

ID WORLD

THE PLAYERS OF THE AUTO ID INDUSTRY

BIOMETRICS

2018 BUYER'S GUIDE

Hadrian Media

Dermalog

Biometric innovations for public authorities and private businesses

DERMALOG

DERMALOG Identification Systems GmbH with head offices in Hamburg is Germany's pioneer for biometry and the largest German manufacturer of biometric devices and systems. DERMALOG offers a wide range of biometric identification solutions, including the latest generation of fingerprint and document scanners as well as high-performance Automatic Fingerprint Identification Systems (AFIS) and Automated Biometric Identification Systems (ABIS). The range of products is complemented by biometric border control systems, biometric ID cards, and passports as well as biometric voting systems.

prevents fraud with false identities. The Nigerian banks have already successfully registered more than 32 million customers with DERMALOG's Automated Biometric Identification System.

DERMALOG's innovative solutions also provide outstanding services such as project management, installation, and customization as well as maintenance and support of the delivered products. These and additional services form the basis for a long-term and trustful cooperation that connects DERMALOG with numerous customers.

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Aside from Germany and Europe, DERMALOG's main markets are Asia, Africa, Latin America and the Middle East. DERMALOG technology is currently used in more than 200 large-scale installations around the globe. This includes one of the world's largest biometric installations set up in Nigeria. The branches of 23 banks and the Central Bank of Nigeria have been equipped with DERMALOG's ABIS. Bank customers are uniquely identified by fingerprints and face patterns, which effectively



Human Recognition Systems

Biometric technology that enables critical safe secure environments to operate effectively



In 15 years, Human Recognition Systems has pioneered and driven the adoption of automated identification technology around the world, from smoothing passenger journeys in the largest airports to keeping Construction workers safe across thousands of sites and protecting major events like the 2012 Olympic Games. We continue to challenge the status quo and have built the team to make a difference.

Human Recognition Systems takes pride in fulfilling potential and maximising the growth of the business as a trusted provider who deliver intelligent and bespoke solutions that are valued by their clients.

Today, the company develops a series of industrial software and hardware systems, enabled through biometric technology, that help construction companies, airports, oil & gas facilities and other 'critical safe secure' environments operate effectively. Innovation is actively encouraged within Human Recognition Systems, approaching any situation or problem with an open and imaginative mind ensures clients that they receive a solution that best fits their requirements. Everything is approached with energy, enthusiasm and drive.



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A broad range of biometric solutions and multimodal recognition for multiple business sectors

Safran Identity & Security, formerly known as Morpho, is a global leader in security and identity solutions, deploying solutions in more than 100 countries. We employ more than 8,700 people in 57 countries and generated revenues of nearly €1.9 billion in 2015. Backed by more than 40 years of experience in biometrics, the company develops innovative technologies for a wide range of markets and applications for people, governments and business. The company's solutions manage identities, secure payments and transactions and safeguard privacy,



for an increasingly digital and connected world. Safran also contributes to supporting law enforcement and protecting borders, for safer and easier everyday lives.

Safran Identity & Security's broad range of biometric solutions calls on technologies such as fingerprint recognition, multimodal recognition combining fingerprints and vein patterns, facial recognition and iris recognition. It reflects our unrivaled experience in biometrics, built up over the years by providing solutions for many different sectors.

Safran Identity & Security offers different biometric solutions and components, including portable terminals, sensors, software, mobile applications and automated control gates. Virtually all of these products are designed to collect, stock and process (by comparing data) biometric information, and produce a result or authorize an action.



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Advanced biometric-based solutions in border control, identity management and surveillance

Vision-Box is a leading provider of Automated Border Control and electronic identity solutions using ICAO-compliant standards.

Since the deployment of the first worldwide eGate to use biometric facial recognition, we have been blazing a path of success, offering advanced biometric-based solutions in Border Control, Identity Management and Surveillance to Governments, Border Control Authorities, Airports or all Organizations needing to improve their security processes.



The company provides end-to-end Passenger Experience and Electronic Identity Management solutions that use ICAO and NIST-compliant standards, with over 1,000 operational Automated Border Control & Passenger Experience solutions in more than 50 airports across the globe and 3,000 Identity Management solutions worldwide.

Vision-Box partners with the most prestigious organizations worldwide, delivering dependable border control, identity management and security solutions for the most critical security scenarios, such as complex integrated border management deployments for air, land and sea borders, and for challenging innovation contexts, like citizen biographic and biometric enrollment in remote places, and self-service identity document delivery.



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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 Inc 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 SA 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
Allegion www.securitytechnologies.ingersollrand.com	MF -C, B -C (CL), T (HG), R (RF) 11819 North Pennsylvania Street, 46032 Carmel, IN, Usa	Tel. 1/317/8103700	Fax 1/317/8103989
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 Inc. 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
Arjo Systems www.arjo-systems.com	SH, SI - B, C -C(CL,CM,SM), DC, EP, GP, H, NFC, R, RFID, T(VT) 32 rue Jacques Ibert, 92300, Levallois-Perret, France	Tel. +33 (0)181938850	
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, Inc. 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.biolutions.com	MF, SI -B, C -C (FP), S, SW 511 Avenue of the Americas, PMB 572, 10011 New York, NY, Usa	Tel. 44/808/189/1360	
Biometrika Srl www.biometrika.it	MF -B -C (FP, CL, CM, SM), T (FP), S (FX), SW Monte Santo, 21, 47122 Forlì, FC, Italy	Tel. 39/0543/370680	Fax 39/0543/456198
Biometry.com AG 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. +6221 2358 4793	Fax +6221 2358 4794
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CodeCiphers MF, SH -B, C -C (CL) B, IC
 www.codeciphers.com Rua Bogaert 107 Villa Verneha, 04298-020 Sao Paulo, Brazil Tel. 55/11/2175/1106 Fax 55/11/2175/1171

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 www.cogentsystems.com 639 N. Rosemead Blvd., 91107 Pasadena, CA, Usa Tel. 1/626/325/9600 Fax 1/626/325/9700

Cognitec Systems GmbH 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 technologies and applications for enterprise and government customers around the world. Various independent evaluation tests have proven the premier performance of our FaceVACS® software. Cognitec's portfolio includes products for facial image database search, recorded video investigation, real-time video screening and people analytics, border control, ICAO compliant photo capturing and facial image quality assessment.

Crossmatch MF -B -R (HH, FX), S (HH, FX), T (HH, FX, FP, IF, FF, VF), SW
 www.crossmatch.com 3950 RCA Boulevard, Suite 5001, Palm Beach Gardens, FL 33410, USA Tel. 1/561/622/1650 Fax 1/561/622/9938

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, 1118 CR Luchthaven Schiphol, The Netherlands Tel. 31/20/405/4149 Fax 31/20/405/4171

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 www.datastrip.com 7 Thame Park Business Centre, Wenman Road, OX9 3XA Thame, Oxfordshire, UK Tel. 44/1844/215668 Fax 44/1844/215669

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 www.dermalog.com Mittelweg 120, 20148 Hamburg, Germany Tel. 49/40/4132270 Fax 49/40/4132279

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

Ekey Biometric Systems MF, SH -B, RFID -S (FX, POS, I), T (FP, RF, I, POS), SW
 www.ekey.net Lunzerstrasse 89, 4030 Linz, Austria Tel. 43/732/890500 2000 Fax 43/732/890500 2002

LEGENDA

ROLE IN THE VALUE CHAIN	PRODUCT CATEGORIES	PRODUCT SPECIFICATIONS	
D = Distributor	A = Antenna	BT = Batch	IF = Iris Feature
MF = Manufacturer	C = Cards	BC = Barcode	L = Labels
SH = Software House	EP = Electronic Personalization	CL = Contactless	LF = Low Frequency
SI = System Integrator	GP = Graphic Personalization	CM = Contact Memory	MG = Magnetic
VAR = Value Added Reseller	IC = Integrated Circuits	CMA = Card Materials	MK = Marking
	M = Media	CP = Compact	MW = Microwave
	MC = Machinery	DNA = DNA	OCR = Optical Char. Recognition
	MV = Machine Vision	EAS = Electronic Art. Surveillance	OPT = Optical
B = Biometrics	P = Printers	FF = Facial Feature	POS = Point of Sale
BC = Barcode	R = Readers	FP = Fingerprint	RF = Radio Frequency
C = Cards	S = Scanners	FX = Fixed	SL = Smart Labels
DC = Data Collection	SW = Software	H = Holograms	SM = Smart
NFC = Near Field Comm.	T = Terminals	HF = High Frequency	TTR = Thermal Transfer Ribbon
RFID = Radio Frequency Identification Device	TAG = Tags	HG = Hand Geometry	UHF = Ultra High Frequency
RTLS = Real Time Loc. System	VR = Voice Recognition	HH = Handheld	VF = Verifier
		I = Industrial	VT = Vehicle Terminal

Entrust Datacard www.entrustdatacard.com	MF -C, B -C (CM, SM, CL, FP), EP Forum 3, Solent Business Park, PO15 7FH Whiteley, Fareham, UK	Tel. 44/1489/555600	Fax 44/1489/555601
Eter Biometric Technologies Srl 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 AB 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	Tel. 81/3/6252/2220	
Green Bit SpA 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 Corp. 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	SH, SI -B, RFID -R (FX, I, FP, HG, OPT), T (HH, FX, I, BC, FP, HG, IF, FF, VF), 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 Ltd. www-03.ibm.com/industries/government/	MF, SI, SH -B, RFID -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, Cheljabinsk Region, Russia	Tel. 7/35146/21173	Fax 7/35146/25741
IDesia Ltd. 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, Inc. 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
Industrial Innovation Group www.industrialinnovationgroup.com	MF, SH -C, B, NFC, RFID -C (MG, CM, SM, CL, FP), M(L, H), TAG(RF), P(I), SW, EP, GP, MC Building Z-2, Executive suite 85, SAIF Zone, Sharjah a/p, P.O. Box 9015, Sharjah, UAE	Tel. 00971 6557 0725	Fax 00971 6557 4810

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
Inside Secure www.insidese.com	MF -RFID, NFC -C (CL), M (SL, L), IC 41 Parc Club du Golf, 13856 Aix en Provence, France	Tel. 33/4/42396300	Fax 33/4/42396319
Interflex Datensysteme GmbH & Co. KG 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 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
IRIS Corporation Berhad www.iris.com.my	MF,SI,B,C,NFC,RFID,C(BC,CL,CM,H,MG,RF),EP,GP,P(CL,CM,MK),R(BC,CL,CM,CP,FP,HH,POS,RF,SM,VF),S(CL),SW,T(BC,CL,CM,FP,HH,POS,RF,SM,VF) IRIS Smart Technology Complex, Technology Park Malaysia, Bukit Jalil, 57000 Kuala Lumpur, Malaysia	Tel. 603/89960788	Fax 603/89960441
		<p>To ensure a fast yet smooth implementation, it is important to select suppliers with extensive experience and proven track record in trusted identification. As the inventor of ePassport and multi-application eID, IRIS is the only supplier with extensive experience in ePassport since 1998 and in multi-application eID since 2001. We have international presence in over 28 countries where we deliver unrivalled service exceeding our customers' expectations. IRIS is committed to innovation and is the proud owner of over 40 patents in trusted identification products.</p>	
Julius Ltd. www.powertouching.com	MF, SI, D -B, RFID -T (FP), SW Nezavisimost str., 7000 Rousse, Bulgaria	Tel. 359/82/887475	Fax 359/82/809019
Kee Square www.keesquare.com	SH -B -SW Via DonaTel. lo 11, 20131 Milano, Italy	Tel. 39/02/36533368	Fax 39/02/36533329
Kronos Systems Ltd 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
Legic Identsystems AG www.legic.com	MF -RFID, NFC -IC (CL, RF <HF>), R (RF), T (RF), EP Binzackerstrasse 41, CH-8620 Wetzikon, Switzerland	Tel. 41/44/9336464	Fax 41/44/9336465

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
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FX = Fixed
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HF = High Frequency
HG = Hand Geometry
HH = Handheld
I = Industrial

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MK = Marking
MW = Microwave
OCR = Optical Char. Recognition
OPT = Optical
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SL = Smart Labels
SM = Smart
TTR = Thermal Transfer Ribbon
UHF = Ultra High Frequency
VF = Verifier
VT = Vehicle Terminal

Lumidigm www.lumidigm.com	MF -B -T (FP) 801 University Blvd SE, STE 302, 87106 Albuquerque NM, Usa	Tel. 1/505/2727084	Fax 1/505/2727354
Masktech GmbH www.masktech.com	SH -C, B, RFID -IC, SW Fischerstrasse 19, 87435 Kempten, Germany	Tel. 49/831/51210771	Fax 49/831/51210775
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) Inc 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 Co www.oki.com	MF -B -P (CP), S (I), T (I, IF, FF), SW 7-12 Toranomon 1-chome, 105-8460Tokyo, 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	
Precise Biometrics AB 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, Inc. 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 Corporation 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 Velizy, France	Tel. 33/1/73320000	
Trix Tecnologia Ltd 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

Trüb AG www.trueb.ch	MF, SI -C, B, NFC -C (MG, CM, SM, CL, FP), M (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
TST Biometrics GmbH 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,OPT,FP), T (HH, FX, RF, 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
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
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Voxware www.voxware.com	SH -B -VR 168 Franklin Corner Rd., 08648 Lawrenceville, NJ, Usa	Tel. 1/609/514/4100	
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WCC Smart Search & Match www.wcc-group.com	MF -B, DC -SW Zonnebaan 19, 3542 EA Utrecht, The Netherlands	Tel. 31/30/7503200	Fax 31/30/7503299
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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