

ID WORLD

THE PLAYERS OF THE AUTO ID INDUSTRY

RFID

2021 BUYER'S GUIDE

Hadrian Media AG

Applying technologies to an endless array of real-world customer needs

3M is fundamentally a science-based company. We produce thousands of imaginative products, and we're a leader in scores of markets - from health care and highway safety to office products and abrasives and adhesives. Our success begins with our ability to apply our technologies - often in combination - to an endless array of real-world customer needs. Of course, all of this is made possible by the people of 3M and their singular commitment to make life easier and better for people around the world. We leverage these competencies to create



innovative solutions for our customers and to also provide investors with attractive long-term returns.

Radio Frequency Identification (RFID) technology from 3M ensures that books and other materials move out of the library faster. Using a self-service system and RFID, customers can check out multiple items at once, resulting in less time spent waiting in line at the self-service station or the circulation desk. RFID technology when combined with automated material handling systems, can also speed accelerate the process for getting CD, DVDs, videotapes and books—including frequently-checked-out best-sellers - back on the shelves where customers can use them. This innovative technology from 3M ensures accurate shelving of various items, eliminates frustration of searching and increases customer convenience.



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Avery Dennison RFID

Creating products and solutions that solve business process challenges in diverse environments

Avery Dennison RFID designs and manufactures Radio Frequency Identification (RFID) inlays. RFID Inlays include 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.



In the real-world, RFID inlays are required to perform on myriad materials and in diverse environments, many of which challenge basic RF functionality. For instance, metals cause RF waves to detune, liquids absorb RF waves and manufacturing or retail settings can be full of wireless interference. Avery Dennison RFID inlay design experts and applications engineers leverage decades of experience to create products that overcome these real-world challenges.

Avery Dennison RFID tests its inlays in simulated "real-world" environments at their RFID Technical Support Centers in Atlanta, Georgia and Luxembourg in Europe. The technical centers are fully equipped to provide real-world RFID testing, as well as consultation and training to end users, systems integrators and other companies interested in evaluating RFID solutions to solve business process challenges.



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Impinj

Sensing environments to automatically adapt to new and changing conditions



Impinj is a leading world provider of UHF Gen 2 RFID solutions. Impinj draws on its technical expertise and industry partnerships to deliver a wide range of products and solutions comprising high-performance tag chips, readers, reader chips, software, antennas, and systems integration. Impinj products provide excellent performance, integration, and cost effectiveness to a global customer base, in applications across numerous vertical markets, including apparel, inventory management, asset tracking, authentication and serialization.

Among Impinj products is the Monza 4 family of RFID tag chips, which deliver privacy, performance, and memory benefits that address even the most challenging of RFID applications. The chips provide the best sensitivity combined with excellent interference rejection, support for omni-directional antennas (True3D antenna technology), innovative privacy features (QT technology), and expanded memory options.

The Impinj product line includes the Indy RFID read-

er chip family, based on technology acquired from Intel, and the Speedway Revolution RFID reader with Autopilot, which senses its environment, automatically configuring and adapting to new and changing conditions.

Impinj, founded in May 2000, is privately held and has raised over \$110 million in funding.



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Infineon

System solutions for automotive and industrial electronics, chip card and security applications



Energy efficiency, mobility and security are Infineon's main focus, offering semiconductors and system solutions for automotive and industrial electronics and chip card and security applications.

Infineon's products stand out for their reliability, their quality excellence and their innovative and leading-edge technology in analog and mixed signal, RF and power as well as embedded control. Based on competencies in the fields of security, contactless communication and integrated microcontroller solutions, Infineon offers a comprehensive portfolio of semiconductor-based security products for many chip card and security applications.

This expertise is used to increase security in an increasingly connected world, e.g., mobile payments, system security and secure electronic sovereign documents. Infineon has developed innovative, hardware-based security solutions for over 25 years and is now a global market leader.

With a global presence, Infineon operates through its subsidiaries in the USA from Milpitas, California, in the Asia-Pacific region from Singapore, and in Japan from Tokyo.



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3M www.3m.com	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
Active Identity www.activeidentity.com	MF -RFID - R (HH, FX, RF, MW), SW 845 Embedded Way,, San Jose CA 95138, USA	Tel. 1 /408/7823900	
AEG Identifikationssysteme GmbH 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
Agorabee www.agorabee.com	MF -RFID -TAG (RF<LF, HF>), R (HH, FX, RF, MW) Avenue du 24 Janvier, 11,, CH-1020 Renens,, Switzerland,	Tel. 41/21/632/78/80	Fax 41/22/545/77/04
Alien Technology www.alientechnology.com	MF -RFID, RTLS -M (SL), TAG (RF<HF, UHF>), IC, A, R (RF, I) 18220 Butterfield Blvd, 95037 Morgan Hill, CA, Usa	Tel. 1/408/7823900	Fax 1/408/7823908
Allflex Europe (UK) Ltd www.allflex.co.uk	MF, SH, SI -RFID -TAG (RF<LF>), A, R (HH, FX, RF) Units 6, 7, and 8 Galalaw Business Park, TD9 8PZ Hawick, UK	Tel. 44/1450/364120	Fax 44/1450/364121
Alphasource www.alphasourceintl.com	MF -RFID - R (HH, FX, RF, MW), SW 4837-49 North Stenton Ave., Philadelphia, PA 19144-3024, USA	Tel. 1/215/844/64702	
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
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
Almex www.almex.de	MF -RFID, NFC, BC, DC -R (HH), S (HH, POS), T (HH, BC, POS, VT), SW Stockholmer Allee 5, 30539 Hannover, Germany	Tel. 49/511/6102/600	
Atlas RFID www.atlasrfidstore.com	MF -RFID - TAG (RF<HF, UHF>), R (HH, FX, RF, MW), SW 2014 Morris Avenue, Birmingham, AL 35203, USA	Tel 1/205/774/6237	
Avery Dennison RFID www.RFID.averydennison.com	MF -RFID -M (SM), TAG (RF<HF, UHF>) 4350 Avery Drive, 30542 Flowery Beach, GA, Usa	Tel. 1/866/903/7343	
Avonwood Development Ltd www.avonwood.co.uk	MF, SI, SH -RFID -TAG (RF<LF, HF, UHF, MW>), R (FX, RF, I), T (RF), SW, A Knoll Technology Centre, Stapehill Road, BH217ND Wimborne, Dorset, UK	Tel. 44/1202/868000	Fax 44/1202/868001
Awid Inc www.awid.com	MF -RFID -C (SM, CL), M (SL), TAG (EAS, RF<LF, HF, UHF, MW>), A, R (HH, FX, RF, I), T (HH, FX, RF, I) 18300 Sutter Blvd., 95037 Morgan Hill, CA, Usa	Tel. 1/408/825/1100	Fax 1/408/782/7402
Axiome Alpha SA www.datawin.de	MF -RFID, BC -S (OCR), T (HH, RF, BT, BC) Avenue Soguel 1a, 2035 Corcelles, Switzerland	Tel. 41/32/7310740	Fax 41/32/7310742
Balluff GmbH www.balluff.com	MF -RFID -C (CL), M (L, I), TAG (RF<LF, HF, UHF>), A, R (HH, FX, RF, I), S (OCR), SW Schurwaldstrasse 9, 73765 Neuhausen, Germany	Tel. 49/7158/173195	Fax 49/7158/69154
Baltech AG www.baltech.de	MF -RFID -C (CL), M (SL), TAG (RF<HF>), A, R (HH, FX, RF, I), T (HH, RF) Lilienthalstrasse 27, 85399 Hallbergmoos, Germany	Tel. 49/811/998810	Fax 49/811/9988111

Bancolini Symbol SpA www.bancolini.com	MF, SI -BC, DC, RFID, RTLS -M (L, SL, TTR), TAG (RF<LF, HF, UHF>), A, P (CP, I, TTR), R (HH, FX, I), S (HH, FX, I), T (HH, FX, RF, I, BT, BC, VT, VF), SW via Emilia, 292, 40068 San Lazzaro di Savena, BO, Italy	Tel. 39/051/6258589	Fax 39/051/6258576
B-Id GmbH & Co., KG www.b-id.eu	MF, D -C, RFID -C (SM, CL, OPT), TAG (RF<LF, HF>), A, R (HH) von-Seebach-str. 28, 34346 Hannoversch Münden, Germany	Tel. 49/5541/956670	Fax 49/5541/956671
Caen RFID www.caenRFID.it	MF -RFID -TAG (RF<UHF>), R (HH, FX, RF, I), T (HH, POS, VT), A Via Vetraia, 11, 55049 Viareggio, LU, Italy	Tel. 39/0584/388398	Fax 39/0584/388959
Checkpoint Systems Inc www.checkpointsystems.com	MF, SI, D -RFID, DC -M (SL), TAG (EAS, RF<HF, UHF>), A, R (HH, FX, RF), T (HH, RF, POS), SW 101 Wolf Drive, 08086 Thorofare, NJ, Usa	Tel. 1/800/2575540	Fax 1/856/3843199
Coilcraft Inc www.coilcraft.com	MF -RFID -TAG (RF<LF>) 1102 Silver Lake Road, 60013 Cary, IL, Usa	Tel. 1/847/6396400	Fax 1/847/6391469
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 Ltd. www.confidex.com	MF -RFID, NFC -TAG (RF<HF, UHF>, I), M (SL), C (CL) Lumpeenkatu 6, 33900 Tampere, Finland	Tel. 358/10/4244 100	Fax 358/10/4244 110
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, KT26HH Kingston, Surrey, UK	Tel. 44/208/546/9826	Fax 44/208/547126
Datacon Technology GmbH www.datacon.at / www.besi.com	MF -RFID -MC Innstr. 16, 6241 Radfeld, Austria	Tel. 43/5337/6000	Fax 43/5337/600660
Datalogic www.datalogic.com	MF -RFID, DC, BC -R (HH, FX, RF, I), S (HH, FX, I, OCR), T (HH, FX, RF, I, BC, FP), SW Via Candini, 2, 40012 Lippo di Calderara di Reno, (BO), Italy	Tel. 39/051/3147011	Fax 39/051/3147205
Datamars www.datamars.com	MF -RFID -TAG (RF<LF, HF>), A, R (HH, RF) Via Industria 16, 6814 Lamone, Switzerland	Tel. 41/91/9357380	Fax 41/91/9450330
Datatronic Identsysteme www.datatronic.eu	MF -RFID -C (SM, CL), M (SL), TAG (RF<LF, HF, UHF>), A, P, R (HH, FX, RF, I), S (HH, FX, I), T (HH, FX, RF, I, BC, FP), SW Brunnergasse 2-8 , AT-2380 Perchtoldsdorf, Austria	Tel. 43/1865/0206/33	Fax 43/1865/0206/11
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
DetecTag Inc www.detectag.com	MF -RFID, RTLS -C (CL), M (SL), TAG (EAS, RF<LF, HF, UHF>), A, R (FX, RF, I), S (FX, POS, I), T (HH, FX, RF, I, POS) 10-117 Young Street, Alliston, ON, Canada	Tel. 1/905/939/9265	Fax 1/905/939/9266
Detego (RF-iT Solutions) www.detego.com	SH -RFID -SW Hans-Resel-Gasse 17a, 8020 Graz, Austria	Tel. 43/316/7111110	Fax 43/316/711111
Diletta Maschinenteknik GmbH www.diletta.com	MF -C, RFID -C (CL), P (I), GP, EP, MC Industriestrasse 25-27, 64569 Nauheim, Germany	Tel. 49/6152/18040	Fax 49/6152/180422
Dorset Identification b.v. www.dorset.nu	MF, SI, VAR, D -RFID -C (CL), TAG (RF<LF>), A, R (HH, FX, RF, I), S (HH, FX), T (RF) Weverij 26, 7122 MS Aalten, The Netherlands	Tel. 31/543/477119	Fax 31/543/475355

Dupont Microcircuit Materials www.dupont.com/mcm	MF -C, RFID -C (CL) Bath Science Park Dirac Crescent, Emersons Green, Bristol BS16 7FR, UK	Tel. 44/1438/734000	Fax 44/117/9313099
Ekahau www.ekahau.com	MF, SH -DC, RTLS -TAG (RF), SW 1925 Isaac Newton Square E., 20191 Reston, VA, Usa	Tel. 1/866/435/2428	Fax 1/703/860/2028
Elatec GmbH 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
Elecsys Corporation www.lindsay.com	MF -RFID -TAG (RF<LF>), R (RF) 846 N Mart-Way Court, 66061 Olathe, KS, Usa	Tel. 1/913/647/0158	Fax 1/913/647/0123
Elektrobit Group Plc. www.elektrobit.com	MF -RFID -R (RF) Elektroniikkatie 13, 90490 Oulu, Finland	Tel. 358/40/3445/999	Fax 358/8/570/1301
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	
EM Microelectronic Marin SA www.emmicroelectronic.com	MF -RFID, NFC -IC (CL, CM, SM, EAS, RF<LF, HF, UHF, MW>) Rue des Sors 3, 2074 Marin, Switzerland	Tel. 41/32/7555111	Fax 41/32/7555403
	EM Microelectronic is a semiconductor manufacturer specialized in the design and production of ultra-low power, low voltage integrated circuits for battery-operated and field-powered applications in consumer, automotive and industrial areas. Our product portfolio encompasses RFID, NFC, smart cards ICs, ultra-low power microcontrollers, LCD drivers, sensors, opto-electronic ICs, mixed-mode arrays and standard analog ICs. Our innovative RFID products cover all frequencies from LF to UHF, addressing all market segments.		
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
Etilux SA www.etilux.com	SI, VAR, D -BC, DC, RFID, C -C (MG), M (L, SL, TTR), TAG (RF<HF>) P (CP, I, TTR), R (HH, FX, RF, I), S (HH, FX, I), T (HH, FX, RF, I, BT, BC), SW 45, rue de l'Espérance, 4000 Liege, Belgium	Tel. 32/4/2249999	Fax 32/4/2261106
Eurolink Systems www.eurolinksystems.com	MF, SI, VAR -RFID, DC -C (SM), M (SL), TAG (RF<LF, HF, UHF>), A, R (FX, HH, I), T (RF), SW, EP Via Piedicavallo, 51, 00166 Roma RM, Italy	Tel. 39/06/61914001	Fax 39/06/61914001
Euro Plus d.o.o. (Nice Label) www.nicelabel.com	SH -BC, RFID -SW Poslovna cona A 2, 4208 enur, Slovenia	Tel. 386/4/280/5000	Fax 386/4/233/1148

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

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
Faubel www.faubel.de	MF -RFID -M (SL) Schwarzenberger Weg 45, 34212 Melsungen, Germany	Tel. 49/5661/7309/0
Favite www.favite.com	MF -RFID -R (HH, FX, RF, I), TAG (RF <LF, HF, UHF>) 176, Taihe Road, 30267 Jhubei City, Hsinchu County, Taiwan	Tel. 886/3/6560300 Fax 886/3/5545982
Feig Electronic GmbH www.feig.de	MF -RFID, NFC -R (HH, FX, RF, I) Lange Strasse 4, 35781 Weilburg, Germany	Tel. 49/6471/31090 Fax 49/6471/310999
Finmeccanica leonardocompany.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 Piazza Monte Grappa n. 4, 00195 Rome, Italy	Tel. 39/06/324731 Fax 39/06/3208621
Giesecke & Devrient GmbH 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
GlobeRanger Corporation www.globeranger.com	SH -RFID, RTLS -SW 1130 E. Arapaho Rd, Suite 600, 75081 Richardson, TX, Usa	Tel. 1/469/330/5526 Fax 1/972/744/9988
GSI Technologies, LLC www.gsistechnologies.com	MF -RFID -M (SL) 1213 Elko Drive, Sunnyvale, CA 94089, Usa	Tel. 1/408/331/8800 Fax 1/408/331/9795
HID Global www.hidglobal.com	MF -C, RFID -C (MG, CM, SM, CL, OPT), M (TTR, H, I), TAG (RF, LF, UNF HF), IC, P (CP, I, TTR, POS). R (HH, FX, RF, I), SW, EP 15370 Barranca Pkwy, 92618 Irvine, CA, Usa	Tel. 1/949/732/2000 Fax 1/949/732/2120
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
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
ID.SYS International www.idsys.de	D -BC, DC, C, RFID -C (MG, CM, SL, CL), M (L, SM, TTR, H, I), TAG (RF <LF, HF>), A, R (HH, FX, RF, I), S (HH, FX, POS, I, OCR), T (HH, FX, RF, I, BT, BC, POS, VT, VF), SW Kreuzstr. 1A, D-85459 Berglern/Niederlern, Germany	Tel. 49/8762/72640 Fax 49/8762/7264/50
Identec Solutions AG www.identecsolutions.com	MF, SI -RFID, RTLS -TAG (RF <HF, UHF, MW>), A, R (HH, FX, RF, I), T (HH, FX, RF, I, VT), SW Millennium Park 2, 6890 Lustenau, Austria	Tel. 43/5577/873870 Fax 43/5577/8738715
Identiv www.identiv.com	MF -RFID -TAG (RF <HF, UHF>), M (SL), D - RFID, NFC - IC, TAG (RF <LF, HF>) 2201 Walnut Ave., Suite 100, Fremont, CA 94538, USA	Tel. 1/888/809/8880
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 3F, 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) Ludwig-Reichling-Straße 4, 67059 Ludwigshafen am Rhein, Germany	Tel. 49/621/66900940 Fax 49/621/66900949

IER www.ier.fr	MF, SI -RFID, DC -TAG (EAS, RF<HF, UHF>), A, M (L, SL), P (I, TTR), R (HH, FX), S (HH, POS), T (HH, FX, RF, BT, BC, VT), VR, SW 3, rue Salomon de Rothschild, 92156 Suresnes Cedex, France	Tel. 33/1/41386000	Fax 33/1/41386278
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. 971/6557/0725	Fax 971/6557/4810
Impinj, Inc. www.impinj.com	MF -RFID -IC, R(RF) 701 N. 34th Street, Suite 300, 98103 Seattle, WA, Usa	Tel. 1/206/517/8300	Fax 1/206/517/5262
Infineon Technologies AG www.infineon.com	MF -RFID, C -IC Am Campeon 1-12, 85579 Neubiberg, Germany	Tel. 49/800/951951951	Fax 49/89/2349553431
Inotec UK www.inotecbsl.com	MF -RFID, BC -M (SL), TAG, R Inotec House, Viking Close, HU10 6DZ Willerby, East Yorkshire, UK	Tel. 44/1482/654466	Fax 44/1482/655004
Intelligent Ltd www.intelligent.co.uk	SI -BC, RFID -M (SL), TAG (RF<HF, UHF>), R (HH, FX, RF), T (BC, RF) Landmark House, 5 Station Rd, Cheadle Hulme, Cheadle SK8 7JG, UK	Tel. 44/161/4981140	Fax 44/161/4368787
Jadak www.jadatech.com	MF -RFID, C -R (HH, FX, RF, I), SW, A Parkring 57-59, 85748 Garching, Germany	Tel. 49/8931/707/100	Fax 49/8931/707/222
Johnson Electric www.johnsonelectric.com	MF -C, RFID -C (SM, CL), M (L, SL), TAG (RF<HF, UHF>), A 6/F, 12 Science Park East Avenue, Hong Kong Science Park Shatin, NT, Hong Kong	Tel. 852/2663/6688	Fax 852/2897/2054
Kapsch TrafficCom AB www.kapsch.net	MF -RFID -TAG (RF<MW>), R(FX, RF), SW Box 1063, SE-551 10 Jönköping, Sweden	Tel. 46/36/2901500	Fax 46/36/2901501
KFI Trading www.kfi.it	VAR, D, SI -RFID, BC, DC -M (L, TTR, SL), TAG (RF<HF, UHF>), A, P (CP, I, TTR, POS), R (HH, FX, RF, I), S (HH, FX, I, OCR), T (RF, HH, FX, I, BT, BC), VR, SW Via delle Scienze, 21, 20082 Binasco (MI), Italy	Tel. 39/02/905731	Fax 39/02/90092245
Lab ID www.lab-id.com	MF -RFID -TAG (RF<HF>), R (RF), A, C (CL), M (L, SL), SW via Corticella 11/4, 40013 Castel Maggiore, Bologna, Italy	Tel. 39/051/705941	Fax 39/051/705948
Label Logic www.label-logic.com	MF -RFID -TAG (RF<HF>), P 516 Pine Creek Ct. Elkhart, IN 46516, USA	Tel. 1/574/266/6007	
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	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
	P = Printers	FF = Facial Feature	POS = Point of Sale
	R = Readers	FP = Fingerprint	RF = Radio Frequency
	S = Scanners	FX = Fixed	SL = Smart Labels
	SW = Software	H = Holograms	SM = Smart
	T = Terminals	HF = High Frequency	TTR = Thermal Transfer Ribbon
	TAG = Tags	HG = Hand Geometry	UHF = Ultra High Frequency
	VR = Voice Recognition	HH = Handheld	VF = Verifier
		I = Industrial	VT = Vehicle Terminal

Lindsay www.lindsay.com	MF -RFID -TAG (RF<LF>), R (RF) 18135 Burke Street, Suite 100, Omaha, NE 68022, USA	Tel. 1/402/829/6800
Lowry Solutions www.lowrysolutions.com	D, SI -BC, RFID, B -M (L, TTR), TAG (RF<HF, UHF>), S (HH, FX, I, POS), P (CP, TTR, I), T (RF, BT, VF) 9420 Maltby Road, 48116 Brighton, MI, Usa	Tel. 1/810/2297200 Fax 1/810/2295189
Lux-Ident s.r.o. www.lux-ident.com	MF -RFID -TAG (RF<LF, HF>) Tovární 368, 56301 Lan_kroun, Czech Republic	Tel. 420/465/352/500 Fax 420/465/352/501
Lyngsoe Systems A/S www.lyngsoesystems.com	MF, SH, SI -BC, DC, C, RFID, RTLS -C (SM), M (L), TAG (RF<LF, HF, UHF>), IC, A, P, R (HH, FX, I), S (POS), T (BT, VT, VF), SW Lyngso Allé 3, 9600 Aars, Denmark	Tel. 45/96980980 Fax 45/96980980
Manhattan Associates www.manh.com	SH -RFID -VR, SW e2, Eskdale Road, Winnersh Triangle, Wokingham, Berkshire, RG41 5TS, UK	Tel. 44/1189/228000 Fax 44/1189/228099
Melzer maschinenbau GmbH www.melzergmbh.com	MF -C, RFID -MC, C (MG, CM, SM, CL), M (L, SL), TAG (MK, RF<LF, HF, UHF, MW>) Ruhrstr 51-55, 58332 Schwelm, Germany	Tel. 49/2336/9292/80 Fax 49/2336/9292/85
Microchip www.microchip.com	MF -RFID -IC (CL, RF<LF, HF, UHF, MW>) 2355 West Chandler Blvd., Chandler, Arizona, USA	Tel. 1/480/792/7200
Microlise www.microlise.com	MF, SH -DC, RFID, RTLS -R (RF), T (VT, RF), SW, VR Farrington Way, Eastwood, NG16 3AG Nottingham, UK	Tel. 44/1773/537000 Fax 44/1773/537373
Microsensys GmbH www.microsensys.de	MF -RFID -TAG (RF<HF, UHF>), R (RF) Office Park im GVZ, In der Hochstedter Ecke 2, 99098 Erfurt, Germany	Tel. 49/361/598740 Fax 49/361/5987417
	With 30 years' experience in the RFID market, microsensys connects the real world of things with the virtual world of data. As a world leader in the development and production of technically sophisticated RFID system components, microsensys primarily operates in niche markets worldwide. Its range of specialised RFID system solutions based on a wide standard product range in the HF and UHF frequency areas include innovative RFID transponders, RFID sensors and data loggers, as well as smart low-power RFID read/write devices and user-friendly software tools. Core competencies include sensor integration and miniaturisation, special packaging and tailor-made product designs.	
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
Motorola Solutions www.motorolasolutions.com	MF -RFID, BC -A, R (HH, FX, RF, I), S (HH, FX, POS, I), T (HH, FX, RF, I, BT, BC, POS, VT), SW 1303 East Algonquin Road, 60196 Schaumburg, IL, Usa	Tel. 1/847/5765000
Mojix www.mojix.com	MF -RFID -M (L, SL), TAG (EAS, MK, RF<HF, UHF>), A, R (HH, FX, RF, I), T (HH, FX, RF, I, POS), SW 4470 W Sunset Boulevard, Suite 107, Los Angeles, CA 90027	Tel. 1-877-886-6549
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
Murata www.murata.com	MF -RFID -IC, TAG (RF<UHF>) 2200 Lake Park Drive, 30080-7604 Smyrna, GA, Usa	Tel. 1/800/241/6574
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

NCR Corporation www.ncr.com	MF, D -RFID, BC -M (L, SL, TTR), P (I, TTR), S (FX, POS) 864 Spring St NW, Atlanta, GA 30308, USA	Tel. 1/937/445-/936	Fax 1/937/445-/936
Nedap AVI www.nedapidentification.com	MF, SI -RFID -TAG (RF<LF, HF, UHF>), R (RF), T (RF) Parallelweg 2e, 7141 DC Groenlo, The Netherlands	Tel. 31/544/471111	Fax 31/544/464255
Newave Sensor Solutions www.newaverfid.com	MF, SI -RFID -RTLS, A, S (SL) 9011 Heritage Drive / PO Box 181 Plain City, Ohio 43064, USA	Tel. 1/ 888/677/7343	
Netcetera (Nexperts) topay.netcetera.com	SH -NFC, RFID -SW, T (HH, RF), TAG (RF:HF), R (HH, RF) Zypressenstrasse 71, 8040 Zürich, Switzerland	Tel. 41/44297/5555	Fax 43/7236/33514699
NiceLabel EMEA www.nicelabel.com	SH -BC -SW, M (L) Poslovna cona A 2, SI-4208 Šencur, Slovenia	Tel. 386/4/28050/00	Fax 386/4/23311/48
Nordic ID www.nordicid.com	MF -RFID, BC, DC -R (RF<UHF>, HH), T (HH, RF, BC, BT, POS) Salo IoT Campus, Joensuukatu 7, 24100 Salo, Finland	Tel. 358/2/7277700	Fax 358/2/7277720
NXP Semiconductors www.nxp.com/identification	MF -RFID, NFC -IC (RF<LF, HF, UHF, MW>, CM, SM, CL, R) Mikron-Weg 1, A-8101 Gratkorn, Austria	Tel. 43/3124/299/1600	Fax 43/31/24299270
Quake Global www.quakeglobal.com	SI -RFID -SW 4711 Viewridge Avenue, Suite 150 San Diego, CA 92123	Tel. 1/7858/277/7290	Fax 1/858/277/7259
Oltremare Srl www.oltremare.net	SH, SI, D -DC, RFID, BC, C, B -C (MG, CL), TAG (RF<LF, MW>), R (HH, FX, RF), S (HH), T (HH, FX, RF, BT, BC, HG), SW Via del Gelso 7, 33100 Udine, UD, Italy	Tel. 39/0432/508988	Fax 39/0432/204121
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
Omni-ID www.omni-id.com	MF -RFID -TAG (RF<UHF>) The Enterprise Centre, Coxbridge Business Park, Alton Road, Farnham, GU10 5EH, UK	Tel. 44/1252/748020	
Omron Corporation www.omron.com	MF -RFID -M (L), TAG (RF), A, R (RF), T (RF) Shiokoji Horikawa, Shimogyo-Ku, 600-8530 Kyoto, Kyoto, Japan	Tel. 81/75/344/7173	Fax 81/77/344/7149
Oracle Corporation www.oracle.com	SH -B, RFID -SW 500 Oracle Parkway, 94065 Redwood Shores, CA, Usa	Tel. 1/650/506/7000	

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

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MC = Machinery
MV = Machine Vision
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PRODUCT SPECIFICATIONS

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UHF = Ultra High Frequency
VF = Verifier
VT = Vehicle Terminal

Panmobil Feig Electronic www.panmobil.com	MF -RFID, BC, DC -R (HH, RF, I) Hansestr. 91, 51149 Köln, Germany	Tel. 49/2203/10334777	Fax 49/2203/10334720
Partitalia www.partitalia.com	MF, SI -RFID -C (CL), M (SL), IC, A, TAG (RF<LF, HF, UHF>), R (RF), T (RF, POS) Via Varese 26/28, 20020 Lainate (MI), Italy	Tel. 39/02939/3051	Fax 39/02/93796611
PAV Card GmbH 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
Pepperl und Fuchs GmbH www.pepperl-fuchs.com	MF -RFID -R (RF, I), T(RF), SW Lilienthalstraße 200, 68307 Mannheim, Germany	Tel. 49/621/7760	Fax 49/621/7761000
Planet ID www.planet-id.com	MF - RFID -R (HH), SW, TAG Hauptstr. 5-9, D-45219 Essen – Germany	Tel. +49/2054/939650	Fax 2054/9396519
	Planet ID offers a wide range of products and on top of this we have put our focus on the development of user-friendly and competent solutions. Managed by a veterinarian, our products are developed by professionals for professionals. Our core business is electronic animal identification and we are also experienced in the industrial RFID field: consulting on government level as well as realization of logistics and traceability for industrial productions. We are flexible, quick and reliable – just ask our customers.		
Pluriservice SpA www.pluriservice.it	MF, D, SI -BC, RFID -M (L, TTR), P (CP, I), S (HH, FX, I), T (RF, BT, VT), SW via Grandi, 5 - Z.I. Bassette, 48100 Ravenna, RV, Italy	Tel. 39/544/456669	Fax 39/544/688954
Precision Dynamics Corporation www.pdcorp.com	MF -RFID, BC -C (CL, SM), M (L, SL), TAG (MK, RF<HF, UHF>) 25124 Springfield Cour, Suite 200, 91355 Valencia, CA, Usa	Tel. 1/661/257/0233	Fax 1/818/899/4045
ProxiGroup www.proxigroup.com	SI -RFID -SW SI -RFID -SW Wyscigowa 50, 53-012 Wrocław, Poland	Tel 48/572/799/061	
Quake Global www.quakeglobal.com	SI -RFID -SW SI -RFID -SW 4711 Viewridge Avenue, Suite 150 San Diego, CA 92123	Tel. 1/7858/277/7290	Fax 1/858/277/7259
Rambus www.rambus.com	MF -RFID, NFC -C (CL), M (SL, L), IC 4453 North First Street, Suite 100, San Jose, CA 95134	Tel. 1/408/462/8000	Fax 1/408/462/8001
Repacorp www.repacorp.com	D, SI -RFID - AG (RF<LF, HF, UHF>), SL, SW 31 Industry Park Court Tipp City, Ohio 45371, USA	Tel. 1/937/667/8496	
Reva Systems www.revasystems.com	MF -RFID -N/A 100 Apollo Drive, 01824 Chelmsford, MA, Usa	Tel. 1/9782440010	Fax 1/9782440055
RF Code www.rfcode.com	MF -RFID -TAG (RF), R (RF), SW 9229 Waterford Centre Blvd., Suite 500, 78758 Austin, TX, Usa	Tel. 1/512/439/2200	Fax 1/512/439/2199
RF Controls www.rf-controls.com	MF, SI -RFID, RTLS, A, IoT, SW 1400 South 3rd St., Suite 220, St. Louis, MO, 63104-4430, USA	Tel. 1/314/584/1500	
RF IDEas Inc 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

RFID4U www.RFID4u.com	MF -RFID, TAG (RF<LF, HF>), R (RF), P, SW 5159 Commercial Circle, Suite H, Concord, CA 94520, USA	Tel. 1/877/599/5584
RFID Inc www.RFIDinc.com	MF -RFID, NFC, RTLS -C (CL), TAG (RF<LF, HF, UHF>), IC, A, R (HH, FX, RF, I), T (HH, FX, RF, I) 14100 E Jewell Avenue, Suite 12, 80012-5678 Aurora, CO, Usa	Tel. 1/303/3661234 Fax 1/303/3661222
	RFID, Inc. – Manufacturer and custom developer of RFID Tags & Readers since 1984 offering 868-915 MHz UHF (active) hardware.	
RFID Technologies CC www.rf-id-systems.com	MF -RFID -TAG (RF<UHF>), R (RF), SW 236 Regent Street East, Observatory, 2198 Johannesburg, Gauteng, South Africa	Tel. 27/10/237/0675 Fax 27/86/617/8002
Sato Corporation www.satoeurope.com	MF -RFID, DC -M (L), TAG (RF<LF, HF, UHF>), P (CP, I, TTR), SW Valley Road, Harwich, Essex, CO12 4RR, United Kingdom	Tel. 44/1255/240000
Savi Technology www.savi.com	MF, SH -RFID -TAG (RF), R (RF), SW 5285 Shawnee, Suite 210, Alexandria, VA 22312, USA	Tel. 1/571/227/950 Fax 1/571/227/7902
Scemtec Transponder Technology GmbH www.scemtec.com	MF -RFID -TAG (RF<LF, HF, UHF>), R (HH, FX, RF, I), T (RF), SW Gewerbeparkstrasse 20, 51580 Reichshof-Wehrath, Germany	Tel. 49/2265/9960 Fax 49/2265/996-699
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
Seeburger www.seeburger.com	SI, SH -RFID -SW Edisonstrasse 1, 75015 Bretten, BW, Germany	Tel. 49/7252/960 Fax 49/7252/962222
Selectamark Security Systems Plc www.selectamark.co.uk	MF, D -RFID, BC -TAG (MK, DNA, RF<LF, UHF>), R (HH, FX) 1 Locks Court, 429 Crofton Rd, BR6 8NL Locksbottom, Kent, UK	Tel. 44/1689/860757 Fax 44/1689/860693
Selex Elsag www.leonardocompany.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
Sinel Systems www.sinel.com	MF, D -BC, DC, RFID -M (L, SL, TTR, H, I), TAG (RF), P (CP, I, TTR), R (HH, FX, I), S (HH, FX, I), T (HH, FX, RF, I, BT, BC), SW Adva.Castell deBarbera,37-41.CentroInd.Santiga,08210BarberadelValles(Barcelona),Spain	Tel. 34/93/745/2100 Fax 34/93/745/2101

LEGENDA

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Sirit Inc www.sirit.com	MF -RFID -TAG (RF<UHF>), A, R (FX, RF), T (RF) 372 Bay Street, Suite 1100, M5H 2W9 Toronto, Ontario, Canada	Tel. 1/4163671897	Fax 1/4163671435
Skidata AG www.skidata.com	MF, D, SI -C, RFID -C (SM, CL, OPT, MG), M (L, TTR), TAG (RF<LF, HF>), P (CP, TTR), R (HH, FX, RF), S (HH, FX, POS), SW, T (HH, FX, BC, POS, VT) Unterbergstrasse 40, 5083 Grödig - Salzburg, Austria	Tel. 43/6246/8880	Fax 43/6246/8887
Smart Label Solutions www.slsrfid.com	MF, D, SI -RFID -TAG (RF<UHF>), A, R (FX, RF), T (RF), SL, SW 1100 Durant Drive, Howell, MI 48843, USA	Tel. 1/810/229/9890	
Smartware www.smartware.fr	MF -C, RFID -EP, GP, R (RF) 7, Avenue des Andes, Le Carthagène, Z.A. de Courtaboeuf, 91940 Les Ulis, France	Tel. 33/1/6486/2525	Fax 33/1/6486/2526
Socket Mobile www.socketmobile.com	MF -BC, DC, RFID -R (HH, RF,), S (HH, POS), T (HH, RF, BC, POS), SW 39700 Eureka Drive, 94560 Newark, CA, Usa	Tel. 1/510/9333000	Fax 1/510/93330307
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-Quates, Geneva 15, Switzerland	Tel. 41/22/9292929	Fax 41/22/929/2900
Studio Card Ltd www.RFID.bg	SI, VAR, D -C, RFID -C (CL, SM), M, TAG (RF<LF, HF>), R (RF), T (RF) 36, Dragan Tsankov Blvd., Interpret World Trade Centre, Office B 324, 1040 Sofia, Bulgaria	Tel. 359/886/718545	Fax 359/2/9693330
TAGnology www.tagnology.com	MF -RFID, RTLS -C (CL), TAG (RF<MW>), A, R (HH, FX, RF, I), T (HH, RF), SW Grazer Vorstadt 142, A-8570 Voitsberg, Austria	Tel. 43/3142/289/2817	Fax 43/3142/289/2820
The Tag Factory www.thetagfactory.com	MF, RFID, TAG (RF<LF, HF, UHF>) Bisonlaan 3, 5691 GC Son, The Neherlands	Tel. 31/653940020	
	The Tag Factory (TTF) is a manufacturer of High Quality RFID tags at very competitive pricing for a wide range of Tracking&Tracing and Assetmanagement projects. With 180 employees TTF produces RFID tags in LF/HF/UHF frequencies and has more than 100 standard tags in the productrange. Reading distance up to 18m with UHF passive on metal tags. ATEX/ex certified tags for oil&gas applications. Sales through a worldwide authorized System Integrators network. Small quantities can be ordered at the website for evaluation.		
Tag Italia www.tagitali.it	VAR, SI -RFID, RTLS -TAG (RF<LF, HF, UHF, MW>), R (RF), A, EP Via Fra i Campi, 13C, 59012 Prato Galciana, Italy	Tel. 39/0574/816434	Fax 39/0574/815476
Tagmaster www.tagmaster.com	MF -RFID -TAG (RF<LF, HF, UHF>), R (RF) Kronborgsgränd 11 S-164 46, Stockholm, Sweden	Tel. 46/8/632/1950	
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
Tharo Systems Inc www.tharo.com	MF, SH, D -BC, RFID -M (L, TTR), P (CP, I, TTR), SW, MC 2866 Nationwide Parkway, P. O. Box 798, 44212-0798 Brunswick, OH, Usa	Tel. 1/330/2734408	Fax 1/330/2250099
Toshiba TEC Europe RIS www.toshibatec-eu.com	MF -BC, RFID -M (TTR), TAG (RF<UHF, MW>), P (CP, I, TTR), T (BC, POS), SW Rue de la Céliidée 33, Celideestraat 33, 1080 Brussels, Belgium	Tel. 32/2/4102100	Fax 32/2/4107987

Trackx trackx.com	SW, SI -RFID -SW 7800 East Union Avenue, Suite 430, Denver, CO 80237	Tel. 1/303/325/7300
Transcore www.transcore.com	MF, SI -RFID -TAG (RF<UHF, MW>), R (HH, FX), SW 150 4th Avenue North, Suite 1200, Nashville, TN 37219, USA	Tel. 1/615-988/8960
Trolley Scan (Pty) Ltd www.trolleyscan.com	MF -RFID, RTLS -TAG (RF<UHF>), R (RF) P.O.Box 59227, 2100 Kengray, Johannesburg, South Africa	Tel. 27/10/2370675 Fax 27/866/178002
Trovan Ltd. www.trovan.com	MF -RFID -TAG (RF<LF>), R(RF), T(RF), SW, C(CL), IC, A Gruenguertelstr 12, D-50996 Koeln, Germany	Tel. 49/221/3911203 Fax 49/221/395893
Two Technologies, Inc. www.2T.com	MF -DC, RFID -T (HH, RF, I, BC, BT) 419 Sargon Way, 19044 Horsham, PA, Usa	Tel. 1/215/4415305 Fax 1/215/4410423
Ubisense www.ubisense.net	MF -RTLS -TAG(RF), A, R, SW 90 St. Andrews Road, CB4 1DL Cambridge, UK	Tel. 44/1223/535170 Fax 44 /1223/535167
Videojet Technologies Inc www.videojet.com	MF -BC -TAG (MK), M (L, TTR), P (I, TTR) 1500 Mittel Blvd, 60191-1073 Wood Dale, IL, Usa	Tel. 1/630/8607300 Fax 1/630/800/582/1343
Wavetrend UK Ltd www.wavetrend.net	MF -RFID -TAG (RF), R (RF) Barlavington Stud, Barlavington, Petworth, West Sussex, GU28 0LG, UK	Tel. 44/330/223/2085
Wisteq Oy www.wisteq.com	MF -RFID -TAG (RF<HF, UHF>), C (CL) Salvesenintie 6, 40420 Jyväskylä, Finland	Tel. 358/40/5047963
Xerafy Ltd. www.xerafy.com	MF -RFID -TAG (RF<UHF>) Lippo Center Tower II, Unit 3709, 89 Queensway, Admiralty,, Hong Kong	Tel. 86/139/1727/0931
Zebra Technologies Corporation www.zebra.com	MF -BC, RFID, C -P, M (L, SL) 333 Corporate Woods Parkway, 60061-3109 Vernon Hills, IL, Usa	Tel. 1/847/6346700 Fax 1/847/9138766
Zest Labs www.zestlabs.com	MF -RFID, DC -TAG (RF<UHF>), R (HH, FX, RF), A, IC 2349 Bering Dr. San Jose, CA 95014, USA	Tel. 1/408/213/8850
Zucchetti Axess TMC SpA www.axesstmc.com	MF -BC, C, RFID, B, DC -C (MG, CL, FP), R (HH), T (BC, FP) Via della Filanda, 22, 40133 Bologna, BO, Italy	Tel. 39/051/3519311 Fax 39/051/3519399

LEGENDA

ROLE IN THE VALUE CHAIN D = Distributor MF = Manufacturer SH = Software House SI = System Integrator VAR = Value Added Reseller	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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