

ID WORLD

THE PLAYERS OF THE AUTO ID INDUSTRY

BIOMETRICS

2013 BUYER'S GUIDE

Fujitsu

Utilizing the latest in biometric security technology through comprehensive solutions that open up infinite possibilities



Fujitsu is a leading provider of customer-focused IT and communications solutions for the global marketplace. Pace-setting device technologies, highly reliable computing and communications products, and a worldwide corps of systems and services experts uniquely position Fujitsu to deliver comprehensive solutions that open up infinite possibilities for its customers' success.

Products and services including scanners and scanner maintenance, hard disk drives, palm vein recognition technology and 10Gb Ethernet switches.

The palm vein device by Fujitsu is an authentication system that utilizes the latest in biometric security technology. Answering a worldwide need from governments to the private sector, this contactless device offers an easy-to-use, hygienic solution for verifying identity. The new palm vein device by Fujitsu works by capturing a person's vein pattern image while radiating it with near-infrared rays. The deoxidized hemo-

globin in the palm vein absorbs these rays, thereby reducing the reflection rate and causing the veins to appear as a black pattern. This vein pattern is then verified against a pre-registered pattern to authenticate the individual.



1-5-2 Higashi-Shimbashi,
Minato-ku,
Tokyo 105-7123,
Japan

Tel. 81/3/6252/2220

www.fujitsu.com

Ingersoll Rand Security Technologies

A leading provider of biometric products and services that ensure environments are safe, secure and productive



Ingersoll Rand Security Technologies is a leading global provider of products and services that make environments safe, secure and productive. The sector's products include electronic and biometric access control systems, locks and locksets, door closers, floor closers, exit devices, steel doors and frames, portable security devices, decorative hardware, cabinet hardware and time, attendance and personnel scheduling systems from well-known brands like Schlage.

In recent years, Ingersoll Rand has transformed itself into a multi-brand commercial products manufacturer serving customers in diverse global markets, and away from the capital-intensive, heavy-machinery profile of its past. Today, the global diversified industrial firm provides products, services and solutions to enhance the quality and comfort in homes and buildings, transport and protect food and perishables, secure homes and commercial properties, and enhance industrial productivity and efficiency.

Ingersoll Rand conducts manufacturing and assembly operations in 47 plants in United States; 28 plants in Europe; 18 plants in Asia; 10 plants in Latin America and 1 plant in Canada. Ingersoll Rand also maintains offices, warehouses and repair centers throughout the world. Ingersoll Rand provides its products and services directly or through distributors to customers around the globe.



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Carmel IN, 46032
USA

Tel. +1 317 8103 700
Fax +1 317 810 3989

www.securitytechnologies.ingersollrand.com

Dedicated to enabling convenient, secure, and reliable identification and verification

Lumidigm powered sensors work because they produce high-quality images every time, in all conditions. Everyone can be enrolled. Everyone can be verified. Lumidigm also provides award-winning liveness protection.

Lumidigm's sensors are quick and easy to use — perfect for high-throughput deployments — and they can be integrated into any solution that requires identity management in the real world. With commercial partners, venture funding, and govern-

ment sponsors, Lumidigm provides biometric identity management for civil ID, point-of-sale, time & attendance, physical and logical access, and portable electronic device applications.

Lumidigm's facilities consist of offices and development laboratories, including an electronics prototyping lab, an optics lab, an assembly and rework area, a demonstration lab, and a human testing center.



801 University Blvd SE
Suite 302
Albuquerque, NM 87106
USA

Tel. +1 505 272 7084
Fax +1 505 272 7354

www.lumidigm.com

Vision-Box operates automated borders in more than 30 international airports and 3.000 electronic identity systems in Europe, the Middle East, Latin America and Africa

Founded in 2001, Vision-Box is the leading provider of automated border control systems and electronic identity solutions that use ICAO compliant standards. The product portfolio ranges from live biometric enrolment stations, document verification kiosks, digital document dispensers and personalization systems, ranging from portable and hand held biometric units through to smart biometric ABC eGates.

From the enrolment process, through the life cycle

process of a biometric document and finally to the verification and identification process, all products can be linked together through a powerful IT-platform, vb i-shield.

Vision-Box's vb i-shield, which enables the implementation of an advanced border management system, also integrates with advanced digital video management solutions, intelligent biometric and biographic search engines and danger management functionalities.



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2790-204 Carnaxide Portugal

Tel. +351 21 154 3900
Fax +351 21 154 3901

info@vision-box.com
www.vision-box.com

3M www.3m.com/security	MF -RFID -C (CL), M (L)≠ Center Bldg 225-4N-14,55144-1000 St Paul,MN,Usa	Tel. 1/800/3280067	Fax 1/800/2235563
Accu-Time Systems www.accu-time.com	MF -B, DC -T (FX, FP) 420 Somers Road,06029 Ellington,CT,Usa	Tel. 1/860/870/5000	Fax 1/860/872/1511
Advanco www.advanco.be	SI -BC, B -M (L, TTR), P (CP, I), S (HH, FX), T (RF, BT, FF) Rue de la Fusée 66,B-1130 Brussels, Belgium	Tel. 32/2/7268800	Fax 32/2/7264039
Aoptix Technologies www.aoptix.com	MF -B -SW, SI -B - R (I), T, SW (I, OPT) 675 Campbell Technology Parkway,CA 95008 Campbell, Usa	Tel. 1/408/558/3300	Fax 1/408/558/3301
ARH www.arhungary.hu	MF -B, RFID, DC, BC -BC, R (HH, FX, RF, I), S (HH, FX, POS, I, OCR), SW (S) 41. Alkotas St.,HU-1123 Budapest, Hungary	Tel. 36/12019650	Fax 36/12019651
Artec Group www.artec-group.com	MF -B -T (FF), MV 555 Bryant st., #343,94301 Palo Alto,CA,U.S.A.		
AuthenTec www.authentec.com	MF -B -T (FP) 709 South Harbor City Blvd.,32901 Melbourne,FL,Usa	Tel. 1/321/308/1300	
Aware www.aware.com	SW -B -SW (FF, I) 40 Middlesex Turnpike,MA 01730 Bedford, Usa	Tel. 1/781/276/4000	Fax 1/781/276/4001
Bio-key International www.bio-key.com	SH -B -SW 3349 Highway 138, Building D Suite A,07719 Wall,NJ,Usa	Tel. 1/732/359/1100	
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		
Biometrika www.biometrika.it	MF -B -C (FP, CL, CM, SM), T (FP), S (FX), SW Monte Santo, 21,47122 Forli,FC,Italy	Tel. 39/0543/370680	Fax 39/0543/456198
Biometry.com www.biometry.com	MF, SH -B -T (FF), VR, SW Chilcherlistrasse 1,6055 Alpnach OW, Switzerland	Tel. 41/41/6703272	Fax 41/41/6703276
Biomorf www.biomorf.co.id	MF, SH -B -S (FP, I, FF, FX, HH, HG, OPT, OCR), SW Menara BCA, J.L.MH.Thamrin 1, Jakarta 10310 – Indonesia	Tel. 62/21/2358/4793	Fax 62/21/2358/4794
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
CodeCiphers www.codeciphers.com	MF, SH -B, C -C (CL) B, IC Rua Bogaert 107 Villa Vernehla, 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

Cognitec Systems**MF, SH -B -T (FF), SW**

www.cognitec.com

Grossenhainer Str. 101, Tower B,01127 Dresden, Germany

Tel. 49/351/862/920

Fax 49/351/862/9210



Cognitec develops market-leading face recognition technology and applications for customers and government agencies around the world. In various independent evaluation tests, our FaceVACS® software has proven to be the premier technology available on the market. Cognitec's portfolio includes products for facial database search, video screening, border control, ICAO compliant photo capturing and facial image quality assessment. Corporate headquarters are located in Dresden, Germany; other offices in Miami, FL; Rockland, MA; and Hong Kong.

Cross Match Technologies**MF -B -R (HH, FX), S (HH, FX), T (HH, FX, FP, IF, FF, VF), SW**

www.crossmatch.com

Unstrutweg 4,07743 Jena, Germany

Tel. 49/3641/42970

Fax 49/3641/429714



Cross Match Technologies is a leading innovator and provider of biometric identity management solutions to governments, law enforcement agencies, and businesses around the world. Offerings include software, hardware, and related services addressing multiple biometric technologies. Solutions support wireless, mobile or stationary applications and encompass fingerprint, palm, and iris scanners; facial capture software; secure document readers; front and backend systems; custom software; and related professional services.

Daon**SH -B -SW**

www.daon.com

11951 Freedom Drive - Suite 1400,20190 Reston,VA,Usa

Tel. 1/703/984/4000

Fax 1/703/984/4099

Dartagnan BV**SI, SH -C, B, RFID -C (SM, CL), R (RF), T (RF, FP, IF, FF, VF), SW**

www.dartagnan.eu

Triport 3, Westelijke Randweg 51,11118 CRLuchthaven Schiphol, The Netherlands

Tel. 31/20/405/4149

Fax 31/20/405/4171

Datastrip**MF -B, BC -R (HH), T (FP)**

www.datastrip.com

7 Thame Park Business Centre, Wenman Road,OX9 3XA Thame, Oxfordshire, UK

Tel. 44/1844/215668

Fax 44/1844/215669

Dermalog Identification System**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**

www.dermalog.com

Mittelweg 120,20148 Hamburg, Germany

Tel. 49/40/4132270

Fax 49/40/41322789

DigitalPersona**MF, SW -B -R(FX, FR, HH), SW**

www.digitalpersona.com

720 Bay Road,CA 94063 Redwood City, USA

Tel. 1/650/474/4000

Fax 1/650/298/8313

Edaps Consortium**MF -C -C (MG, CM, SM, CL), M (L, H)**

www.edaps.biz

64, Lenina Str.,02088 Kiev, Ukraine

Tel. 38/044/5612590

Fax 38/044/5612585

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 SL = Smart Labels
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 TTR = Thermal Transfer Ribbon
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Ekey Biometric Systems www.ekey.net	MF, SH -B, RFID -S (FX, POS, I), T (FP, RF, I, POS), SW Lunzerstrasse 89,4030 Linz, Austria	Tel. 43/732/890500 2000	Fax 43/732/890500 2002
Entrust www.entrust.com	SH -C, DC -SW 5400 LBJ Freeway, Suite 1340,75240 Dallas,TX,USA	Tel. 1/613/2703400	Fax 1/613/2702501
Eter Biometric Technologies www.eter.it	D, VAR, SI -B, RFID -C (MG, CM, SM, CL, OPT, FP), TAG (RF<LF, HF, UHF>), R (RF), T (RF, FP, HG, IF, FF, VT), VR, SW Via Cartesio 3/1,42100 Bagno,RE,Italy	Tel. 39/0522/262/500	Fax 39/0522/624/688
Fingerprint Cards www.fingerprints.com	MF -B -IC, T (FP), C (FP), SW P O Box 2412 (Kungssportsplatsen 2),403 16 Gothenburg, Sweden	Tel. 46/31/607820	Fax 46/31/137385
Fujitsu www.fujitsu.com	MF, SH -B -R (FX, HH, HG), SW 1-5-2 Higashi-Shimbashi,105-7123 Minato-ku Tokyo, Japan		Fax 81/3/6252/2220
Green Bit www.greenbit.com	MF -B, -T (FP, HH), SW Via Rivalta n. 9,10095 Grugliasco (TO), Italy	Tel. 39/011/7703811	Fax 39/011/7703880
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
Hitachi www.hitachi-eu.com/veinid/	MF, SH -B -T (FP) Whitebrook Park, Lower Cockham Road, Maidenhead,SL6 8YA Berkshire, UK	Tel. 44/1628/585581	Fax 44/1628/585440
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
Human Recognition Systems www.hrsid.com	MF, SH, SI -B, RFID -R (FX, I, FP, HG, OPT), SW 1st Floor, Building 2000,Vortex Court, Wavertree Technology Park,L13 1FB Liverpool, UK	Tel. 44/151/254/2888	Fax 44/151/254/2999
IBM United Kingdom www-03.ibm.com/industries/government/	MF, SI, SH -B, RFID, RTLS -T (FP, FF), SW New Square,TW14 8HB Bedfont Lakes,Feltham,UK	Tel. 44/7802/461174	
Identification Technologies Company (ITEC) www.itec.snz.ru	D, SI -B, RTLS -TAG (RF, MW), R (RF) T (HG, VT) 18 Vasiljeva St, p/o 65,456770 Snezhinsk,Chejlabinsk Region,Russia	Tel. 7/35146/21173	Fax 7/35146/25741
IDesia www.idesia-biometrics.com	MF -B -T (VF), SW 7 Halamish Street - POB 3080,38900 Caesarea Industrial Park, Israel	Tel. 972/4/6371938	Fax 972/4/6376088
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
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

Ingersoll Rand Security Technologies (Schlage)	MF -C, B -C (CL), T (HG), R (RF)
www.securitytechnologies.ingersollrand.com	11819 North Pennsylvania Street,46032 Carmel,IN,Usa Tel. 1/317/8103700 Fax 1/317/8103989
Inside Secure	MF -RFID, NFC -C (CL), M (SL, L), IC
www.insidesecond.com	41 Parc Club du Golf,13856 Aix en Provence, France Tel. 33/4/42396300 Fax 33/4/42396319
Interflex Datensysteme & Co.	MF, SI -B, C -T (RF, FP), SW
www.interflex.de	PO. Box 81 03 60,70520 Stuttgart, Germany Tel. 49/711/13220 Fax 49/711/1322/111
International Biometric Group	SI -B, C -SW
www.biometricgroup.com	One Battery Park Plaza,10004 New York,NY,Usa Tel. 1/212/8099491 Fax 1/212/8096197
Iris Corporation Berhad	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
www.iris.com.my	Iris Smart Technology Complex, Technology Park Malaysia,57000 Bukit Jalil,Kuala Lumpur,Malaysia Tel. 603/89960788 Fax 603/89960441
Julius	MF, SI, D -B, RFID -T (FP), SW
www.powertouching.com	Nezavisimost str.,7000 Rousse, Bulgaria Tel. 359/82/887475 Fax 359/82/809019
Kee Square	SH -B -SW
www.keesquare.com	Via DonaTel. lo 11,20131 Milano, Italy Tel. 39/02/36533368 Fax 39/02/36533329
Kronos Systems	MF -B, C -T (FP)
www.kronos.com/uk	Kronos House, Carey Road,RG40 2NP Wokingham, UK Tel. 44/118/9789784 Fax 44/118/9782214
LaserCard (part of HID)	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
www.lasercard.com	1875 N. Shoreline Blvd.,94043 Mountain View,CA,Usa Tel. 1/650/9694428 Fax 1/650/9693140
Legic Identsystems	MF -RFID, NFC -IC (CL, RF <HF>), R (RF), T (RF), EP
www.legic.com	Binzackerstrasse 41,CH-8620 Wetzikon, Switzerland Tel. 41/44/9336464 Fax 41/44/9336465
Lumidigm	MF -B -T (FP)
www.lumidigm.com	801 University Blvd SE, STE 302,87106 Albuquerque NM, Usa Tel. 1/505/2727084 Fax 1/505/2727354
Masktech	SH -C, B, RFID -IC, SW
www.masktech.com	Fischerstrasse 19,87435 Kempten, Germany Tel. 49/831/51210771 Fax 49/831/51210775

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- TTR = Thermal Transfer Ribbon
- UHF = Ultra High Frequency
- VF = Verifier
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MaxID www.maxidgroup.com	MF -RFID, B, BC -C (CL, FP, SM), TAG (RF<LF, HF, UHF>), R (HH, RF, I), S (HH, POS, OCR), T (HH, RF, FP, POS, BC) 530 Lytton Ave. 2nd Floor,94301 Palo Alto, Usa	Tel. 1/650/617/3370
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
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. 92/51/9205568 Fax 92/51/9202939
NEC Solutions (America) www.necam.com/ids/law	SI -B -T (FP), SW 10850 Gold 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
Oki Electric Industry www.oki.com	MF -B -P (CP), S (I), T (I, IF, FF), SW 7-12 Toranomon 1-chome,105-8460 Tokyo,Minato-ku,Japan	Tel. 81/3/3501/3835 Fax 81/3/3501/3924
Oracle Corporation www.oracle.com	SH -B, RFID -SW 500 Oracle Parkway,94065 Redwood Shores,CA,Usa	Tel. 1/650/506/7000
Oribi www.oribi.nl	SH -B, DC -C (FP), S (RF, HH, OCR), SW Bedrijfsweg 15,5061 JX Oisterwijk, The Netherlands	Tel. 31/135211256 Fax 31/135287137
Precise Biometrics www.precisebiometrics.com	MF -B, C -C (FP), T (FP), SW Scheelevagen 19C,SE-223 70 Lund, Sweden	Tel. 46/46/311100 Fax 46/46/311101
Privaris www.privaris.com	MF -B, RFID -T (FP, VF, HH, RF) 650 Peter Jefferson Parkway, Suite 330,22911 Charlottesville,VA,Usa	Tel. 1/434/293/4033 Fax 1/434/293/8212
SecuGen www.secugen.com	MF -B -T (FP) 2065 Martin Ave Suite 108,95050 Santa Clara,CA,Usa	Tel. 1/408/7277787 Fax 1/408/8347762
Smartmatic www.smartmatic.com	MF, SW -B -T (FP, VF, HH, RF), R (FO, HG, FX), S, SW 105 Piccadilly, 6th Floor,W1J 7NJ London, UK	Tel. 44/20/3402/3613
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
Trix Tecnologia www.xpto.com.br	MF, SI -C, B -P, S (HH,FX), T (RF, BT, FP) rua da Paz, 1957 Ch Sto Antônio,04713 002 Sao Paulo,SP,Brazil	Tel. 55/11/33652000 Fax 55/11/33652070
TST Biometrics www.tst-biometrics.com	MF -B -T (FP) Moehlstrasse 39,81675 Munich, Germany	Tel. 49/89/9988550 Fax 49/89/99885511
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

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
Vitronic Stein Bildverarbeitungssysteme www.vitronic.com	MF -BC, DC -R (I, OCR), S (I, OCR), MV Hasengartenstrasse 14,65189 Wiesbaden, Germany	Tel. 49/611/71520	Fax 49/611/7152133
Wlatacom www.wlatacom.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
Voicevault www.voicevault.com	SH -B -SW, VR 400 Continental Blvd., 6th Floor,90245 El Segundo,CA,Usa	Tel. 1/310/426/2792	Fax 1/310/426/2001
Voxware www.voxware.com	SH -B -VR 168 Franklin Corner Rd.,08648 Lawrenceville,NJ,Usa	Tel. 1/609/514/4100	
Wacom Europe www.wacom-europe.com	MF -B -T (POS, VF), SW Europark Fichtenhain A9,47807 Krefeld, Germany	Tel. 49/6966/308200	
WCC Smart Search & Match www.wcc-group.com	MF -B, DC -SW Savannahweg 17,3542 AW Utrecht, The Netherlands	Tel. 31/30/7503200	Fax 31/30/7503299
Wick Hill Group 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
Zetes www.zetes.nl	SI -B, C, BC, DC, RFID, RTLS -C (SM, CL), M (L, SL, TTR, I), TAG (RF<LF, HF, UHF>), A, P (CP, I, TTR), R (HH, FX, RF, I), S (HH, FX, POS, I, OCR), T (HH, FX, RF, I, BT, BC, POS, VT, VF), VR, SW, EP Science Park Eindhoven, Ekkersrijt 5202,5692 EG Son, The Netherlands	Tel. 31/40/8444444	Fax 31/40/8444455

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