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ID SOLUTIONS



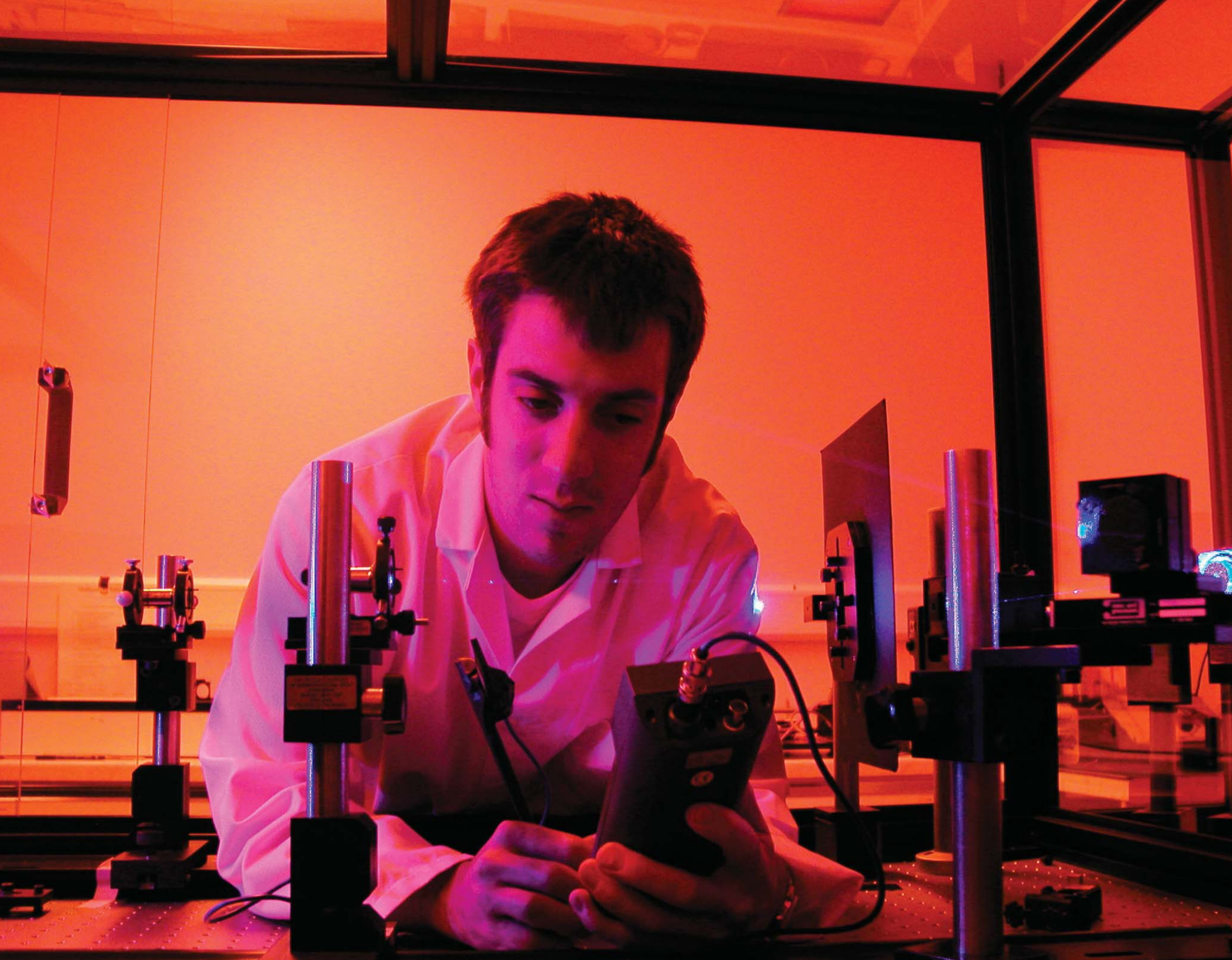
Inspired by Technology. Proven by Experience.®

Integrated ID Security Solutions



At OpSec, we understand the challenge of protecting the security of identity documents. For over 20 years, OpSec has been a pioneer in comprehensive, innovative solutions for branded goods, identity documents, and currencies. That is why over 40 governments worldwide trust OpSec to provide them with secure identification solutions. We serve as the single point of contact for integrated ID system solutions, from design through delivery including track & trace capabilities to secure the supply chain and issuance process. Our proprietary, advanced optical imaging technologies are developed in state-of-the-art R&D laboratories in the US and the UK. OpSec draws from the broadest technology portfolio in the industry to develop cost-effective, multi-layered anti-counterfeiting solutions that protect against misrepresentation, reproduction, cannibalization and alteration of identity documents. OpSec security products protect and authenticate all forms of personal identification documents:

- Passports
- Travel and Immigration Documents
- National ID Cards
- Driving Licenses
- Voter ID Cards
- Electronic IDs
- Birth and Marriage Certificates
- Temporary IDs



Superior Technology

OpSec has an impressive history of leadership, pioneering many of the technical and product innovations which are currently standard in the authentication industry. Our technology portfolio is unique in the industry for its breadth, offering a single-source for everything from unique optical technologies including both holographic and liquid crystal security features, to high-end security printing and software applications providing both track and trace and internet monitoring capabilities.

Optically Variable Devices (OVD's)

OpSec prides itself as having the most sophisticated range of OVD technologies within one company. OpSec's numerous proprietary optical imaging technologies are developed and produced in state-of-the-art laboratories in both the US and the UK. These technologies include 2 and 3 dimensional imaging, complex computer-generated kinetic designs, E-beam and ultra high resolution imagery. OpSec's extensive R&D program combines multiple technologies into a single image (Multigram®) in order to create OVD's that present a formidable barrier to counterfeiting.

Liquid Crystal Technology

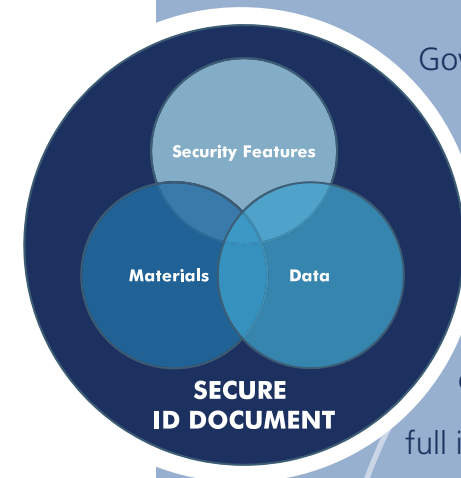
OpSec's Liquid Crystal technology is the culmination of over 20 years of research and development. This highly specialized OVD can provide overt, covert and forensic protection combined into a single security image. When viewed at different angles light interference creates noticeable color changes that makes validating an identity document quick and easy without the use of special viewers. Its transparent nature allows it to be placed directly over variable information taking up no real estate on the document.

Security Printing

OpSec employs a wide array of printing techniques and practices to secure against forgery and alteration. By combining advanced security printing techniques, such as guilloche, rainbow printing, and moiré patterns with specialty inks, and OVD's, OpSec provides the highest level of protection against counterfeiting, duplication and alteration of identity documents. Our fully automated secure card manufacturing facility is capable of the most sophisticated security printing as well as laser engraving of personal data for maximum security.



Secure Card Solution Suite: *Integrated, modular solutions for identity cards*



Governments and integrators worldwide have trusted OpSec's expertise in secure card technologies. OpSec's system architects design custom tailored solutions to match each customer's specific needs providing full integration to existing ID systems.

We build secure solutions by selecting and integrating the most appropriate security technologies combined with durable materials and securing personal data. Our comprehensive system solutions can combine ID printing hardware and software, secure cardstock with multi-layered security features, personalization service including laser engraving, chip encoding, and track & trace capabilities for both over-the-counter and central issuing systems.

OpSec offers three specially constructed card types: polycarbonate, polycarbonate composite and PVC/PET

composite. Each is uniquely engineered to meet each customer's specific needs from cost-effectiveness to extreme durability. OpSec cards exceed all applicable international standards for ID cards and are produced in secure manufacturing facilities. OpSec employs the industry's best practices to ensure maximum secure production and supply chain processes.

Drawing from its extensive industry expertise, OpSec combines security features that provide significant protection including advanced security printing, such as guilloche and micro-printing, laser engraving, RFID and chip technology, and our proprietary liquid crystal OVDs, thereby providing all three levels of security protection, (overt, covert, and forensic). Together these features create the most secure ID card protected from alteration, duplication, and counterfeiting threats.



OpSec Card Laminates

OpSec card overlaminates secure over 30 million ID cards annually worldwide. Applying our expertise in material, optical and liquid crystal sciences, we develop secure custom-tailored identity card solutions for our customers. Our card laminates combat forgery and alteration through the use of multi-layered security features that interact harmoniously offering overt, covert and forensic levels of protection. Our solutions are designed to be visually simple for ease of verification with the naked eye, yet technologically complex for exceptional resistance to forgery and counterfeiting. Security features include: transparent holographic OVD's (HRI), optically variable inks, invisible UV inks and our proprietary range of liquid crystal technologies including SecurMAX™. OpSec overlaminates are developed to meet most printers' specifications and are engineered with advanced surface materials proven durable to withstand everyday wear and tear. They protect dye-sublimation and other forms of digital printing from manipulation, copying and counterfeiting and have consistently passed independent testing requirements set forth by the industry. OpSec's card laminates provide the highest levels of security for all forms of identity cards.



Passport and Travel Document Solutions

OpSec protects over 20 million travel documents annually worldwide. We have extensive experience in providing passport and travel document system solutions that interlink secure technologies with innovative materials and personal data protection. OpSec offers a full range of high security products to authenticate the validity of passports and other International Civil Aviation Organization (ICAO) machine-readable travel documents. These include custom-manufactured:

- ULTRA™ high security, thin film laminates
- Secure paper solutions for Visa issuance
- Pressure-sensitive laminates
- High security hot stamping foils
- E-Passport covers
- Polycarbonate data pages for laser-engraved personalization

OpSec combines sophisticated security features including OVD's, optically variable and invisible UV inks, HRI, and liquid crystal coatings for exceptional security, protection and authentication. All of our identification products and solutions fulfill the ICAO standards.

OpSec works directly with governments worldwide and with system integrators to ensure cost-effective turnkey solutions for use with a wide range of issuing systems.



- Branch Locations
- Regional Sales Headquarters
- Sales Agents & Distributors

USA

Denver, Colorado
 Parkton, Maryland
 Lancaster, Pennsylvania
 Boston, Massachusetts

Corporate Headquarters and 3DCD Support Office
 American Headquarters and Sales and Manufacturing Facility
 Manufacturing Facility
 Software Development Headquarters

Europe

Washington, Tyne & Wear
 Grove Park, Leicestershire
 Munich, Germany

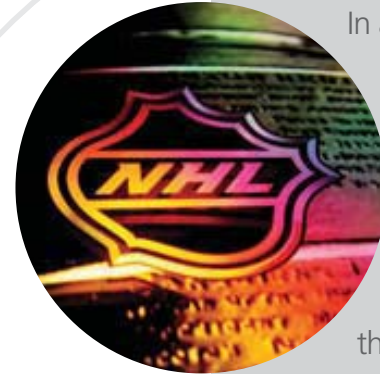
European Headquarters and Manufacturing Facility
 Optical Laboratories
 European Internet Monitoring Office

Regional Sales Offices

Hong Kong
 Singapore

Argentina
 +40 agents worldwide

Brand Protection

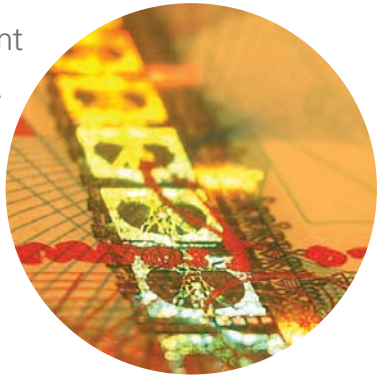


In addition to its ID Solutions and Banknote & High Security business groups, OpSec has a dedicated business unit that is focused exclusively on delivering advanced Brand Protection management systems to protect the intellectual property of brand owners. For 18 years OpSec has designed, developed and implemented sophisticated Brand Protection and Licensed Product Protection systems utilizing state-of-the-art OVD technology, covert marking technologies, serialization coding system, supply chain security software and Internet Monitoring applications. Our impressive client base comprises over 150 companies including boutique brands as well as many of the Fortune 500 brands.

OpSec adds another layer of brand protection capabilities with Brand Protection Management System (BPMS). This innovative, web-based dashboard provides brand owners with a convenient, centralized system to monitor and manage their internet and physical supply-chain brand security efforts.



Banknote & High Security



OpSec Banknote & High Security Document division specializes in solutions successfully used to protect vulnerable products and documents, such as banknotes, checks, bonds, share certificates, gift vouchers, event and travel tickets, postal and fiscal stamps, vehicle registration tags, and any other item that carries an intrinsic value. OpSec applies its advanced security technologies to this worldwide challenge by combining sophisticated security designs with innovative materials, such as threaded paper stocks, reflective inks, optically variable devices and color-shifting films. The end result is cost-effective security that combats forgery and counterfeiting, protects against alteration and allows for immediate authentication.



3DCD is a pioneering joint venture between OpSec and Technicolor that provides unparalleled anti-counterfeiting solutions for CD and DVD discs. The secure Inner Mirror Band™ and Edge-to-Edge™ products are technological breakthroughs that incorporate a sophisticated OVD into an optical disc without any loss or distortion of data.

OpSec Innovation

For 25 years OpSec has been a leader in developing anti-counterfeiting solutions for its customers worldwide. With a heritage as a pioneer in security solutions including optical and material sciences and in software development, no organization in the world has more client focused experience than OpSec. Protecting brands, supply chains, passports, currencies, and identity documents is our business. OpSec serves customers in over 100 countries, operates on five continents and secures over 60 million identity documents annually worldwide. Innovative engineering, continuous product development, superior customer service and a global perspective allow OpSec to deliver the most technologically advanced, modular ID document security solutions. For more information about how OpSec can develop comprehensive secure solutions for your ID documents needs contact your local representative.



OpSec ID Solutions

OpSec

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