

ID WORLD

THE PLAYERS OF THE AUTO ID INDUSTRY

RFID

2017 BUYER'S GUIDE

Hadrian Media

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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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 reader 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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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 solu-



tions, 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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www.infineon.com

Your reliable machinery partner in innovative ID projects

MELZER®

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-visastickers 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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Specialised solutions provider of technically sophisticated RFID system components



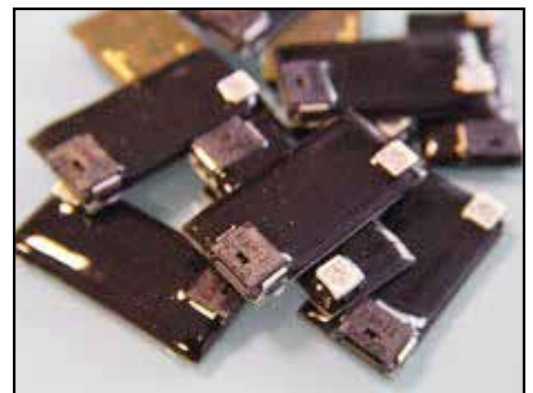
microsensys operates as an innovative company in the field of development and production of RFID components. With an expertise of more than 20 years in the RFID market microsensys evolved into a market leader for customized RFID hardware solutions. With its broad portfolio consisting of highly diverse HF and UHF transponders with the perfect matching reader components and software tools microsensys operates especially in niche markets.

The core competencies are sensor integration and miniaturization as well as special packaging and product design. Founded in 1991 in Erfurt, microsensys became the market leader for specialised RFID system solutions based on a wide standard product range in the HF and UHF frequency areas.

This range, consists of different RFID transponders, innovative RFID sensor transponders and data loggers as well as smart low-power RFID read/write

devices and user-friendly software tools.

A wide variety of completed RFID projects in various industries and manufacturing our own products in Erfurt, give microsensys the ability to respond very flexibly to specific customer requirements.



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An identification portfolio covering a complete range of ICs for smart cards, tags, labels and readers

NXP's offering ranges from low-cost smart label ICs for high-volume supply chain management applications through to their next generation 32-bit smart-computing platform for powerful multi-application smart cards. The identification portfolio covers a complete range of ICs for smart cards, tags, labels and readers, featuring many coprocessor, security, memory and interface options.

NXP also offer a comprehensive range of contact and contactless reader ICs for various identification ap-



plications. NXP RFID technology is utilized in a wide range of applications, including animal identification, public transport, logistics and supply chain management – all supported by their product families Hitag, Mifare, ICode and UCode – covering all RFID frequencies. Its numerous possibilities, plus the fact that there are over 2 billion NXP RFID-based cards, tickets, tags and labels issued and over 7.5 million contactless readers installed worldwide, make it suitable for use in an incredibly wide array of design scenarios.

NXP creates semiconductors, system solutions and software that deliver better sensory experiences in mobile phones, personal media players, TVs, set-top boxes, identification applications, cars and a wide range of other electronic devices. Investment in research and development at NXP is high with some 7,500 engineers working at 26 R&D centers located in 14 countries, they hold over 25,000 patents.



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Your partner of choice for RFID solutions

SMARTRAC is the leading developer, manufacturer and supplier of RFID and NFC transponders, tags and inlays. The company produces both ready-made and customized solutions used in access control, animal identification, automated fare collection, border control, RFID-based car immobilizers, contactless payment cards, electronic product identification, industry, libraries and media management, laundry, logistics, mobile and smart media, public transport, retail, and many more.



With more than 700 patents and patent applications and a comprehensive technology portfolio, we have set leading standards across all fields in the global RFID industry. The company has a global expertise in design of RFID components, high-end wafer processing, as well as superior assembly-, bonding- and lamination technologies. Our RFID transponders fulfil the highest security and quality requirements and cover all current frequencies (LF, HF, UHF and hybrid) in the global RFID market.

SMARTRAC has its registered headquarters in Amsterdam, The Netherlands. The company maintains a global research and development, production and sales network to deliver customized solutions across all industries.



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3M	MF -RFID -C (CL), M (L)		
www.3m.com/security	Center Bldg 225-4N-14, 55144-1000 St Paul, MN, Usa	Tel. 1/800/3280067	Fax 1/800/2235563
4P Mobile Data Processing	MF -DC, RFID, NFC -P (POS), R (HH, RF, I), S (HH, I, POS), T (HH, RF, I, BT, BC, FP, POS, VT)		
www.4p-online.com	Via Germania 15, 35127 Padova, Italy	Tel. 39/049/8069811	Fax 39/049/8069843
ABnote	MF -C, RFID, NFC -C (MG, CM, SM, CL, FP), M (SL), TAG (RF<HF>)		
www.abnote.com	2200 Fletcher Avenue, 07024 Fort Lee, NJ, Usa	Tel. 1/201/592/3400	Fax 1/201/224/2762
Acig AG	D -RFID, NFC -IC, TAG (RF<LF, HF>)		
www.acig-ag.com	Erthalstraße 1, Bonifaziusturm B, 55118 Mainz, Germany	Tel. 49/6131/629940	Fax 49/6131/6299411
AEG Identifikationssysteme GmbH	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		
www.aegid.de	Hörvelsingerg Weg 47, 89081 Ulm, Germany	Tel. 49/7/3114/00880	Fax 49/7/3114/0088/9000
Agorabee	MF -RFID -TAG (RF<LF, HF>), R (HH, FX, RF, MW)		
www.agorabee.com	Avenue du 24 Janvier, 11., CH-1020 Renens., Switzerland,	Tel. 41/21/632/78/80	Fax 41/22/545/77/04
Alien Technology	MF -RFID, RTLS -M (SL), TAG (RF<HF, UHF>), IC, A, R (RF, I)		
www.alientechnology.com	18220 Butterfield Blvd, 95037 Morgan Hill, CA, Usa	Tel. 1/408/7823900	Fax 1/408/7823908
Allflex Europe (UK) Ltd	MF, SH, SI -RFID -TAG (RF<LF>), A, R (HH, FX, RF)		
www.allflex.co.uk	Units 6, 7, and 8 Galalaw Business Park, TD9 8PZ Hawick, UK	Tel. 44/1450/364120	Fax 44/1450/364121
ARH Inc.	MF -B, RFID, DC, BC -BC, R (HH, FX, RF, I), S (HH, FX, POS, I, OCR), SW (S)		
www.arhungary.hu	41. Alkotás St., HU-1123 Budapest, Hungary	Tel. 36/12019650	Fax 36/12019651
ASK	MF -C, RFID -C (CL), M (SL), TAG (RF<HF, UHF>), P (HH), R (HH)		
www.ask-RFID.com	2260 route des Crêtes, BP337, 06906 Sophia-Antipolis, France	Tel. 33/4/97214000	Fax 33/4/92389321
Atmel	MF -RFID -IC (CL, RF<LF, HF, UHF, MW>)		
www.atmel.com	2325 Orchard Parkway, 95131 San Jose, CA, Usa	Tel. 1/408/4410311	Fax 1/408/4364200
Atms plc	SI -BC, RFID, DC -M (L, TTR), P (CP, I), R (RF), S (HH, FX), T (RF, BT, BC), SW		
www.atmsplc.com	Number One Holt Court, Aston Science Park, B74EJ Birmingham, UK	Tel. 44/121/6289000	Fax 44/121/3594200
Avery Dennison RFID	MF -RFID -M (SM), TAG (RF<HF, UHF>)		
www.RFID.averydennison.com	4350 Avery Drive, 30542 Flowery Beach, GA, Usa	Tel. 1/866/903/7343	
Avonwood Development Ltd	MF, SI, SH -RFID -TAG (RF<LF, HF, UHF, MW>), R (FX, RF, I), T (RF), SW, A		
www.avonwood.co.uk	Knoll Technology Centre, Staplehill Road, BH217ND Wimborne, Dorset, UK	Tel. 44/1202/868000	Fax 44/1202/868001
Awid Inc	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)		
www.awid.com	18300 Sutter Blvd., 95037 Morgan Hill, CA, Usa	Tel. 1/408/825/1100	Fax 1/408/782/7402
Access International, Inc	MF, SI -RFID, C -TAG (RF), R, SW		
www.accessinc.com	3208 Commander Drive, 75006 Carrollton, TX, Usa	Tel. 1/972/4076080	Fax 1/972/4079085
Axiome Alpha SA	MF -RFID, BC -S (OCR), T (HH, RF, BT, BC)		
www.axiome.ch	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
Balogh www.balogh-RFID.com	MF -RFID -TAG (RF<LF, HF, UHF>), R (RF) 189 rue d'Aubervilliers, 75886 Paris Cedex 18, France	Tel. 33/1/4465/6500	Fax 33/1/4465/6510
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
Bielomatik Leuze GmbH & Co KG www.bielomatik.com	MF -RFID, NFC -MC, C (SM, CL), M (L, SL), TAGS (RF <HF, UHF, MW>, EAS), A, P (I), R (RF), EP, GP Daimlerstrasse 6-10, 72639 Neuffen, Germany	Tel. 49/7025/120	Fax 49/7025/121117
	For about 60 years and with an export rate of more than 80 percent, bielomatik has been proud to contribute to a legacy of automation, precision and high performance technology around the world. From banknotes to books, transponder labels to lubrication and from tickets to fuel tanks, our customers have experienced our willingness to help them in their drive to improve their enterprise.		
Brooks Automation GmbH www.brooks-RFID.com	MF, SI -RFID -A, R (HH, FX, RF) Gartenstrasse 19, 95490 Mistelgau, Germany	Tel. 49/9279/991/550	Fax 49/9279/991/501
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

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

Confidex Ltd. www.confidex.com	MF -RFID, NFC -TAG (RF<HF, UHF>, I), M (SL), C (CL) Haarlankatu 1B, 33230 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
Datamars www.datamars.com	MF -RFID -TAG (RF<LF, HF>), A, R (HH, RF) Via ai Prati, CH-6930 Bedano - Lugano, Switzerland	Tel. 41/91/9357380	Fax 41/91/9450330
Datamax O'Neil www.datamax-oneil.com	MF -BC, RFID -M (L, SL, TTR), P 4501 Parkway Commerce Boulevard, 32808 Orlando, FL, Usa	Tel. 1/800/816/9649	Fax 1/407/5788377
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 Dreisteinstrasse 47, 2372 Giesshuebl, Austria	Tel. 43/2236/377668/0	Fax 43/2236/377668/11
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) 16845 Highway 27, LOG 1T0 Schomberg, ON, Canada	Tel. 1/905/939/9265	Fax 1/905/939/9266
Digital Angel Corporation www.digitalangel.com	MF -RFID -TAG (RF<LF>), S (HH, FX) 490 Villaume Avenue, 55075-2443 South St. Paul, MN, Usa	Tel. 1/651/455/1621	
Digital Identification Solutions AG 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 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) Coldharbour Lane, BS16 1QD Frenchay, Bristol, UK	Tel. 44/117/9313232	Fax 44/117/9313099
Ekahau www.ekahau.com	MF, SH -DC, RTLS -TAG (RF), SW 1851 Alexander Bell Drive, 20191 Reston, VA, Usa	Tel. 1/703/860/2850	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.extremetag.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) Automaatitie 1, 90460 Oulunsalo, Finland	Tel. 358/40/344/2000	Fax 358/8/570/1301

Elsag Datamat www.elsagdatamat.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. 39/010/6582215	Fax 39/010/6512329
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
Euro Link Srl www.euro-link.it	MF, SI, VAR -RFID, DC -C (SM), M (SL), TAG (RF<LF, HF, UHF>), A, R (FX, HH, I), T (RF), SW, EP V. delle Industrie, 7, 30175 Marghera, VE, Italy	Tel. 39/041/5093861	Fax 39/041/5093096
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
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	
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
Ferrox Tag www.ferroxtag.com	MF -RFID -TAG (RF<HF>) Via le Brianza 20, 20092 Cinisello Balsamo (MI), Italy	Tel. 39/02/66045469	Fax 39/02/61291739

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
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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

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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

Fluensee www.fluensee.com	SW, SI -RFID -SW 9233 Park Meadows Drive, CO 80124 Lone Tree, Usa	Tel. 1/303/799/0700	Fax 1/303/799/0703
Generale Sistemi - Tag Italia www.generalsistemi.com	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
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.graphicsolutionsinc.com	MF -RFID -M (SL) 311 Shore Drive, 60527 Burr Ridge, IL, Usa	Tel. 1/630/3258181	Fax 1/630/3258197
Guangzhou XinTag Electronics Science and Technology Co. Ltd. www.xintag.com	MF -RFID -TAG (RF<HF>) 3F Section E Guangzhou Technology Innovation Base, No.80 Lan Yue Road, 510663 Guangzhou, China	Tel. 86/2038634538	Fax 86/2038634538
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
Höft & Wessel AG www.hoeft-wessel.com	MF -RFID, NFC, BC, DC -R (HH), S (HH, POS), T (HH, BC, POS, VT), SW Rotenburger Strasse 20, 30659 Hannover, Germany	Tel. 49/511/61020	Fax 49/511/6102/411
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 www.idsys.es	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 Calle Sanchez Pacheco, 73, 28002 Madrid, Spain	Tel. 34/91/7444460	Fax 34/91/5197213
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
Identive Group www.identive-transponders.com	MF -RFID -TAG(RF<HF, UHF>), M (SL), D - RFID, NFC - IC, TAG (RF<LF, HF>) Mu_hlweg 2c, 82054 Sauerlach, Germany	Tel. 49/8104/6495100	Fax 49/8104/6495110
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
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

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 Neuburg, Germany	Tel. 49/800/951951951	Fax 49/89/2349553431
	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.		
Inotec UK www.inotec.info	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
Inside Secure www.insidesecond.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
Intelleflex Corporation www.intelleflex.com	MF -RFID, DC -TAG (RF<UHF>), R (HH, FX, RF), A, IC 2465 Augustine Drive #102, 95054 Santa Clara, CA, U.S.A.	Tel. 1/408/200/6500	Fax 1/408/200/6599
Intelligent Ltd www.intelligent.co.uk	SI -BC, RFID -M (SL), TAG (RF<HF, UHF>), R (HH, FX, RF), T (BC, RF) Intelligent House, Southgate 3, 323 Wilmslow Road, SK8 3PW Stockport, UK	Tel. 44/161/4981140	Fax 44/161/4368787
Kapsch TrafficCom AB www.kapsch.se	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
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
Lowry Computer Products Inc www.lowrycomputer.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

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

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
Magellan Technology Pty Ltd www.magellan-technology.com	MF -RFID -M(SL), TAG (RF<HF>), IC, R (FX, RF), A 65, Johnston St, NSW 2038 Annandale, Sydney, Australia	Tel. 61/2/9562/9800	Fax 61/2/9518/7620
Manhattan Associates www.manh.com	SH -RFID -VR, SW 2300 Windy Ridge Parkway, 7th Floor, 30339 Atlanta, GA, Usa	Tel. 1/770/9557070	Fax 1/770/9550302
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	
MCF RFTech Srl www.mcfgroup.com	MF, SH -C, NFC -C (CL), TAG (RF<HF>), A, R (RF), T (RF, POS), SW Via Roma, 3, 28069 Sozzago (NO), Italy	Tel. 39/0321/700008	Fax 39/0321/700010
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
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
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	
MRFID www.mRFID.it	MF -RFID -C (CL), TAG (RF<LF, HF, UHF, MW>), R (RF), SW, T (RF), A Via Arno, 36, 80126 Napoli, Italy	Tel. 39/081/646983	Fax 39/081/3606901
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) 1700 South Patterson Blvd, 45479 Dayton, OH, Usa	Tel. 1/888/979/8627	Fax 1/888/449/2349
Nedap AVI www.nedapavi.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

Nexperts www.nexperts.com	SH -NFC, RFID -SW, T (HH, RF), TAG (RF:HF), R (HH, RF) Software Park 37, A-4232 Hagenberg, Austria	Tel. 43/7236/33514610	Fax 43/7236/33514699
Niceware International www.nicewareintl.com	SH -BC -SW, M (L) 10437 Innovation Drive, Suite 225, 53226 Milwaukee, WI, Usa	Tel. 1/414/4766423	Fax 1/414/4767955
Nordic ID www.nordicid.com	MF -RFID, BC, DC -R (RF<UHF>, HH), T (HH, RF, BC, BT, POS) Myllyojankatu 2A, 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. 43/31/24299990	Fax 43/31/24299270
OATSystems www.oatsystems.com	SH -RFID -SW 309 Waverley Oaks Road, Suite 306, 02452 Waltham, MA, Usa	Tel. 1/781/907/6100	Fax 1/781/907/6098
Odin www.odintechnologies.com	SI -RFID -SW 22960 Shaw Road, Suite 600, 20166 Dulles, VA, Usa	Tel. 1/703/968/0000	Fax 1/703/456/0148
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>) 1065 East Hillsdale Boulevard, Suite 400, 94404 Foster City, CA, Usa	Tel. 1/650/571/6664	
Omron Corporation www.ia.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	
Panmobil www.panmobil.com	MF -RFID, BC, DC -R (HH, RF, I) Hansestr. 91, 51149 Köln, Germany	Tel. 49/2203/10334777	Fax 49/2203/10334720
Parlex www.parlex.com	MF -C, RFID -C (SM, CL), M (L, SL), TAG (RF<HF, UHF>), A Taylor Road, PO30 5LG Newport, Isle of Wight, UK	Tel. 44/1983/526535	Fax 44/1983/524964

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RF = Radio Frequency
SL = Smart Labels
SM = Smart
TTR = Thermal Transfer Ribbon
UHF = Ultra High Frequency
VF = Verifier
VT = Vehicle Terminal

Partitalia www.partitalia.com	MF, SI -RFID -C (CL), M (SL), IC, A, TAG (RF<LF, HF, UHF>), R (RF), T (RF, POS) largo S. D'Aquisto, 7, 20020 Lainate (MI), Italy	Tel. 39/029372413	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 Koenigsberger Allee, 87, 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
PowerID Ltd. www.power-id.com	MF -RFID, RTLS -TAG (RF<UHF>), R (RF) 21 Yegia Kapaim St., 49130 Kiryat Arye, Petah Tikva, Israel	Tel. 972/3/9204200	Fax 972/3/9204222
Precision Dynamics Corporation www.pdcorp.com	MF -RFID, BC -C (CL, SM), M (L, SL), TAG (MK, RF<HF, UHF>) 27770 N Entertainment Dr. Suite #200, 91355 Valencia, CA, Usa	Tel. 1/661/257/0233	Fax 1/818/899/4045
Psion Teklogix www.pSION.com	MF -BC, DC, RFID -R (HH, RF, I), S (OCR), T (FX, BT, VT), P, VR 2100 Meadowvale Blvd, L5N 7J9 Mississauga, ON, Canada	Tel. 1/905/813/9900	Fax 1/905/812/6275
RedPrairie www.redprairie.com	SI -RFID -SW 20700 Swenson Drive, 53186 Waukesha, WI, Usa	Tel. 1/262/317/2000	Fax 1/262/317/2001
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 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
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) 14190 E. Jewell Avenue, Suite 4, 80012-5678 Aurora, CO, Usa	Tel. 1/303/3661234	Fax 1/303/3661222
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
RF-iT Solutions GmbH www.rf-it-solutions.com	SH -RFID -SW Hans-Resel-Gasse 17a, 8020 Graz, Austria	Tel. 43/316/7111110	Fax 43/316/711111/900

ruhlat GmbH www.ruhlat.com	MF - C, RFID - A, C(CL), EP (MK), GP, MC Sonnenacker 2, 99819 Marksuhl, Germany	Tel. 49/369259290	Fax 49/36925929111
	ruhlat is an innovative engineering and machine building company with its headquarters located in Germany. Activities are focused on smart card and passport processing technology, e.g. passport production and personalization, card production and personalization, module preparation as well as Inlay/RFID solutions and special machinery. ruhlat branches and representations throughout the world create an ideal basis for a professional and area-spanning service network.		
Sato Corporation www.sato.co.jp	MF -RFID, DC -M (L), TAG (RF<LF, HF, UHF>), P (CP, I, TTR), SW 21-3, Ebisu 1-chome, 150-0013 Shibuya-ku, Tokyo, Japan	Tel. 81/3/54494401	Fax 81/3/38644464
Savi Technology www.savi.com	MF, SH -RFID -TAG (RF), R (RF), SW 351 East Evelyn Ave., 94041 Mountain View, CA, Usa	Tel. 1/408/7438000	Fax 1/408/5438650
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
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
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.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
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
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

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

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
SkyeTek www.skyetek.com	MF -RFID, C -R (HH, FX, RF, I), SW, A 11030 Circle Point Road, Suite 300, 80020 Westminster, CO, Usa	Tel. 1/720/5650441	Fax 1/720/5658989
Smartrac Technology GmbH www.smartrac-group.com	MF -RFID, NFC -TAG (RF<LF, HF, UHF>), A, M (SL), C (CL) Albstrasse 14, 70597 Stuttgart, Germany	Tel. 49/711/656/92610	Fax 49/711/656/92611
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
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-Ouates, 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., Interped 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.		
Tagstar Systems GmbH www.tagstar-systems.de	MF -RFID -TAG (RF<HF, UHF>), M (SL) Mühlweg 2c, 82054 Sauerlach, Germany	Tel. 49/8104/649510	Fax 49/8104/649511
Tagsys RFID www.tagsysRFID.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 785 Voie Antiope - ZI Athélia III, 13600 La Ciotat, France	Tel. 33/4/4218/8900	Fax 33/4/4218/8901
Take Supply Chain www.takesupplychain.com	SH -RFID, DC, BC -SW, TAG (RF), M (L, SL), T (BC, RF, HH, VR) 6805 Capital of Texas Hwy - Suite 370, 78731 Austin, Texas, Usa	Tel. 1/512/2318191	Fax 1/512/2310292
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

ThingMagic, Inc. www.thingmagic.com	MF, SI -RFID, RTLS -A, TAG, T (HH, FX), R (HH, FX), SW One Broadway, 5th Floor, 02142 Cambridge, MA, Usa	Tel. 1/866/833/4069	Fax 1/617/225/4410
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 Célidée 33, Celideestraat 33, 1080 Brussels, Belgium	Tel. 32/2/4102100	Fax 32/2/4107987
Transcore www.transcore.com	MF, SI -RFID -TAG (RF<UHF, MW>), R (HH, FX), SW 8158 Adams Drive, Liberty Centre - Bldg. 200, 17036 Hummelstown, PA, Usa	Tel. 1/717/561/2400	Fax 1/717/564/8439
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) Parkshot House, 5 Kew Road, TW9 2PR Richmond, Surrey, UK	Tel. 44/208/334/8400	Fax 44/208/334/8401
Wincor Nixdorf International GmbH 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
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	
Zucchetti Axxess TMC SpA www.axessstmc.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

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