LARGE PROPRIETARY DATABASES. LITERATURE SEARCH INCLUDES ANALYSIS OF TRADE PUBLICATIONS, GOVERNMENT REPORTS, AND CORPORATE LITERATURE.

YOU MUST HAVE THIS STUDY

Biometric Fingerprint Equipment Market Opportunities, Strategies, and Forecasts, 2005 to 2010

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ABOUT THE COMPANY

WINTERGREEN RESEARCH, HAS A UNIQUE RESEARCH STRATEGY THAT RELATES TO IDENTIFYING MARKET TRENDS THROUGH READING AND INTERVIEWING OPINION LEADERS. BY READING THE ELECTRONIC EQUIVALENT OF 40 FEET OF PAPER, WINTERGREEN RESEARCH SENIOR ANALYSTS CAN LEARN A LOT MORE ABOUT MARKETS, A LOT FASTER THAN CAN BE LEARNED THROUGH EXPENSIVE SURVEYS AND FOCUS GROUPS. THINKING ABOUT MARKET TRENDS IS A HIGH PRIORITY AT WINTERGREEN RESEARCH. AS WITH ALL RESEARCH, THE VALUE PROPOSITION FOR COMPETITIVE ANALYSIS COMES FROM INTELLECTUAL INPUT.

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