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

The selection of companies is based on the opinion of the Global Identification editorial team. Please send comments and suggestions to idpublications@onpublishing.com
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.
<table>
<thead>
<tr>
<th>Target/Product</th>
<th>Technology</th>
<th>Sector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tax stamps</td>
<td>16x cards &amp; secure docs</td>
<td>Jewelry &amp; luxury goods</td>
</tr>
<tr>
<td>Advanced Track &amp; Trace</td>
<td><a href="http://www.att-fr.com">www.att-fr.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Alien Technology</td>
<td><a href="http://www.alientechnology.com">www.alientechnology.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Alp Vision</td>
<td><a href="http://www.alpvision.com">www.alpvision.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Applied DNA Sciences</td>
<td><a href="http://www.adnas.com">www.adnas.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>ATL Security Label Systems</td>
<td><a href="http://www.atlco.com">www.atlco.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Atlantic Zeiser</td>
<td><a href="http://www.atlanticzeiser.com">www.atlanticzeiser.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Authentix</td>
<td><a href="http://www.authentix.com">www.authentix.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Avery Dennison RFID</td>
<td><a href="http://www.rfid.averydennison.com">www.rfid.averydennison.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Datamax-O’Neil</td>
<td><a href="http://www.datamax-oneil.com">www.datamax-oneil.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>DSS</td>
<td><a href="http://www.dsssecure.com">www.dsssecure.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Dupont Authentication Systems</td>
<td>www2.dupont.com</td>
<td>✓</td>
</tr>
<tr>
<td>EDAPS</td>
<td><a href="http://www.edaps.ua">www.edaps.ua</a></td>
<td>✓</td>
</tr>
<tr>
<td>EM Microelectronic</td>
<td><a href="http://www.emmicroelectronic.com">www.emmicroelectronic.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>FNMT - RCM</td>
<td><a href="http://www.fnmt.es/smart_cards">www.fnmt.es/smart_cards</a></td>
<td>✓</td>
</tr>
<tr>
<td>Giesecke &amp; Devrient (G&amp;D)</td>
<td><a href="http://www.gi-de.com">www.gi-de.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>IAI</td>
<td><a href="http://www.iai.nl">www.iai.nl</a></td>
<td>✓</td>
</tr>
<tr>
<td>Impinj</td>
<td><a href="http://www.impinj.com">www.impinj.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>InkSure Technologies</td>
<td><a href="http://www.inksure.com">www.inksure.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Microtag Temed</td>
<td><a href="http://www.microtag-temed.com">www.microtag-temed.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Morpho</td>
<td><a href="http://www.morpho.com">www.morpho.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Prooftag</td>
<td><a href="http://www.prooftag.net">www.prooftag.net</a></td>
<td>✓</td>
</tr>
<tr>
<td>Schreiner ProSecure</td>
<td><a href="http://www.schreiner-prosecure.com">www.schreiner-prosecure.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Securikett Ulrich &amp; Horn</td>
<td><a href="http://www.securikett.com">www.securikett.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>SICPA Security Solutions</td>
<td><a href="http://www.sicpa.com">www.sicpa.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>Tagsys</td>
<td><a href="http://www.tagsysrfid.com">www.tagsysrfid.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>U-NICA Group</td>
<td><a href="http://www.u-nica.com">www.u-nica.com</a></td>
<td>✓</td>
</tr>
<tr>
<td>WISEKey</td>
<td><a href="http://www.wiseauthentic.com">www.wiseauthentic.com</a></td>
<td>✓</td>
</tr>
</tbody>
</table>
## ANTI-COUNTERFEITING TOP 25

### Applied DNA Sciences
**LUX, P, SW, 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
**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.

### Alp Vision
**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.

### Alien Technology
**LUX, P, RF, MR, HC, EL**  
18220 Butterfield Blvd. Morgan Hill CA 95037 – USA  
Tel. +1 408-782-3900

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.

### Advanced Track & Trace
**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.
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.

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 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 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.
## ANTI-COUNTERFEITING TOP 25

<table>
<thead>
<tr>
<th>Company</th>
<th>Website/Contact Information</th>
<th>Address/Location</th>
<th>Phone</th>
<th>Services and Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Document Security Systems, Inc.</strong></td>
<td>DSSsecure.com</td>
<td>28 Main Street East, 15th Floor, Rochester, NY 14614 – USA</td>
<td>+1 585 325 3610</td>
<td>Comprehensive, component-based system protecting brands in four ways: point authentication tool, product locator service, e-commerce verification, and customer connectivity capabilities. Includes AuthentiSite and AuthentiGuard.</td>
</tr>
<tr>
<td><strong>DuPont Authentication Systems</strong></td>
<td>www2.dupont.com</td>
<td>Wilmington, DE – USA</td>
<td>+1-800-998-5775</td>
<td>Market-leading brand protection programs, anti-counterfeit solutions, and document security systems to safeguard the world’s largest brands and government organizations from counterfeiting.</td>
</tr>
<tr>
<td><strong>EDAPS</strong></td>
<td><a href="http://www.edaps.ua">www.edaps.ua</a></td>
<td>64 Lenina Str., Kyiv 02088 – Ukraine</td>
<td>+38 044 561 25 90</td>
<td>EDAPS anti-counterfeiting technologies secure documents of various types and products, including ID documents, medicine, audio-visual goods, tobacco goods, alcohol drinks, jewelry items, and many other goods in over 40 countries.</td>
</tr>
<tr>
<td><strong>FNMT - RCM</strong></td>
<td><a href="http://www.fnmt.es/smart_cards">www.fnmt.es/smart_cards</a></td>
<td>Jorge Juan 106, 28009 Madrid – Spain</td>
<td>+34 91 566 67 39</td>
<td>For over two decades, FNMT has been working with public and private organizations, providing custom-made solutions, designing and manufacturing documents incorporating advanced security measures. Specializes in security paper manufacturing, printing of banknotes, postage stamps, security labels, identification documents, passports, minting of coins, and development and manufacturing of smart cards and electronic certificates.</td>
</tr>
</tbody>
</table>
Giesecke & Devrient (G&D)
www.gi-de.com
security-printing@gi-de.com

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

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

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

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.

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
<table>
<thead>
<tr>
<th>Company</th>
<th>Services</th>
<th>Address</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>MicroTag Temed</td>
<td>LUX, RF, TAG, SW, MF, EL</td>
<td>Rotem Industrial Park, Arava 86800 – Israel</td>
<td>Tel. +972 4 837 2288</td>
</tr>
<tr>
<td>Morpho</td>
<td>SD, B, GP</td>
<td>Le Ponant Paris 27, rue Leblanc Paris Cedex 1575512 – France</td>
<td>Tel. +33 (0) 1 58 11 89 62</td>
</tr>
<tr>
<td>Prooftag</td>
<td>TAX, SD, LUX, P, SP, SW, TAG, GP, HC, EL</td>
<td>1100, Avenue de l’Europe, F-82 000 Montauban – France</td>
<td>Tel. +33 5 63 21 10 50</td>
</tr>
<tr>
<td>Schreiner ProSecure</td>
<td>SD, P, RF, H, SP, TAG, GP, MR, HC, EL</td>
<td>Bruckmannring 22, 85764 Oberschleissheim – Germany</td>
<td>Tel. +49 89 31584-5985</td>
</tr>
<tr>
<td>Securikett Ulrich &amp; Horn GmbH</td>
<td>TAX, LUX, P, RF, H, SP, SW, TAG, GP, MR, HC, EL</td>
<td>Strasse 10, Objekt 48, 2355 Wiener Neudorf – Austria</td>
<td>Tel. +43 2236 677925</td>
</tr>
</tbody>
</table>

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 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 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, 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 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.
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**

**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