

About 3M Cogent, Inc.

3M Cogent, a fully owned subsidiary of 3M Company, has delivered the fastest, most accurate, and most sophisticated yet reliable biometric identification solutions in the world. As a world leader, 3M Cogent provides first class Automated Biometric Identification Systems, identity management solutions, and biometric access control products to governments, law enforcement agencies, and commercial customers worldwide. 3M Cogent is committed to aligning biometric technology and services to solve our customers' business challenges.

Our products can be found at the heart of the largest and fastest automated identification systems in the world. With our extensive knowledge of automated identification in the field of law enforcement, we strive to develop comparison and searching algorithms that are optimized to deliver high performance and robust biometric identification solutions. Employing technology based on over 20 years of advanced research and development, 3M Cogent achieves industry-leading field-proven accuracy rates while maintaining rapid response times when searching large biometric databases.

3M Cogent has established a reputation for successful deployment of identification systems and identity management solutions that allow for real-time identification of individuals in a wide variety of applications, including: voting, asylum seekers, citizen benefits, identity credentialing, driver licenses, law enforcement, criminal investigations, border security, and others.

3M Cogent Firsts

1993	PC-based AFIS with 100% database penetration for fingerprint searches
1994	Selected as the technology supplier for the first nationwide Fast-ID system
1996	Integrated Palm & Finger AFIS
1999	First AFIS vendor to demonstrate interoperability with all other AFIS vendors' systems
2000	WebCheck - First Web Based Fingerprint Identification Solution
2003	Delivered first AFIS designed to store/use 1,000 ppi images and multiple records per subject
2004	Delivered world's fastest real-time ID system
2004	First biometric access control device with Power-Over-Ethernet capability
2006	First template generation and matching algorithm to receive GSA Certification for FIPS 201
2006	Industry first Bluetooth-enabled portable fingerprinting scanner
2007	First AFIS to support the largest mobile identification network of 500+ mobile units
2008	First multi-modal portable field device certified by Department of Defense
2009	First mobile handheld device to capture latent prints at 1,000 ppi
2011	First outdoor biometric access control reader with built-in TSL encrypted ethernet support

Mobility has recently become a major business challenge and 3M Cogent is bringing mobility to the biometric identification process. 3M Cogent's mobile products provide for real-time identification results in the field. Our mobile solution, combined with our high-speed biometric matching solution, enhances public safety and increases officer productivity.

3M Cogent delivers cost-effective commercial solutions, including solutions for biometric access control, time and attendance, and handheld portable biometric devices. For the OEM market, 3M Cogent's state-of-the-art products can be integrated to perform all biometric operations. 3M Cogent licenses its patented image reconstruction algorithm for linear fingerprint sensors and its field-proven biometric matching engine that can be ported into new or existing products requiring higher security.

Global Biometric Solutions Provider

Product & Solution Overview



ABIS - Automated Biometric Identification System

A total system solution for large-scale, distributed fingerprint, palm print, latent print, face and iris identification/processing systems.

CMS - Web-based Mugshot Management System

The CMS provides a Web-based, service-oriented, modular mugshot photo investigative tool for law enforcement agencies. Users can easily create and edit lineups, mug books, and booking records.



LiveScan Product Line

A full range of 500 and 1,000 ppi resolution FBI-certified tenprint and palm print Livescan scanners, available in portable, desktop, and full cabinet configurations that can be easily incorporated into various applications such as applicant fingerprint processing, border control, or inmate booking. The LiveScan Product Line can also be expanded with Facial Recognition features.



Mobile Identification Solutions

3M Cogent's mobile handheld devices create unimodal or multimodal biometric records (fingerprint, facial, latent and iris images) and transmit them wirelessly to a central AFIS.



Web-based Identification Solutions

3M Cogent is a pioneer in the delivery of fully web-based applications for fingerprint background checks, time and attendance, asset management reporting systems, and identity document credentialing and management.



Biometric Capture Devices

3M Cogent's biometric capture devices features single and dual-digit fingerprint scanners for the capture of high quality prints. 3M Cogent also provides a dual iris capture scanner offering a robust yet low cost solution for rapid and simultaneous iris capture.



Physical and Logical Access Control

3M Cogent's physical access control products consists of biometric devices that combine fingerprint, smart card, and pin technology to meet the various needs of industrial sites, corporate offices, and government facilities. 3M Cogent's logical access control combines fingerprint and/or facial authentication for biometrically secured computer logons.



FIPS 201 Certified Products

Under Homeland Security Presidential Directive 12, all U.S. government agencies are in the process of introducing smart identification cards and biometric access control systems that comply with the FIPS 201 standard. 3M Cogent is one of a small group of companies whose algorithms for biometric software and hardware have been certified for FIPS 201.



Beyond Comparison™