



# **Top** Suppliers **25** **2013**

**anti-counterfeiting  
& product security technologies**

*Active players providing a range of products and services for instantly validating product authenticity*

# Stemming the illicit flow for global safety

Trade in counterfeit goods in almost every manufacturing vertical impacts economies and can have dangerous consequences for public health and security

Counterfeiters are producing imitation luxury goods, fake foods and beverages, pharmaceuticals, electronics and electrical supplies, auto parts and everyday household products. Trade in counterfeit goods is often perceived as a 'soft' form of crime, but can have dangerous consequences for public health and safety. Fraudulent medicines in particular pose a threat to public health. According to the United Nations Office on Drugs and Crime, China has become the world's workshop, producing a significant share of the world's manufactured goods. It also produces a large share of the counterfeits: according to the World Customs Organization, 75% of the counterfeit prod-

ucts seized worldwide from 2008 to 2010 were manufactured in East Asia, primarily China. While dedicated counterfeit factories have been detected in large numbers, production is often decentralized, making use of networks of specialists. The key players in counterfeit markets are brokers and logisticians who connect supply and demand. Following production, the counterfeit goods are concealed, frequently through false customs declarations or disguised with lesser-known logos.

Circuitous routes are used to transport the goods, often through free-trade zones. The primary modes of transport are through direct post to the consumer, or through containerized shipment of larger volumes. In both the US and the EU, maritime shipments comprise the bulk of the value of counterfeits seized. "The OECD has

concluded that counterfeiting accounts for around 2% of world trade. Applying this rate to the value of goods imported from East Asia to the US and the EU in 2010 suggests a flow worth some US\$24.4 billion. Anti-counterfeiting and product security technologies have a crucial part to play in combating this global problem.

This Top 25 Suppliers of Anti-counterfeiting & Product Security Technology Directory presents active players who provide products and services for instantly validating product authenticity. Solutions include RFID chips, tags and labels, holograms, smart technology, tamper-evident closures, special inks, nanomaterials, readers, printers, recognition equipment, software solutions and other forms of relevant auto ID technology for manufacturers and governments to help them protect brands and revenue.



# ANTI-COUNTERFEITING TOP 25

**Top**  
Suppliers  
**25**

**anti-counterfeiting  
& product security technologies**

		Target/Product				Technology						Sector				
		Tax stamps	Ids, cards & secure docs	Jewelry & luxury goods	Pharmaceuticals	Currency	RFID	Holograms	Biometrics	Security print	Software	Taggants (Other)	Government & Public Sector	Manufacturing & Retail	Healthcare	Electronics
Advanced Track & Trace	<a href="http://www.att-fr.com">www.att-fr.com</a>			✓	✓					✓	✓			✓	✓	✓
Alien Technology	<a href="http://www.alientechnology.com">www.alientechnology.com</a>			✓	✓		✓							✓	✓	✓
Alp Vision	<a href="http://www.alpvision.com">www.alpvision.com</a>			✓	✓					✓				✓	✓	✓
Applied DNA Sciences	<a href="http://www.adnas.com">www.adnas.com</a>			✓	✓					✓	✓			✓	✓	✓
ATL Security Label Systems	<a href="http://www.atlco.com">www.atlco.com</a>			✓	✓			✓		✓	✓			✓	✓	✓
Atlantic Zeiser	<a href="http://www.atlanticzeiser.com">www.atlanticzeiser.com</a>		✓	✓	✓				✓	✓		✓	✓	✓	✓	✓
Authentix	<a href="http://www.authentix.com">www.authentix.com</a>	✓		✓	✓	✓				✓	✓		✓	✓	✓	✓
Avery Dennison RFID	<a href="http://www.rfid.averydennison.com">www.rfid.averydennison.com</a>				✓		✓				✓				✓	
Datamax-O'Neil	<a href="http://www.datamax-oneil.com">www.datamax-oneil.com</a>			✓	✓					✓				✓	✓	✓
DSS	<a href="http://www.dsssecure.com">www.dsssecure.com</a>		✓	✓	✓					✓	✓		✓	✓	✓	✓
Dupont Authentication Systems	<a href="http://www2.dupont.com">www2.dupont.com</a>			✓	✓			✓		✓	✓		✓	✓	✓	✓
EDAPS	<a href="http://www.edaps.ua">www.edaps.ua</a>		✓	✓	✓			✓	✓	✓	✓		✓	✓	✓	✓
EM Microelectronic	<a href="http://www.emmicroelectronic.com">www.emmicroelectronic.com</a>		✓	✓	✓		✓							✓	✓	✓
FNMT - RCM	<a href="http://www.fnmt.es/smart_cards">www.fnmt.es/smart_cards</a>		✓							✓		✓				
Giesecke & Devrient (G&D)	<a href="http://www.gi-de.com">www.gi-de.com</a>		✓		✓	✓				✓			✓		✓	
IAI	<a href="http://www.iai.nl">www.iai.nl</a>		✓			✓				✓		✓	✓			
Impinj	<a href="http://www.impinj.com">www.impinj.com</a>			✓	✓		✓							✓	✓	✓
InkSure Technologies	<a href="http://www.inksure.com">www.inksure.com</a>	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
Microtag Temed	<a href="http://www.microtag-temed.com">www.microtag-temed.com</a>			✓			✓				✓	✓		✓		✓
Morpho	<a href="http://www.morpho.com">www.morpho.com</a>		✓					✓				✓				
Prooftag	<a href="http://www.prooftag.net">www.prooftag.net</a>	✓	✓	✓	✓					✓	✓	✓	✓		✓	✓
Schreiner ProSecure	<a href="http://www.schreiner-prosecure.com">www.schreiner-prosecure.com</a>		✓		✓		✓	✓		✓		✓	✓	✓	✓	✓
Securikett Ulrich & Horn	<a href="http://www.securikett.com">www.securikett.com</a>	✓		✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓
SICPA Security Solutions	<a href="http://www.sicpa.com">www.sicpa.com</a>	✓			✓						✓	✓	✓			✓
Tagsys	<a href="http://www.tagsysrfid.com">www.tagsysrfid.com</a>			✓	✓		✓							✓	✓	✓
U-NICA Group	<a href="http://www.u-nica.com">www.u-nica.com</a>	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓
WISEKey	<a href="http://www.wiseauthentic.com">www.wiseauthentic.com</a>		✓	✓	✓					✓		✓	✓	✓	✓	✓

# ANTI-COUNTERFEITING TOP 25

## Advanced Track & Trace

www.att-fr.com  
info@att-fr.com

## LUX, P, SP, SW, MR, HC, EL

99 Avenue de la Châtaigneraie 92504 Rueil-Malmaison – France

Tel. +33 147 166 472

*The high increase in counterfeiting activities, parallel markets, hacking and other illegal practices is due to the disparity of laws, production conditions. Advanced Track & Trace offers industrial solutions that use advanced technologies for concealing information and encoding built in data in products packaging, printed documents, images... etc. in compliance with legal requirements.*

## Alien Technology

www.alientechnology.com  
sales@alientechnology.com

## LUX, P, RF, MR, HC, EL

18220 Butterfield Blvd. Morgan Hill CA 95037 – USA

Tel. + 1408-782-3900

*Alien Technology Corporation is a leading provider of Radio Frequency Identification (RFID) products for global customers in government, retail, manufacturing, pharmaceuticals, transportation, and other industries. Using its patented manufacturing process, Fluidic Self Assembly Alien manufactures EPC tags in very high-volumes. The company provides a family of RFID readers for a variety of applications including supply chain management, logistics, and anti-counterfeiting.*

## Alp Vision

www.alpvision.com  
avinfo@alpvision.com

## LUX, P, SW, MR, HC, EL

Rue du clos 12, 1800 Vevey – Switzerland

Tel. +41 21 948 6464

*AlpVision helps design the most efficient invisible anti-counterfeiting and track & trace program for brand protection and document security. Services include contract R&D, security printing technologies, software development, Internet/Intranet online solutions, patents filing, quality assessment protocols and dedicated hardware and electronics development.*

## Applied DNA Sciences

www.adnas.com  
info@adnas.com

## LUX, P, SW, TAG, MR, HC, EL

25 Health Sciences Drive, Stony Brook, NY 11790 – USA

Tel. +1 631.444.6370

*Applied DNA Sciences delivers counterfeit protection, brand authentication, combats product diversion, and offers its award-winning programs against cash-in-transit crimes, all using the proven forensic power of DNA. With impenetrable taggants, high-resolution DNA authentication, and comprehensive reporting, our botanical DNA-based technologies deliver the greatest levels of security, deterrence and legal recourse strength.*

## ATL Security Label Systems

www.atlco.com  
info@atlco.com

## LUX, P, SW, TAG, H, SP, MR, HC, EL

W140 N9504 Fountain Blvd., Menomonee Falls, WI 53051 – USA

Tel. +1 262 255 6150

*ATL Security Label Systems can offer you the latest solutions in track and trace technology. Choose from a broad selection of overt and covert label features including invisible forensic taggants, holograms, color-shifting inks, and tamper-indicating materials. Mass serialization capabilities (2-D barcodes and custom codes) assist in supply chain management. ATL's "mix and rotate" approach combines multiple technologies in one label, changing with each production run.*

# ANTI-COUNTERFEITING TOP 25

## Atlantic Zeiser

www.atlanticzeiser.com  
sales@atlanticzeiser.com

## LUX, P, SP, SD, SW, GP, MR, HC, EL

Bogenstr. 6-8, 78576 Emmingen – Germany

Tel. +49 7465 291 0

*Atlantic Zeiser offers technically superior processing equipment to track and trace cosmetic products throughout your entire supply chain. Our total security system solutions have been successfully installed in governments and manufacturing industries around the world. Counterfeiting and parallel trade are fueling the demand for sophisticated processing equipment to track products and documents through the supply chain.*

## Authentix

www.authentix.com

## TAX, LUX, P, C, SP, SW, GP, MR, HC, EL

4355 Excel Parkway, Suite 100 Addison, TX 75001 – USA

Tel. +1 469 737 4400

*As a global leader in authentication, Authentix provides brand protection and supply chain security solutions for the oil and gas, pharmaceutical, consumer, tobacco, spirits, and agrochemical industries, as well as excise tax recovery for governments and banknote processing solutions for central banks worldwide. Authentix offers advanced authentication and security technology platform offerings, from on-package and in-product authentication features, covert security inks to supply chain security and traceability solutions.*

## Avery Dennison RFID

www.rfid.averydennison.com  
communications@averydennison.com

## P, RF, SW, HC

Atlanta technical Center, Atlanta – USA

Tel. +1 866 903 7343

*Avery Dennison RFID designs and manufactures Radio Frequency Identification (RFID) inlays. RFID Inlays are the antenna and microchip that contain the data in an RFID system - a critical link between the tagged item and the hardware, software and databases in a data collection system. Every day Avery Dennison RFID technology helps more businesses across the world reduce costs, increase sales & productivity and even improve healthcare processes to keep patients safe.*

## Datamax-O'Neil

www.datamax-oneil.com  
dkalapati@datamaxcorp.com

## LUX, P, SP, MR, HC, EL

4501 Parkway Commerce Blvd., Orlando, FL 32808 – USA

Tel. +1 800-816-9649

*Datamax-O'Neil delivers a value-driven printing solution that minimizes risk and maximizes efficiency, safety, and quality. We design, manufacture and market one of the industry's most complete line of stationary and portable label and receipt printing solution products. These printing solutions enable manufacturing and supply markets to capture the benefits of automated product identification and automated legal and financial transactions.*

## LEGENDA

### TARGET/PRODUCT

TAX = Tax stamps  
SD = Ids, cards & secure documents  
LUX = Jewelry & luxury goods  
P = Pharmaceuticals  
C = Currency

### TECHNOLOGY

RF = RFID  
H = Holograms  
B = Biometrics  
SP = Security print  
SW = Software  
TAG = Taggants (Other)

### SECTOR

GP = Government & Public Sector  
MR = Manufacturing & Retail  
HC = Healthcare  
EL = Electronics

# ANTI-COUNTERFEITING TOP 25

## DSS

www.DSSsecure.com  
info@DSSsecure.com

## LUX, P, SD, SP, SW, GP, MR, HC, EL

28 Main Street East, 15th Floor, Rochester, NY 14614 – USA

Tel. +1 585 325 3610



*Document Security Systems, Inc., a leading developer and integrator of secure cloud computing and security printing technologies, has created a comprehensive, component based system that protects your brand in four ways: a point authentication tool, a product locator service, e-commerce verification and customer connectivity capabilities. This system includes AuthentiSite, a unique digital signature which reduces phishing attempts and counterfeit websites selling diverted or grey market goods as well as AuthentiGuard which combines our industry-standard secure printing with digital world access.*

## Dupont Authentication Systems

www2.dupont.com

## LUX, P, H, SP, SW, GP, MR, HC, EL

Wilmington, DE – USA

Tel. +1-800-998-5775

*DuPont anti-counterfeit solutions provide market leading brand protection programs, anti-counterfeit solutions, and document security systems to large corporate and government entities. These solutions use a combination of market leading technologies to safeguard the world's largest brands and government organizations from the damaging affects of counterfeiting.*

## EDAPS

www.edaps.ua  
edaps@edaps.ua

## SD, LUX, P, H, B, SP, SW, GP, MR, HC, EL

64 Lenina Str., Kyiv 02088 – Ukraine

Tel. +38 044 561 25 90

*The EDAPS Consortium is a world leader in the protected printing industry and the originator of this branch of industry in Ukraine. EDAPS anti-counterfeiting technologies are used to secure documents of various types and products, including ID documents, medicine, audio visual goods, tobacco goods, alcohol drinks, diamonds, jewellery items and many other goods in tens of world countries.*

## EM Microelectronic

www.emmicroelectronic.com  
info@emmicroelectronic.com

## SD, LUX, P, RF, EL, HC, MR

Rue des Sors 3, 2074 Marin – Switzerland

Tel. +41 32 755 5111



*EM Microelectronic is a semiconductor manufacturer specialized in the design and production of ultra-low power, low voltage integrated circuits dedicated for consumer, automotive and industrial applications. Our RFID and NFC product portfolio integrates innovative solutions for product authenticity and anti-counterfeit functions on devices like EM4237 and NF4 by adding cryptographic features, key diversification mechanisms and authentication certificates. As a provider of secure product solutions, the company has developed EM4394, a new secure reader IC embedding state of art security technologies.*

## FNMT - RCM

www.fnmt.es/smart\_cards  
tarjetas@fnmt.es

## SD, SP, GP

Jorge Juan 106, 28009 Madrid – Spain

Tel. +34 91 566 67 39

*For a long time, FNMT-RCM has been working for public and private organizations, providing custom-made solutions, designing and manufacturing documents that incorporate the most advanced security measures. Its activity encompasses security paper manufacturing, printing of banknotes, postage stamps, security labels, identification documents, passports, minting of coins, development and manufacturing of smart cards and electronic certificates and services associated with the implementation and full development of national identification systems. Identification documents is one of FNMT-RCM's business lines of great importance.*

# ANTI-COUNTERFEITING TOP 25

## Giesecke & Devrient (G&D)

www.gi-de.com  
security-printing@gi-de.com

## SD, P, C, SP, GP, HC

BPrinzregentenstrasse 159, P.O. Box 80 07 29, 81607 Munich – Germany

Tel. +49 89 4119 18 37

*Giesecke & Devrient (G&D) is a global technology leader that offers cutting-edge solutions in telecommunications, electronic payment, healthcare, identification, and IT security. The company is a technological trendsetter in banknote processing and in the production of banknotes and security documents. As one of the world's largest banknote manufacturers, we specialize in developing and producing security paper, security foil, innovative security elements and anti-counterfeiting technologies.*

## IAI industrial systems

www.iai.nl  
info@iai.nl

## SD, C, SP, TAG, GP

De Run 5406, 5504 DE Veldhoven, 5500 AE Veldhoven – The Netherlands

Tel. +31 40 254 24 45



*IAI is an independent equipment supplier to the Security Printing industry. We provide high level security features based on advanced laser technology. Examples are MicroPerf for banknotes (a perforated number with miniscule holes), ImagePerf (a perforated photograph) for passports and identity cards, and LogoPerf (a perforated logo) or NumberPerf (a perforated number) for other valuable documents, such as certificates, bank cheques, tax excises, diploma's etcetera. Our technology is used in leading security documents worldwide.*

## Impinj

www.impinj.com  
rfid\_info@impinj.com

## LUX, P, RF, MR, HC, EL

701 N. 34th Street, Suite 300, Seattle, WA 98103 – USA

Tel. +1-206-517-5300

*Impinj has leveraged its deep RFID knowledge to help our pharmaceutical industry partners deliver highly reliable RFID-enabled solutions for brand protection, anti-counterfeiting and more. Impinj is a leading provider of UHF RFID solutions for identifying, locating and authenticating items. Leading retail, apparel, pharmaceutical, food and beverage, technology and logistics companies as well as government agencies rely on our GrandPrix platform.*

## InkSure Technologies

www.inksure.com  
info@inksure.com

## TAX, SD, LUX, P, C, SW, TAG, GP, MR, HC, EL

589 Fifth Ave., Suite 401, New York, NY 10017 – USA

Tel. +1-646-233-1454

*InkSure Technologies is the industry leader in machine-readable technology for brand protection and anti-counterfeiting. InkSure's taggant technology is applied to tens of billions of consumer items and high-value documents annually. The company is a thought leader, regularly speaking at industry conferences and introducing cutting-edge new products. InkSure is currently the only company on the market offering covert hologram authentication via smart phones. InkSure is based in New York City, SEC regulated, and publicly traded under the symbol INKS.OB.*

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TAG = Taggants (Other)

### SECTOR

GP = Government & Public Sector  
MR = Manufacturing & Retail  
HC = Healthcare  
EL = Electronics

# ANTI-COUNTERFEITING TOP 25

## MicroTag Temed

www.microtag-temed.com  
david@microtag-temed.com

LUX, RF, TAG, SW, MF, EL

Rotem Industrial Park, Arava 86800 – Israel

Tel. +972 4 837 2288

*MicroTag Temed is a provider of top security authentication and anti-counterfeiting technologies for the most demanding Brand Protection applications. The company possesses a high-level R&D expertise in solid-state physics, chemistry, materials science and signals processing, which served as the basis for MicroTag own invented and developed novel and unique authentication technology, now patented worldwide.*

## Morpho

www.morpho.com

SD, B, GP

Le Ponant de Paris 27, rue Leblanc Paris Cedex 1575512 – France

Tel. +33 (0) 1 58 11 89 62

*Morpho is part of the international high technology group Safran. Morpho delivers products and solutions targeted at governments, national agencies and administrations dedicated to law enforcement and border control, as well as private companies in need of secure physical or logical access control Morpho comprises three divisions: identification, e-Documents and detection.*

## Prooftag

www.prooftag.net  
prooftag@prooftag.com

TAX, SD, LUX, P, SP, SW, TAG, GP, HC, EL

1100, Avenue de l'Europe, F-82 000 Montauban – France

Tel. +33 5 63 21 10 50

*Prooftag offers solutions to trace and authenticate products and documents at the item level thanks to the Bubble Tag technology. Each Bubble Tag is unique and impossible to replicate, even by Prooftag. The Bubble Tag is controllable visually on PC or mobile phone and electronically with dedicated readers. The technology is available to be integrated into plastic cards or tamper evident seals. It has been successfully implemented to secure wines, spirits, electronics, cosmetics, jewelry, watches, in brand protection and various administrative documents.*

## Schreiner ProSecure

www.schreiner-prosecure.com  
info@schreiner-prosecure.com

SD, P, RF, H, SP, TAG, GP, MR, HC, EL

Bruckmannring 22, 85764 Oberschleissheim – Germany

Tel. +49 89 31584-5985



*Schreiner ProSecure, a competence center of Schreiner Group GmbH & Co. KG based in Oberschleissheim near Munich, develops and produces customized security solutions for product and document protection. The division specializes in delivering intelligent system solutions for optimal marking, sealing and monitoring of the distribution chain. Drawing on years-long expertise in security printing and know-how in forward-thinking security technologies, Schreiner ProSecure creates innovative solutions for effective counterfeiting and tampering protection.*

## Securikett Ulrich & Horn GmbH

www.securikett.com  
office@securikett.com

TAX, LUX, P, RF, H, SP, SW, TAG, GP, MR, HC, EL

Strasse 10, Objekt 48, 2355 Wiener Neudorf – Austria

Tel. +43 2236 677925



*Securikett is a leading provider of security solutions to combat counterfeiting. The products are unique by their layered security concept. Securikett, the One-Stop-Shop delivers in anti-counterfeiting tamper evidence, authentication and identification by unique codes. Codikett is a multilingual, web-based authentication system for real-time verification via internet. Cryptographic methods are applied to serial numbers to generate counterfeit-proof codes that meet the highest security standards. Securikett is focussing on the pharmaceutical & healthcare industry, luxury goods, the automotive industry, spirits, food & beverages. Securikett holds several patents and is supplying security labels to more than 35 countries worldwide.*



# ANTI-COUNTERFEITING TOP 25

## SICPA Security Solutions

www.sicpa.com  
security.solutions@sicpa.com



### TAX, P, SW, TAG, GP, EL

Av de Florissant 41, 1008 Prilly – Switzerland

Tel. +41 21 627 61 55

*At the core of SICPA's security expertise are high-performance security inks that protect the majority of the world's banknotes, security documents and value documents from the threats of counterfeiting and fraud. SICPA's Government Security Solutions division enables Governments to protect tax revenues and deliver associated policy objectives by providing unique and secure authentication and traceability solutions. SICPATRACE® combines material based security with state-of-the-art information technology which enables our partner Governments to secure revenue and protect consumers. As pioneers in this field, we are the only industry independent company to have successfully implemented and operated state and national level track and trace solutions exclusively dedicated to Governments.*

## Tagsys

www.tagsysrfid.com  
info@tagsysrfid.com

### LUX, P, RF, MR, HC, EL

31006 W. 9th Avenue, Suite 30, King of Prussia, PA 19406 – USA

Tel. +1 267 882 4800

*Tagsys Radio Frequency IDentification (RFID) systems are currently being used to track and trace millions of individual items — from drugs to library books to fashion apparel and luxury goods. Our integrated systems automate business processes, enable real-time supply chain strategies, and safeguard goods with new solutions to improve supply chain efficiencies, while helping combating brand theft and counterfeit.*

## U-NICA Group

www.u-nica.com  
group@u-nica.com



### TAX, SD, LUX, P, C, H, SP, SW, TAG, GP, MR, HC, EL

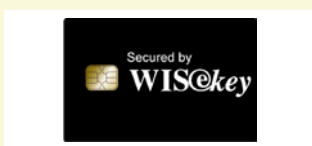
Industriestrasse 4, 7208 Malans – Switzerland

Tel. +41 41 919 99 00

*As leading specialist for innovative security solutions, U-NICA offers holographic features for plastic products, security taggants and digital solutions that allow product authentication with common smart phones to the industrial and commercial sectors. Governments trust U-NICA's intelligent inks for currencies and value documents. We also provide an ID protection system that securely links personalized text with the bearer's picture, for verification with a smart phone or passport reader. Operating from locations in Europe, USA and Asia, absolute reliability, confidentiality and discretion is guaranteed.*

## WISeKey

www.wiseauthentic.com  
sales@wisekey.com



### SD, LUX, P, SW, GP, MR, HC, EL

World Trade Center II, 29, Route de Pré-Bois, P.O. Box 853, CH- 1215 Genève 15 – Switzerland

Tel. : +41 22 594 30 00

*WISeKey developed with an innovative technology solution suite, already implemented at several prestigious luxury brands. Based upon the digital certification, WISeAuthentic is a three in one solution suite that provides: Brand protection, Sellout management and Real Time Monitoring, and Direct marketing through a private Social CRM. The end-client can easily check the authenticity on the web or on its mobile with contactless secure NFC, a marketing link to deliver information and bound with consumers. Remotely control any item already sold.*

## LEGENDA

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