

ID WORLD

THE PLAYERS OF THE AUTO ID INDUSTRY

CARDS

**2013
BUYER'S
GUIDE**

Atlantic Zeiser

Increasing efficiency, brand value and quality in the production and logistics supply chains



Atlantic Zeiser helps industrial customers to increase the cost efficiency, brand value and quality of their products within the production and logistics chain. The company achieves this by employing highly efficient digital solutions for the printing and coding of frequently changing content on such products. Atlantic Zeiser specializes in digital printing on challenging substrates, i.e. with low adhesion capacity for print colors, while delivering offset-like quality and production speed. In the three segments Digital Printing & Coding Solutions, Card Systems and Banknote & Security Printing Systems, the company develops, manufactures and distributes technologies as well as integrated solutions for industrial producers throughout the world. Atlantic Zeiser supports its customers through nine subsidiaries as well as distribution and support offices in some 50 countries.

Atlantic Zeiser's clients include security printers of bank notes, passports and ID documents; card pro-

ducers for telephone, debit and gift cards; labels and packaging printers; as well as brand owners and manufacturers of high-quality goods, electronic components, pharmaceutical products and fast moving consumer goods (FMCG).

Atlantic Zeiser currently employs around 400 staff worldwide, including 270 at its corporate headquarters in Emmingen. The Group records an annual turnover of approximately 65 million euros.



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Datacard Group

Higher Security – Greater Efficiency – Lower Risk



Datacard Group collaborates with customers to create highly secure financial card programs and government ID initiatives. We bring unmatched experience and expertise to every engagement, including industry best practices and a deep understanding of complex operational issues. All of this enables Datacard to deliver innovative solutions and services that help customers address critical challenges.

Datacard made secure, high-volume issuance of credit cards possible more than 40 years ago when we introduced the first high-speed card personalization system. Today, we continue to develop patented technologies that help customers improve productivity, profitability and cardholder satisfaction.

Our portfolio supports high-volume and instant card issuance, secure credential issuance and management, passport production, delivery, fulfillment and packaging. We combine hardware, software and supplies using an integrated approach that increases security, enhances

quality and reduces total cost of ownership. We also provide expert service and support.

Building on a 40-year heritage of customer success, Datacard remains the industry's best selling brand of secure ID and card personalization solutions. Every day, these solutions are used to personalize and deliver more than 10 million cards and five million smart cards, including more than 90 percent of the world's payment cards.



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Pioneering new technologies in government identity solutions

De La Rue is the world's largest commercial security printer and papermaker, involved in the production of over 150 national currencies and a wide range of security documents such as passports, authentication labels and fiscal stamps. The company is a leading provider of cash sorting equipment and software solutions to central banks, helping them to reduce the cost of handling cash. De La Rue also pioneers new technologies in government identity solutions for national identification, driver's license and passport issuing schemes. De La Rue employs approximately

4,000 people worldwide and is a member of the FTSE 250. Its ordinary shares are listed with the UK Listing Authority and trade on the market for listed securities on the London Stock Exchange under the symbol DLAR.

De La Rue's principal business operations are in Currency, Cash Processing Solutions (CPS), Security Products and Identity Systems (IDS). The company has manufacturing facilities in 18 locations across Africa, Asia, CIS, Europe and North America.



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At the heart of the evolving digital society for mobile connectivity, identity and data protection, e-government and national security

Gemalto is at the heart of our evolving digital society. The freedom to communicate, travel, shop, bank, entertain, and work – anytime, anywhere – has become an integral part of what people want and expect, in ways that are convenient, enjoyable and secure.

Gemalto delivers on the growing demands of billions of people worldwide for mobile connectivity, identity and data protection, credit card safety, health and transportation services, e-government and national security. The company does this by supplying govern-

ments, wireless operators, banks and enterprises a wide range of secure personal devices, such as subscriber identification modules (SIM), Universal Integrated Circuit Card (UICC) in mobile phones, smart banking cards, smart card access badges, electronic passports and USB tokens for online identity protection. Moreover Gemalto delivers on emerging applications related to the 'Internet of things' by supplying wireless modules and machine identification modules (MIM) for machine-to-machine communication. To complete these solutions, the company also provides software, systems and services to help customers achieve their goals.

Gemalto is a world leader in digital security with over 10,000 employees operating out of 75 offices, research and service centers in 41 countries.



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Ingenico

A leading provider of payment solutions for retailers, banks and service providers



With over 17 million terminals deployed in more than 125 countries, Ingenico is a leading provider of payment solutions. Its 3,600 employees worldwide support retailers, banks and service providers to optimize and secure their electronic payments solutions, develop their offer of services and increase their point of sales revenue. A complete and inclusive One Stop Shop offer of secure transaction solutions.

Ingenico is the partner of choice for financial institutions, banks, major retailers and single shop outlets worldwide. The company provides retail and single outlet operators with a "One Stop Shop" offer of secure transaction solutions.

This offer combines, payment terminals and terminal estate management, payment applications (local, international, debit, credit), connectivity, routing, acquisitions (when required), as well as value-added services (money transfers, mobile phone top-ups, loyalty card and credit card management, payment of fines, bills etc).

Ingenico's secure transaction solution is complete and inclusive, whatever the sales channel used by retailers: payment at points of sale, over the Internet, or by mobile telephone. Based on a completely new range of terminals designed to take full advantage of service offers, it includes a complete portfolio of applications (payment and non-payment) and value-added services run internally or through a partner network.



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Legic Identsystems

The expert for contactless people identification



We design and provide core components for ID applications from access control, time & attendance and cashless payment through to biometrics, loyalty and eTicketing. The LEGIC core components include transponder and reader chips as well as software & services for easy management of rights and applications. We also provide consultancy for end users and comprehensive support for our license partners. Our open technology platform supports all common smart card standards and enables solutions tailored to individual needs using credentials such as RFID tags, contactless chip cards or NFC smartphones. The unique flexibility of the LEGIC technology platform allows the combination of various applications on one credential. Our customers are application developers, reader and credential manufacturers and system integrators as well as end users. Using LEGIC core components, they achieve the highest standards for flexible and multi-functional people identification.

Since 1992, we are driven by the vision to enhance a secure and simpler everyday life for people and organisations. That is why over 250 specialists in the LEGIC partner network collaborate closely on a wide range of ID systems and applications. Currently, more than 3 million readers and over 150 million credentials based on the LEGIC technology platform are successfully deployed across more than 100,000 companies and institutions worldwide. Every day 150 million people identify themselves using LEGIC core components. Identify with us too.



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Your reliable machinery partner in innovative ID-Projects

Melzer's modular machines are used to manufacture highly precise and very sophisticated multi-layer products for the pharmaceutical, automotive, telecommunication, microelectronic, public transport, printing and many other industries. Specifically, machines for the production of plastic cards, smart cards, RFID cards and inlays, e-NID cards, e-passports and e-visa-stickers complete Melzer's range of products.

The only industrial production process offers all



advantages to meet the increasing challenges in respect to accuracy, material handling, security processes and lamination parameters. The fully automatic production including collation, lamination, punching and testing of the cards can be achieved with only little demand of staff, minimum space and energy consumption of the equipment.

Another field of activity for Melzer is equipment for the production of smart labels, smart tickets and smart tags, i.e. for the RFID paper converting market. With the company's patented production technology, a Melzer machine is capable of producing up to 150 Million tested products per year.

Melzer's worldwide success is the motivation to continuously improve quality, reliability and cost-effectiveness of its products, while achieving higher levels of performance. Anticipating the latest developments and doing whatever it takes to serve customer's needs is Melzer's mission.

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Mühlbauer Group

Offering complete transfer of technology and expertise, starting with data collection, production, through to fully automatic access control

The Mühlbauer Group is a leading international technology and system partner for innovative Smart Card and ePassport projects. Mühlbauer is the only company in the world that offers its customers the complete transfer of technology and expertise, starting with data collection, the production, through to fully automatic access control systems, all from a single source.

As leader for the contactless identification of goods and flows of goods, Mühlbauer supplies the complete



Smart Label factory for the production of RFID Smart Labels for the security, supply and textile industries and for retail.

The company also develops and produces innovative systems for specific niche applications in the semiconductor backend area, automation solutions, label and marking systems for the traceability of electronic components, as well as precision parts for sensitive industries and the company's own products.

The company employs over 2,200 employees, technology centers in Germany, Malaysia, the USA and Slovakia, as well as a global sales and service network.

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NBS Technologies

Designing and manufacturing card personalization solutions and related products and services for card issuers of all volume sizes



The NBS Technologies Smart Card Solutions division designs, develops and manufactures card personalization equipment, software, etc. and related products and services for card issuers of all volume sizes in a variety of applications including contact cards, contactless cards, smart objects, EMV / chip card migration & compliance — everything you expect from a smart card industry leader.

Our solutions address all ranges of card personalization requirements and focuses on the Financial EMV/Chip Card, GSM/Telecom, Government/Secure ID, Healthcare/Insurance, Corporate, etc. markets worldwide. NBS products can be found in many card production environments. From the local fitness club printing membership cards, to the central producer of brand name credit cards, NBS is there.

NBS answers the needs of our card customers – big or small by achieving leadership in the cost per card

and ownership arenas... where it counts the most. Major card markets include corporate, education, financial, government, healthcare, loyalty & rewards, casino & gaming, service bureau, telecom and transit.

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NagraID • Kudelski Group

A leader in tailor-made, multi-application smart card solutions



NagraID (Switzerland), offers tailor made products and value-added solutions, services and transfer technologies for citizens ID's, corporate ID's, financial and e-Consumers ID's markets.

NagraID's advanced technologies and product families are the results of 35 years of experience in micro-electronic product development, including 20 years in secure contactless technologies, multiple patents and engineering processes crowned by Swiss high precision, quality methodologies and heritage.

Our goal is to provide to selected Partners and Customers the best technologies & solutions to increase their add value proposition and to help them to ensure future business and grow...

The Nagra ID "e-Service Display card" is the last generation of Secure Identity Documents that provides to Governments, citizens, corporations and e-Consumers a higher visible security, greater userfriendliness

and the best privacy protection.

NagraID is certified by Mastercard and VISA for bank card production and personalisation.

NagraID is ISO 9001:2008 certified.

Established in 1976, NagraID joined the Kudelski Group in 2001. Our headquarters are located in La Chaux-de-Fonds (Switzerland), the cradle of the world's watchmaking industry.

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Leader in the field of secure technologies through innovation and excellence

Oberthur Technologies is a world leader in the field of secure technologies. Innovation and excellence ensure Oberthur Technologies' strong positioning in its main target markets:

Card Systems: World's second largest provider of security and identification solutions and services based on smart card technologies for mobile, payment, transport, digital TV and convergence markets.

Identity: A world leader in the manufacture of tradi-



tional and electronic secure identity documents. We are also a system integrator and a specialist in know-how transfer - census, personalisation platforms implementation and identity data management.

Security printing: World's third largest private security printer specialized in the production of banknotes, checks and numerous security documents in more than fifty countries.

Cash protection: World leader in design and manufacture of intelligent cash protection solutions for C.I.T. (Cash In Transit) companies, ATM manufacturers and owners, retailers, post offices and banks.

Close to its customers, Oberthur Technologies benefits from an industrial and commercial presence across all five continents.



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Trüb

A comprehensive portfolio of secure identity documents, payment cards, solutions and services

Trüb is one of the world's leading providers of identity cards and travel documents on a high security and quality level. The product portfolio includes national identity cards and residence permits, datapages for passports, driving licenses and tachograph cards.

Trüb has developed the Swiss identity card which was launched in 1995 as the world's first national identity card made from polycarbonate. Other pioneering projects include the e-identity documents for Estonia and Hong Kong launched in 2003.



Trüb has been producing payment card solutions for financial institutions, corporations and the retail sector since the beginning of the 1970s.

CombOS®, the EMV compliant chip operating system developed by Trüb, supports multifunctional solutions with VISA or MasterCard payment applications which can include further functionalities such as loyalty or ticketing. Trüb provides contact, contactless and dual interface chip and antenna solutions. In Switzerland, Trüb is the market leader for comprehensive banking card solutions, whereby CombOS® is widely adopted. In the global arena, CombOS® solutions are provided via certified partners.

Products and solutions from the Trüb group are used in more than 70 countries.

tru/window™ LOCK
a new dimension in photo-protection for polycarbonate identity documents



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| ABnote www.abnote.com | MF -C, RFID, NFC -C (MG, CM, SM, CL, FP), M (SL), TAG (RF<HF>) 2200 Fletcher Avenue,07024 Fort Lee,NJ,Usa | Tel. 1/201/592/3400 | Fax 1/201/224/2762 |
| ActivIdentity (HID) www.actividentity.com | MF, SH -C -C (SM), R(HH), T (HH), SW 6623 Dumbarton Circle,94555 Fremont,CA,Usa | Tel. 1/510/5740100 | Fax 1/510/5740101 |
| AEG Identifikationssysteme www.aegid.de | MF, SI -C, RFID -C (MG, CM, SM, CL, OPT), M (L, SL, TTR, I) TAG (RF<LF, HF, UHF>), IC, A, P (POS) R (HH, FX, RF, I), RF, EP, GP Hörvelsinger Weg 47,89081 Ulm,Germany | Tel. 49/7/3114/00880 | Fax 49/7/3114/0088/9000 |
| Alp Vision www.alpvision.com | SH, SI - C, DC - SW, M (MK, VF) Rue du clos 12, 1800 Vevey – Switzerland | Tel. 41/ 21 948 6464 | |
| Arjowiggins Security www.integrale-solutions.com | SH, SI -C -IC, C (MG, CM, SM, CL, FP), R (HH, FX, RF), T (HH, FX, RF, FP, IF, FF, VF), EP, GP, MC, SW Le marais,77320 Jouy sur Morin,France | Tel. 33/164756984 | Fax 33/164203795 |
| ARM www.arm.com | MF -C -IC 110 Fulbourn Road,CB1-9NJ Cambridge,UK | Tel. 44/1223/400400 | Fax 44/1223/400410 |
| ASK www.ask-rfid.com | MF -C, RFID -C (CL), M (SL), TAG (RF<HF, UHF>), P (HH), R (HH) 2260 route des Crêtes, BP337,06906 Sophia-Antipolis,France | Tel. 33/4/97214000 | Fax 33/4/92389321 |
| Atlantic Zeiser www.atlanticzeiser.com | MF, SI, SH -C, RFID -M (L, SL), C (MG, CM, SM, CL, FP), TAG (MK, RF<HF,UHF>), P (I), R (RF), SW, EP, GP, MC, MV Bogenstraße 6-8,78576 Emmingen,Germany | Tel. 49/7465/2910 | Fax 49/7465/291166 |
| Atmel www.atmel.com | MF -RFID -IC (CL, RF<LF, HF, UHF, MW>) 2325 Orchard Parkway,95131 San Jose,CA,Usa | Tel. 1/408/4410311 | Fax 1/408/4364200 |
| Atos Worldline www.atosworldline.be | MF -C -T(POS, HH) 1442 Chaussée de Haecht,1130 Bruxelles,Belgium | Tel. 32/2/727/6111 | Fax 32/2/727/6767 |
| Austria Card www.austriacard.at | MF, SH -C -C (MG, CM, SM, CL), M (L, H), A, SW, EP, GP Lamezanstrasse 4-8 ,1230 Vienna ,Austria | Tel. 43/1/610650 | Fax 43/1/61065701 |
| Axcess International www.axcessinc.com | MF, SI -RFID, C -TAG (RF), R, SW 3208 Commander Drive,75006 Carrollton,TX,Usa | Tel. 1/972/4076080 | Fax 1/972/4079085 |
| Bell ID BV www.bellid.com | SH -C -SW Stationsplein 45 - Unit A6.002,3013 AK Rotterdam,The Netherlands | Tel. 31/10/885/1010 | Fax 31/10/885/1011 |
| BioLink Solutions www.biolinksolutions.com | MF, SI -B, C -C (FP), S, SW PO Box 404, _/_ _ IPS, 511 Avenue of the Americas, PMB 572,10011 New York,NY,Usa | | |
| Blumer Maschinenbau www.blumerag.com | MF -C -MC Libernstrasse 22,8112 Otelfingen,Switzerland | Tel. 41/1/8476565 | Fax 41/1/8476566 |
| Böwe Cardtec www.boewe-cardtec.com | MF -C -MC, SW Balhorne Feld 28 ,33106 Paderborn,Germany | Tel. 49/5251/180860 | Fax 49/5251/1808699 |
| Bundesdruckerei www.bundesdruckerei.de | MF, SI, D, SH -C, B -C (SM, CL, FP), P, R (HH, FX), T (FP, FP, FF, VF), SW, EP, GP Oranienstrasse 91,10969 Berlin,Germany | Tel. 49/30/25980 | Fax 49/30/25982205 |

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| CardLogix www.cardlogix.com | MF, SH -C -C (MG, CM, S, CL), P (I), T (POS), SW 16 Hughes, Suite 100,92618 Irvine,CA,U.S.A. | Tel. 1/949/380/1312 | Fax 1/949/380/1428 |
| CodeCiphers www.codeciphers.com | MF, SH -B, C -C (CL) B, IC Rua Bogaert 107 Villa Vernehl,04298-020 Sao Paulo,Brazil | Tel. 55/11/2175/1106 | Fax 55/11/2175/1171 |
| Cogent Systems, 3M www.cogentsystems.com | MF -B, C, RFID, BC -C (MG, CM, SM, CL, OPT, FP), TAG (RF <HF>) R (HH, FX), S (FX POS, I) T (HH, FX, RF, I, BC, FP, IF, FF), SW, EP 639 N. Rosemead Blvd.,91107 Pasadena,CA,Usa | Tel. 1/626/325/9600 | Fax 1/626/325/9700 |
| Comercial Arqué www.arque.com | VAR -C, RFID, BC -C (MG, CL), TAG (RF<HF, UHF>), A, P (I, TTR) Carretera del Mig. No 54, L'Hospitalet de Llobregat,8907 Barcelona,Spain | Tel. 34/932635100 | Fax 34/933372690 |
| Confidex www.confidex.com | MF -RFID, NFC -TAG (RF<HF, UHF>), I, M (SL), C (CL) Haarlankatu 1B,33230 ,Finland | Tel. 358/10/4244 100 | Fax 358/10/4244 110 |
| Cryptomathic www.cryptomathic.com | SH, SI -C -SW 327 Cambridge Science Park, Milton Road,CB4 0WG Cambridge,UK | Tel. 44/1223/225350 | Fax 44/1223/225351 |
| Dartagnan BV www.dartagnan.eu | SI, SH -C, B, RFID -C (SM, CL), R (RF), T (RF, FP, IF, FF, VF), SW Triport 3, Westelijke Randweg 51,1118 CR Luchthaven Schiphol,The Netherlands | Tel. 31/20/405/4149 | Fax 31/20/405/4171 |
| Databac Group www.databac.com | MF, SH, SI, VAR, D -C, RFID, B -C (MG, CM, SM, CL, OPT, FP), M (L, SL, TTR, H, I), TAG (RF<HF>), P (TTR), R (HH, FX, RF), S (HH, POS), T (HH, RF, BC, FP, IF, VF), VR, SW, EP, GP Number One, The Ashway Centre, Elm Crescent,KT2 6HH Kingston, Surrey,UK | Tel. 44/208/546/9826 | Fax 44/208/547126 |
| Datacard Group www.datacard.com | MF -C -C (CM, SM, CL, FP), EP Forum 3, Solent Business Park,PO15 7FH Whiteley,Fareham,UK | Tel. 44/1489/555600 | Fax 44/1489/555601 |
| Datastrip www.datastrip.com | MF -B, BC -R (HH), T (FP) 7 Thame Park Business Centre, Wenman Road,OX9 3XA Thame, Oxfordshire,UK | Tel. 44/1844/215668 | Fax 44/1844/215669 |
| De La Rue Identity Systems www.delarue.com | MF, SI -C -C (CM, CL, SM, FP), SW De La Rue House, Jays Close,RG22 4BS Basingstoke,UK | Tel. 44/1256/605000 | Fax 44/1256/605004 |

LEGENDA

ROLE IN THE VALUE CHAIN

D = Distributor
MF = Manufacturer
SH = Software House
SI = System Integrator
VAR = Value Added Reseller

TECHNOLOGIES

B = Biometrics
BC = Barcode
C = Cards
DC = Data Collection
NFC = Near Field Comm.
RFID = Radio Frequency
Identification Device
RTLS = Real Time Loc. System


PRODUCT CATEGORIES

A = Antenna
C = Cards
EP = Electronic Personalization
GP = Graphic Personalization
IC = Integrated Circuits
M = Media
MC = Machinery
MV = Machine Vision
P = Printers
R = Readers
S = Scanners
SW = Software
T = Terminals
TAG = Tags
VR = Voice Recognition

PRODUCT SPECIFICATIONS

BT = Batch
BC = Barcode
CL = Contactless
CM = Contact Memory
CMA = Card Materials
CP = Compact
DNA = DNA
EAS = Electronic Art. Surveillance
FF = Facial Feature
FP = Fingerprint
FX = Fixed
H = Holograms
HF = High Frequency
HG = Hand Geometry
HH = Handheld
I = Industrial

IF = Iris Feature
L = Labels
LF = Low Frequency
MG = Magnetic
MK = Marking
MW = Microwave
OCR = Optical Char. Recognition
OPT = Optical
POS = Point of Sale
RF = Radio Frequency
SL = Smart Labels
SM = Smart
TTR = Thermal Transfer Ribbon
UHF = Ultra High Frequency
VF = Verifier
VT = Vehicle Terminal

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| Deister Electronic www.deister.com | MF -C, RFID -C (CL), TAG (RF<LF, HF, UHF>), R (HH, FX, RF, I), T (RF) Hermann-Bahlsen-Str. 11,30890 Barsinghausen,Germany | Tel. 49/5105/516111 | Fax 49/5105/516217 |
| Dermalog Identification System www.dermalog.com | MF, SH, SI, VAR, D -B, C, RFID, BC -C (CM, SM, CL, OPT, FP), TAG (RF<HF>), A, R (HH, FX, RF, I), S (HH, FX, POS, I), T (HH, RF, BC, FP), SW Mittelweg 120,20148 Hamburg,Germany | Tel. 49/40/4132270 | Fax 49/40/41322789 |
|  | Dermalog Identification Systems is the largest German biometrics manufacturer and one of the world leaders in fingerprint biometrics. It has a high level team of scientists and IT knowledge team working continuously on new innovative products. Its product range includes highly advanced biometric border checkpoint systems, secure biometric ID cards, and the new "FingerPayment" system. | | |
| Digital Identification Solutions www.digital-identification.com | MF, SH, SI -C, B -C (CM, CL, SM, MG, OPT, FP), M (TTR, H, I), P (CP, I, TTR), EP, GP, SW, MC Teckstrasse 52,73734 Esslingen,Germany | Tel. 49/711/3416890 | Fax 49/711/341689550 |
| Diletta Maschinentechnik www.diletta.com | MF -C, RFID -C (CL), P (I), GPx, EP, MC Industriestrasse 25-27, Nauheim, Germany | Tel. 49/6152/18040 | Fax 49/6152/180422 |
|  | For more than five decades DILETTA has been engaged in producing identity products and security systems for governments and other national institutions. DILETTA offers complete systems for centralized and decentralized personalization of high security travel documents which support all safety criteria, contactless chip technology and machine readable features. With over 30, 000 installations in more than 100 countries we have gathered an amazing expertise and ample experience. | | |
| Edaps Consortium www.edaps.biz | MF -C -C (MG, CM, SM, CL), M (L, H) 64, Lenina Str.,02088 Kiev,Ukraine | Tel. 38/044/5612590 | Fax 38/044/5612585 |
| Elatec www.elatec-rfid.com | MF -C, RFID -C (CM, SM, CL), M (L, SL, I), TAG (RF<LF, HF, UHF, MW>), R (HH, FX, RF, I), SW Max-Planck-Str. 16,82223 Eichenau,Germany | Tel. 49/8141/534980 | Fax 49/8141/5349829 |
| Elyctis www.elyctis.fr | MF, SH - C, RFID - R (RF, HH, FX, CL, OCR), SW 240 rue François Gernelle, 84120 Pertuis – France | Tel. 33 /6 27 71 37 68 | |
| EMJ Data Systems www.emj.ca | D -BC, DC, C, RFID, B -C (MG, CM, SM, FP), M (L, TTR, H), A, P (CP, I, TTR), R (HH, FX, I), S (HH, FX, POS, I), T (HH, FX, RF, I, BT, BC, FP, VT) 7067 Wellington Road. 124, RR6,N1H 6J3 Guelph,ON,Canada | Tel. 1/800/265/7212 | Fax 1/877/801/6300 |
| Evolis www.evolis.com | MF -C, RFID -C (MG, CM, SM, CL), M (TTR, H), TAG (RF <LF, HF, UHF, MW>), P (CP, I, TTR, POS), T (POS), SW, EP, GP 14 avenue de la Fontaine ,49070 Beaucauze,France | Tel. 33/2/41367606 | Fax 33/2/41367612 |
| Exceet Group www.exceet.ch | MF -C, RFID -C (CM, CL, SM), R (HH), TAG (RF <LF, HF, UHF, MW>) Marktplatz 4,CH-9004 St. Gallen,Switzerland | Tel. 41/4179848/56 | |
| Fargo Electronics www.fargo.com | MF -C -P (CP, I, TTR), C (MG, CM, SM, CL) 6533, Flying ClouD Drive,55344 Eden Prairie,MN,Usa | Tel. 1/952/9419470 | Fax 1/952/9417836 |
| Fastcards www.fastcards.com.au | MF, SH -C, BC, RFID, B -C (MG, CM, SM, CL) PO Box 3888,4101 South Brisbane,QLd,Australia | Tel. 61/7/38444623 | Fax 61/7/38464591 |
| Fingerprint Cards AB www.fingerprints.com | MF -B -IC, T (FP), C (FP), SW P O Box 2412 (Kungsportsplatsen 2),403 16 Gothenburg,Sweden | Tel. 46/31/607820 | Fax 46/31/137385 |

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| FobaLaserMarking + Engraving(Alltech) www.fobalaser.com | MF -C, DC -MC, TAG (MK), MV An der Trave 27-31,23923 Selmsdorf,Germany | Tel. 49/38823/550 | Fax 49/38823/55222 |
| Fortress GB www.fortressgb.com | SI -RFID, C -C (SM, CL, FP),TAG (RF<HF>), T (HH, FX, RF, HG, POS), SW South Block, Tavinstock Square, Tavinstock House,WC1H 9LG London,UK | Tel. 44/20/7874/7595 | Fax 44/7874/7599 |
| Gemalto www.gemalto.com/govt | MF -C -C (CM, SM, CL), EP, GP,T (HH, POS), R (FX, HH), SW 6, rue de la Verrerie,92127 Meudon Cedex,France | Tel. 33/1/5501/50 00 | |
| GET Group www.getgroup.com | SI - C - P (CL, CM, VF) 230 Third Avenue, Waltham, MA 02451 – USA | Tel. 1 /781 890-6700 | Fax 1/781 890-6320 |
| Giesecke & Devrient www.gi-de.com | MF, SI -C, B, NFC, RFID -C (SM, CL, FP), M (H), IC, P (CP, I), R (FX),T (FX, BC, FP, FF), EP, GP Prinzregentenstrasse 159,81677 Munich,Germany | Tel. 49/89/41190 | Fax 49/89/41191535 |
| HID Global www.hidglobal.com | MF -C, RFID -C (MG, CM, SM, CL), M (SM),TAG (RF<LF, HF>), A, R (RF), GP, EP 15370 Barranca Pkwy,92618 Irvine,CA,Usa | Tel. 1/949/732/2000 | Fax 1/949/732/2120 |
| Hirsch Electronics www.hirschelectronics.com | MF -B, C, RFID -C (MG, CM, SM, CL, OPT, FP), TAG (RF<LF, HF, MW>), R (HH, FX, RF, I),T (HH, FX, RF, I, BC, FP, IF, VT, VF), SW, EP, GP 1900-B Carnegie Ave.,92705 Santa Ana,CA,Usa | Tel. 1/949/250/8888 | Fax 1/949/250/7372 |
| HJP Consulting www.hjp-consulting.com | SH, SI -C, RFID -SW Hauptstraße 35,33178 Borchten,Germany | Tel. 49/5251/417760 | Fax 49/5251/4177666 |
| Honeywell Access Systems www.honeywellaccess.com | MF, SH -RFID, B -C (MG, CM, SM, CL, FP), M (TTR, H), P (TTR), R (HH, RF), S (HH) 2700 Blankenbaker Pkwy, Suite 150,40291 Louisville,KY,Usa | Tel. 1/800/6753364 | Fax 1/502/2975770 |
| IAI industrial systems B.V. www.iai.nl | MF -C -C (CM), MC, EP, GP P.O. Box 200,5500 AE Veldhoven,The Netherlands | Tel. 31/40/2542445 | Fax 31/40/2545635 |
| Identitas www.identitas.it | D -C, B -C (CM, SM, OPT), T (FP), GP, EP Via Tiburtina 912,00156 Rome,Italy | Tel. 39/06/4072199 | Fax 39/06/4086199 |

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| Identive Group www.identive-infrastructure.com | MF-RFID, NFC – C (CM, SM, CL), NFC – R (HH, FX, RF), T (HH, FX, RF), Identive GmbH, Oskar-Messter-Str. 13, 85737 Ismaning, Germany, Tel. 49/89/95955000 Fax 49/89/95955555 |
|  | Identive Group, Inc. (NASDAQ: INVE; Frankfurt: INV) is focused on building the world's signature company in Secure ID. Our products, software, systems and services address the markets for identity management, physical and logical access control, NFC and a host of RFID-enabled applications for customers in the government, enterprise, consumer, education, healthcare and transportation sectors. Our core offerings include market-leading smart card readers/terminals, RFID inlays, tags and labels; Software as a Service and security systems as well as ID systems integration. |
| Idesco Oy www.idesco.fi | MF -RFID, C -C (SM, CL), TAG (RF<LF, HF>), R (RF), T (RF) Teknologiantie 9,90570 Oulu,Finland Tel. 358/20/74384175 Fax 358/20/7434176 |
| IDTeck www.idteck.com | MF, D -C, B, RFID -C (CM, SM, CL), TAG (RF<LF, HF, UHF>), T (RF, FP, FF, VF), SW 5F, Ace Techno Tower B/D 684-1, Deungchon-Dong, Gangsuh-Gu,157-030 Seoul,Korea Tel. 82/2/26590055 Fax 82/2/6590086 |
| iDTronic www.idtronic-group.com | MF -C, RFID -C (CL), M (SL), TAG (RF<LF, HF, UHF>), R (HH, FX, RF, I), T (RF) Donnersbergweg 1,67059 Ludwigshafen am Rhein,Germany Tel. 49/621/66900940 Fax 49/621/66900949 |
| ImageWare Systems www.iwsinc.com | MF, SH -B, C -T (FP, HG, IF, FF), VR, SW 10883 Thornmint RD ,92127 San Diego,CA,Usa Tel. 1/858/673/8600 Fax 1/858/673/1770 |
| Ingenico www.ingenico.com | SH, SI -C, B -T (HH, FX, RF, CL, BC, FP, POS), SW, VT 192 avenue Charles de Gaulle,92200 Neuilly,France Tel. 33/1/46258200 Fax 33/1/47725695 |
| InkSure Technologies www.inksure.com | MF -RFID, BC -M (L, TTR, H), TAG (MK) P.O. Box 7006,19407 Audubon,PA,USA Tel. 1/954/772/8507 |
| Innova Card www.innova-card.com | MF -C -IC, SW ZI Athélia IV - Le Forum, Bât. A, Quartier Roumagoua,13600 La Ciotat ,France Tel. 33/4/42981480 Fax 33/4/42083319 |
| Intelcav www.intelcav.com | MF -C -C (MG, CM, SM, CL, OPT, FP, H) Rua Hungria, 514 –5o andar Jardim Paulistano,SP 01455-000 São Paulo,Brazil Tel. 55/11/2169/0750 Fax 55/11/2169/0769 |
| Interflex Datensysteme www.interflex.de | MF, SI -B, C -T (RF, FP), SW P.O. Box 81 03 60,70520 Stuttgart,Germany Tel. 49/711/13220 Fax 49/711/1322/111 |
| International Bar Code www.interbar.com | MF -C, BC -C (CL), R (RF), S (FX, I) 160 Oak Street,06033 Glastonbury,CT,Usa Tel. 1/860/6599660 Fax 1/860/6573860 |
| International Biometric Group www.biometricgroup.com | SI -B, C -SW One Battery Park Plaza,10004 New York,NY,Usa Tel. 1/212/8099491 Fax 1/212/8096197 |
| International Security Tech. www.ist-china.com | MF -C, BC, B -C (MG, CM, SM, CL, OPT, FP) No. 99 Meicun Road,518049 Shenzhen ,Guangdong ,PR.China Tel. 86/755/83124964 Fax 86/755/83315467 |
| Iris Corporation Berhad www.iris.com.my | MF, SI -C, RFID -C (MG, CM, SM, CL), M (SL), TAG (RF<HF, UHF>), A, P (CP), R (HH, FX, RF, I), S (HH, FX, OCR), T (HH, FX, RF, I, BT, BC, FP, POS, VT), SW, EP, GP, MC Iris Smart Technology Complex, Technology Park Malaysia,57000 Bukit Jalil,Kuala Lumpur,Malaysia Tel. 603/89960788 Fax 603/89960441 |
| Ixla www.ixla.ch | MF -C -MC, SW, GP, EP Otierdo 32,1754 Arvy-centre,Switzerland Tel. 39/0125/719286 Fax 39/0125/718455 |

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| Keynectis www.keynectis.com | SH - C - SW (SM, CM, CL, VF) 11-13 rue René Jacques - 92131 Issy-les-Moulineaux Cedex – France | Tel. 33/1/55/64 22 00 | Fax 33/1/5564 /2201 |
| Keyware www.keyware.com | MF, SH, SI -C -C (MG, CM, SM, CL, FP), T (RF, POS), SW, EP Ikaros Business Park, Ikaroslaan 24,1930 Zaventem,Belgium | Tel. 32/2/3462523 | Fax 32/2/3471688 |
| Kronos Systems www.kronos.com/uk | MF -B, C -T (FP) Kronos House, Carey Road,RG40 2NP Wokingham,UK | Tel. 44/118/9789784 | Fax 44/118/9782214 |
| Kugler Womako www.kugler-womako.com | MF - C - MC, C (CMA) Schlosserstraße 15, 72622 Nürtingen – Germany | Tel. 49/7022/70020 | Fax 49/7022//33444 |
| Labau Technology Corporation www.labau.com.tw | MF -BC, C -R (HH, FX), P (CP, TTR), S (FX), T (POS) 3F-3, No 125, Ln 235, Bau Chiau Road,231 Taipei,Taiwan | Tel. 886/2/89191371 | Fax 886/2/89191771 |
| LaserCard (part of HID) www.lasercard.com | MF, SH, SI, D -C, B -C (MG, CM, CL, OPT, SM), R (HH, FX, RF), P (CP, TTR), T (HH, FX, RF), SW, GP, EP, MC 1875 N. Shoreline Blvd.,94043 Mountain View,CA,Usa | Tel. 1/650/9694428 | Fax 1/650/9693140 |
| Logicode PTE www.logicode.com.sg | D -BC, C, RFID -S (HH, FX), R (RF), P, T (RF, BT, BC) 10 Ubi Crescent #05-28,408564 Ubi Techpark (Lobby B),Singapore | Tel. 65/64588/337 | Fax 65/64588/553 |
| Magna Carta Chipcard Solutions www.magna-carta.com | MF -C -C (MG, CM, SM, CL), T, SW Naritaweg 126,1043 CA Amsterdam,Holland | Tel. 31/20/582/20/50 | Fax 31/20/582/20/51 |
| Magtek www.magtek.com | MF -C -S (POS), T (POS) 20725 South Annalee Avenue,90746 Carson,CA,Usa | Tel. 1/800/421/5208 | |
| Masktech www.masktech.com | SH -C, B, RFID -IC, SW Fischerstrasse 19,87435 Kempten,Germany | Tel. 49/831/51210771 | Fax 49/831/51210775 |




MaskTech is the leading independent provider of high security embedded operating systems / SoC designs for human credential applications. Our MTCOS product line is designed for secure semiconductors with powerful crypto co-processors, available and certified Common Criteria – EAL 4+ on a unique variety of different silicon vendors. MTCOS is a fully open standard (ISO/IEC) compliant multi-application OS, used in over 45 travel, ID documents and authentication solutions worldwide. MTCOS was the worldwide first masked operating system with support of the ICAO DOC9303 (ePassport) standards and has been extended successively for national ID (secure signature creation device), eHealth, eDrivers License, eResidencePermit and Micropayment functionality. All applications are included in the OS and can individually or complementary be activated by the user.

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| Matica System www.maticasystem.com | MF -C -C (MG, CM, SM, CL, FP), M (TTR, I), P (I, TTR), EP, GP, MC, MV Via G. Rossa 4/6,20037 Paderno Dugnano (MI),Italy | Tel. 39/02/92272501 | Fax 39/02/91084372 |
| Maurer Electronics www.maurer-electronics.de | MF -C -MC Hanauer Strasse 1,80992 Munich,Germany | Tel. 49/89/139268630 | Fax 49/89/1392680 |
| Melzer www.melzergmbh.com | MF -C, RFID -MC, C (MG, CM, SM, CL), M (L, SL), TAG (MK, RF<LF, HF, UHF, MW>) Ruhrstrasse 51-55,58332 Schwelm,Germany | Tel. 49/2336/9292/80 | Fax 49/2336/9292/85 |
| Microsoft Corporation www.microsoft.com | SH -C, B, RFID, DC -SW One Microsoft Way,98052-6399 Redmond,WA,Usa | Tel. 1/800/642/7676 | Fax 1/425/936/7329 |
| Morpho www.morpho.com | MF, SI -C, B -C (CM, SM, CL, FP), R (RF), T (RF, FP, IF, FF), SW, EP, GP Le Ponant de Paris 27, rue Leblanc,F-75512 Paris Cedex 15,France | Tel. 33/1/5811/2500 | Fax 33/1/4070/2550 |
| Mühlbauer Group www.muehlbauer.de | MF, SH, SI -RFID, C -C, M (SL), TAG (MK, RF), P (CP, I, TTR), T (FX, RF, I, BT, FP, IF, FF, VF), SW, EP, GP, MC, MV Josef-Muehlbauer-Platz 1,93426 Roding,Germany | Tel. 49/9461/9520 | Fax 49/9461/9521101 |
| Multicard www.multicard.com | MF -C -C (MG, CM, SM, CL), T (FP, FF, VF) Widenholzstrasse 1,8304 Wallisellen,Switzerland | Tel. 41/44/8779000 | Fax 41/44/8310003 |
| Nadra www.nadra.gov.pk | VAR, SI, SH -C, B, RFID, DC -SW, EP, GP State Bank of Pakistan Building, Shahrah-e-Jamhuriat, G-5/2, 44000 Islamabad, Pakistan | Tel. 92/51/90392597 | Fax 92/51/9108143 |
|  <p>NADRA can be looked upon as a world leader in System integration and a premier IT based public corporation in Pakistan where it has developed a whole network of an identification system. We are in a position to furnish a complete custom made e-Passport, e-ID card management, Integrated Border Management and Smart Card Solutions for social welfare. Government projects such as the Benazir Income Support Program (BISP) have also been facilitated by NADRA through its Smart Cards technology. We are one of the pioneers in innovation for developing methods to relate an individual to its parent family by establishing a tree structure for authentication purposes. We have further strengthen the effort of making the retrieval of data a simple process by creating a phonetic based system as an interface between English and our national language Urdu that is also manageable in many other languages.</p> | | | |
| Nagra ID www.nagraid.com | MF -C, RFID -C (MG, CM, SM, CL), M (L, TTR, H, I), TAG (RF<LF, HF, UHF>), EP, GP Crêt du Locle 10,2301 La Chaux-de-Fonds,Switzerland | Tel. 41/32/9240404 | Fax 41/32/9240400 |
| NBS Technologies www.nbstech.com | MF -C -C (MG, CM, SM, CL) M (TTR, H), P (CP, I, TTR), SW, EP, GP B1 Moorfield Point, Slyfield Industrial Park,GU1 1RU Guildford, Surrey ,UK | Tel. 44/1483/563200 | Fax 44/1483/511189 |
| NEC Solutions (America) www.necam.com/ids/law | SI -B -T (FP), SW 10850 GoID Center Drive, Suite 200,95670 Rancho Cordova,CA,Usa | Tel. 1/800/777/2347 | Fax 1/916/4637041 |
| Nfive Software www.nfive.com | SH -C, BC, RFID, B -SW Edificio OneWorld, Urb Belo Horizonte Lt20,2655-241 Ericeira,Portugal | Tel. 351/261/860450 | Fax 351/261/865/647 |
| Novacard www.novacard.de | MF -C, RFID -C (SM, CL, CM, FP), EP, GP Schmiedeweg 2,26135 Oldenburg,Germany | Tel. 49/441/920680 | Fax 49/441/9206888 |
| Oberthur Technologies www.oberthurcs.com | MF, SI -C -C (MG, SM, CL), SW, EP, GP 50, quai Michelet,92300 Levallois-Perret,France | Tel. 33/1/ 5546/7200 | Fax 33/1/ 5546/7201 |
| Omnia Technologies www.omniatags.com | MF -RFID, C -TAG (RF<LF, HF, UHF>) Plot No. 68, Sector - 5, IMT Manesar,122050 Gurgaon,Haryana,India | Tel. 91/124/4366411 | Fax 91/1244366410 |

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| Orell Fussli www.ofs.ch | MF -C -C (CL,CM), EP Dietzingerstrasse 3,CH 8036 Zurich,Switzerland | Tel. 41/44/466/7711 | Fax 41/44/466/7901 |
| Otto Künnecke www.kuennecke.com | MF, SI -C -C (MG, SM), GP, EP, MC Zeppelinstrasse 10,37603 Holzminden,Niedersachsen,Germany | Tel. 49/5531/9300545 | Fax 49/5531/9300903 |
| PAV Card www.pavcard.de | MF -C, RFID -C (MG, CM, SM, CL), EP, GP, TAG (RF<HF>), M Hamburger Strasse 6,22952 Luetjensee,Germany | Tel. 49/4154/7990 | Fax 49/4154/799151 |
| Prooftag www.prooftag.com | MF -C -C (OPT), M (L), TAG (MK) 350, Av d'Italie,82000 Montauban,France | Tel. 33/5/63211050 | Fax 33/5/63211058 |
| RF Ideas www.rfideas.com | MF -RFID, NFC -C (MG, CM,SM, CL), TAG (RF<LF, HF>), R (RF) 4020 Winnetka Ave,60008 Rolling Meadows,IL,Usa | Tel. 1/847/8701723 | Fax 1/847/4831129 |
| Safe ID Solutions www.safe-id.de | MF, SI -C, RFID -C (CL), GP, EP, SW, MC Ottobrunner Str. 43,82008 Unterhaching,Germany | Tel. 49/89/4521260 | Fax 49/89/452126126 |
| SafeNet www.safenet-inc.com | MF -C -C (SM), SW 4690 Millennium Drive,21017 Belcamp,MD,U.S.A. | Tel. 1/410/931/7500 | Fax 1/410/931/7524 |
| Schreiner LogiData www.schreiner-logidata.com | MF -C, RFID, BC -C (SM, CL), M(L, SL, I), TAG (RF<HF, UHF>) Bruckmannring 22,85764 Oberschleissheim,Germany | Tel. 49/89/31584/4140 | Fax 49/89/31584/4109 |
| SCM Microsystems (Identiv) www.scmmicro.com | MF -RFID, NFC -R (HH, FX, RF), T (HH, FX, RF) Oskar-Messter-Straße 13,85737 Ismaning,Germany | Tel. 49/89/9595/5000 | Fax 49/89/9595/5555 |
| SecureTech Consultancy www.securetech-consultancy.com | SH, SI, VAR - C (CL, CM, SM), EP, T (FF, OCR, TTR) 827, Street No. 85, I-8/4, Islamabad-44000 – Pakistan | Tel. 92/51/111/111782 | Fax 92/51/4436480 |
| Selex Eltag www.selexelsag.com | MF, SH, SI -C, B, RFID, DC -C (CM, SM, CL), TAG (RF<HF, UHF>), P (I), R (HH, FX, RF, I), S (POS, I, OCR), T (FP, FF), SW, GP, EP Via Puccini, 2,16154 Genova,Italy | Tel. 39/010/65821 | Fax 39/010/6512898 |
| Sitronics www.sitronics.com | MF -C -C (SM), IC 39/5 3-ya Tverskaya-Yamskaya St. Building I,125047 Moscow,Russia | Tel. 7/495/2250030 | Fax 7/495/2250036 |

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| Smartware www.smartware.fr | MF -C, RFID -EP, GP, R (RF) 11, Avenue des Andes, Le Carthagène, Z.A. de Courtaboeuf,91940 Les Ulis,France | Tel. 33/1/6486/2525 | Fax 33/1/6486/2526 |
| Spartanics www.spartanics.com | MF -C, RFID -C (MG, CM, SM), M (L), P (I) 3605 Edison Place,60008 Rolling Meadows,IL,Usa | Tel. 1/847/3945700 | Fax 1/847/3940409 |
| STMicroelectronics www.st.com | MF -C, RFID, B -C (CM, SM, CL, FP), M (SL), TAG (RF<HF, UHF>), IC 39, Chemin du Champ des Filles CP 21,1228 Plan-Les-Ouates,Geneva 15,Switzerland | Tel. 41/22/9292929 | Fax 41/22/929/2900 |
| Studio Card www.rfid.bg | SI, VAR, D -C, RFID -C (CL, SM), M, TAG (RF<LF, HF>), R (RF), T (RF) 36, Dragan Tsankov Blvd., Interpred World Trade Centre, Office B 324,1040 Sofia,Bulgaria | Tel. 359/886/718545 | Fax 359/2/9693330 |
| Symbolic www.symbolic.it | D -C -C (SM) Viale Mentana 29,43100 Parma,Italy | Tel. 39/0521/708811 | Fax 39/0521/776190 |
| Szst Electronics Group www.szst.com | MF -C, DC -C (MG, SM), R, P, T (HH, BC, POS), SW, EP, GP 5/F, West Coast Bldg, Nan You Rd,518054 Nan Shan District, Shenzhen,Guangdong,China | Tel. 86/755/26490094 | Fax 86/755/26490099 |
| Texas Instruments RFID Systems www.ti-rfid.com | MF -RFID, C -C (CL), M (SL), TAG (RF<LF, HF, UHF>), IC, A, R (HH, FX, RF), T (RF), SW 6550 Chase Oaks Blvd,75023 Plano,TX,Usa | Tel. 1/800/962/7343 | Fax 1/214/567/7343 |
| Thales www.thalesgroup.com | MF, SI -B, NFC -IC, A, T(FX, FP, IF, FF), SW, EP 20-22 rue Grange Dame Rose,78141 Velizi,France | Tel. 33/1/73320000 | |
| Trüb www.trueb.ch | MF, SI -C, RFID, BC, DC, B, RTLS -C (MG, CM, SM, CL, FP), M (L, TTR, H), TAG (RF<LF, HF>), IC, A, P (TTR), SW, EP, GP, MC Hintere Bahnhofstrasse 12,5001 Aarau,Switzerland | Tel. 41/62/8320000 | Fax 41/62/8320100 |
| Ultra Electronics Card Systems www.magicard.com | MF -C, BC -M (TTR, H), P (CP, TTR) Hampshire Road,DT4 9XD Weymouth,Dorset,UK | Tel. 44/1305/784738 | Fax 44/1305/777118 |
| Unisys www.unisys.com/biometrics | SI, SH, VAR -C, B -C (MG,SM), T (HH, FX, BT, BC, FP, IF, FF, VF), VR, SW, EP, GP 801 Lakeview Drive,19422 Blue Bell,PA,Usa | Tel. 1/215/986/4011 | |
| Vasco Data Security International www.vasco.com | MF -C -R (HH), SW Koningin Astridlaan 164,1780 Wemmel,Belgium | Tel. 32/2/6099700 | Fax 32/2/6099709 |
| VeriFone www.verifone.com | MF -C -T (HH, POS), P, SW 2099 Gateway Place, Suite 600,95110 San Jose,CA,Usa | Tel. 1/408/232/7800 | Fax 1/408/232/7811 |
| Verisign www.verisign.com | SI -C, DC, RFID -C, SW 487 E. Middlefield Road,94043 Mountain View,Usa | Tel. 1/650/4263535 | |
| Vision-Box www.vision-box.com | MF -C, B -C, R (FX, FF, FP, VF), T Rua Casal do Canas n.2, Zona Industrial de Alfragide,2790-204 Carnaxide,Portugal | Tel. 351/21/154/3900 | Fax 351/21/154/3901 |
| Vlatacom d.o.o. www.vlatacom.com | MF, SI, SH -C, B, DC -R(HH, FX,RF<HF>), S(OCR), T (HH, BC, FP, FF, RF, VF), SW, EP, GP 5 Milutina Milankovica,11070 Belgrade,Serbia | Tel. 381/11/377/1100 | Fax 381/11/377/1199 |

vps ID Systeme

www.vps.de

SH, SI -C, B, NFC, RFID -SW, EP, GP

Carl-Zeiss-Strasse 2,76275 Ettlingen,Germany

Tel. 49/7243/54880

Fax 49/7243/548811



vps ID Systems has been a leading European supplier of professional IT solutions for identity management since 1992. vps as a software company and long-time specialist in the ID business excels in combining innovative IT technologies with cutting-edge ID solutions. The company's solutions portfolio meets customer's needs and security requirements, from the production of simple yet attractive photo ID and loyalty cards of any quantity to identity management and chip-based multifunctional ID cards for companies of any size. vps solutions are designed for a broad range of corporate and government applications, from access control to electronic ticketing, ePassports, National IDs, and health cards.

Wick Hill Group plc

www.wickhill.com

D -B, C -C (SM, CL, FP), SW, EP

River Court, GU21 5RP Woking, UK

Tel. 44/1483/227600

Fax 44/1483/227700

Wincor Nixdorf International

www.wincor-nixdorf.com

MF, SH, SI -RFID, C -T (HH, FX, RF, BC, POS, VF), R (HH, FX, POS), SW, P (CP)

Heinz-Nixdorf-Ring 1,33106 Paderborn,Germany

Tel. 49/5251/69330

Fax 49/5251/6936767

WiseKey

www.wisekey.com

MF, SH - C, DC - T (VF), SW

WTC II, 29, Route de Pré-Bois, P.O. Box 853, CH- 1215 Genève 15, Switzerland

Tel. : 41/22/594/3000

ZeitControl cardsystems

www.zeitcontrol.de

MF -C, RFID -M (SL), TAG (RF<LF, HF>), A, R (HH,FX,RF,I), T (HH,FX,RF,I), EP, MC

Siedlerweg 39,32429 Minden,Germany

Tel. 49/571/505220

Fax 49/571/5052299

LEGENDA**ROLE IN THE VALUE CHAIN**

D = Distributor
MF = Manufacturer
SH = Software House
SI = System Integrator
VAR = Value Added Reseller

TECHNOLOGIES

B = Biometrics
BC = Barcode
C = Cards
DC = Data Collection
NFC = Near Field Comm.
RFID = Radio Frequency Identification Device
RTLS = Real Time Loc. System

PRODUCT CATEGORIES

A = Antenna
C = Cards
EP = Electronic Personalization
GP = Graphic Personalization
IC = Integrated Circuits
M = Media
MC = Machinery
MV = Machine Vision
P = Printers
R = Readers
S = Scanners
SW = Software
T = Terminals
TAG = Tags
VR = Voice Recognition

PRODUCT SPECIFICATIONS

BT = Batch
BC = Barcode
CL = Contactless
CM = Contact Memory
CMA = Card Materials
CP = Compact
DNA = DNA
EAS = Electronic Art. Surveillance
FF = Facial Feature
FP = Fingerprint
FX = Fixed
H = Holograms
HF = High Frequency
HG = Hand Geometry
HH = Handheld
I = Industrial

IF = Iris Feature
L = Labels
LF = Low Frequency
MG = Magnetic
MK = Marking
MW = Microwave
OCR = Optical Char. Recognition
OPT = Optical
POS = Point of Sale
RF = Radio Frequency
SL = Smart Labels
SM = Smart
TTR = Thermal Transfer Ribbon
UHF = Ultra High Frequency
VF = Verifier
VT = Vehicle Terminal