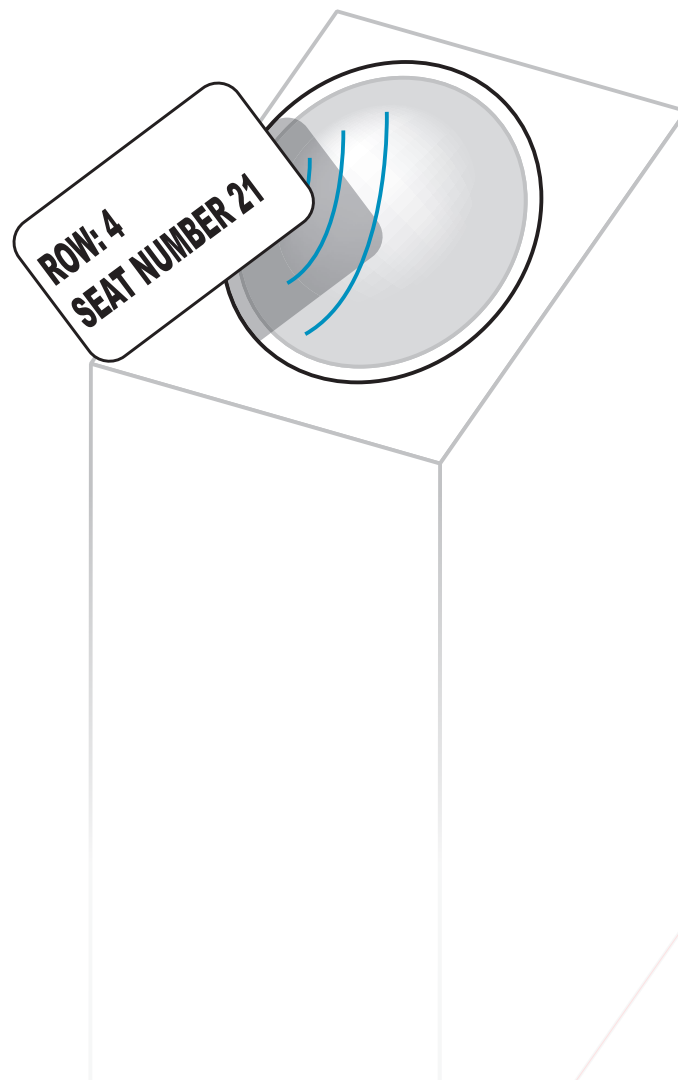
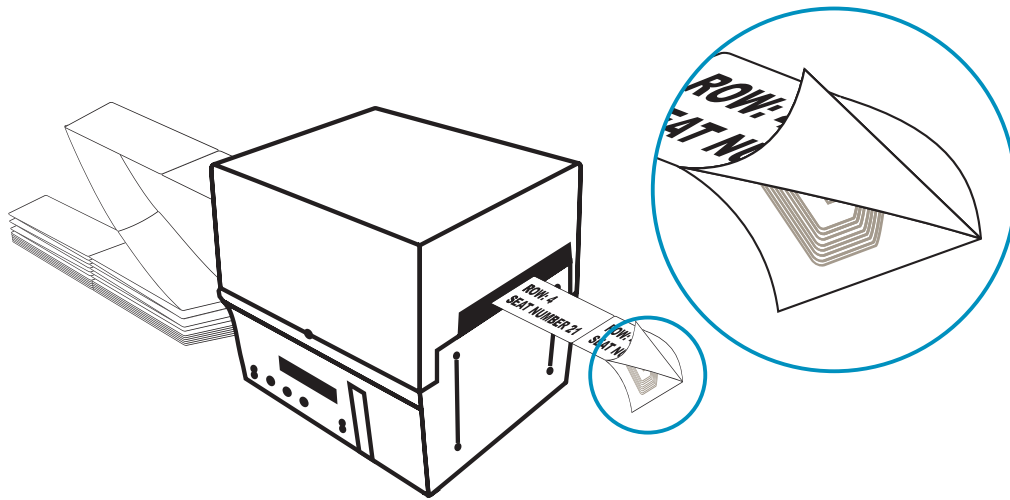


## Radio-Frequency Identification (RFID)



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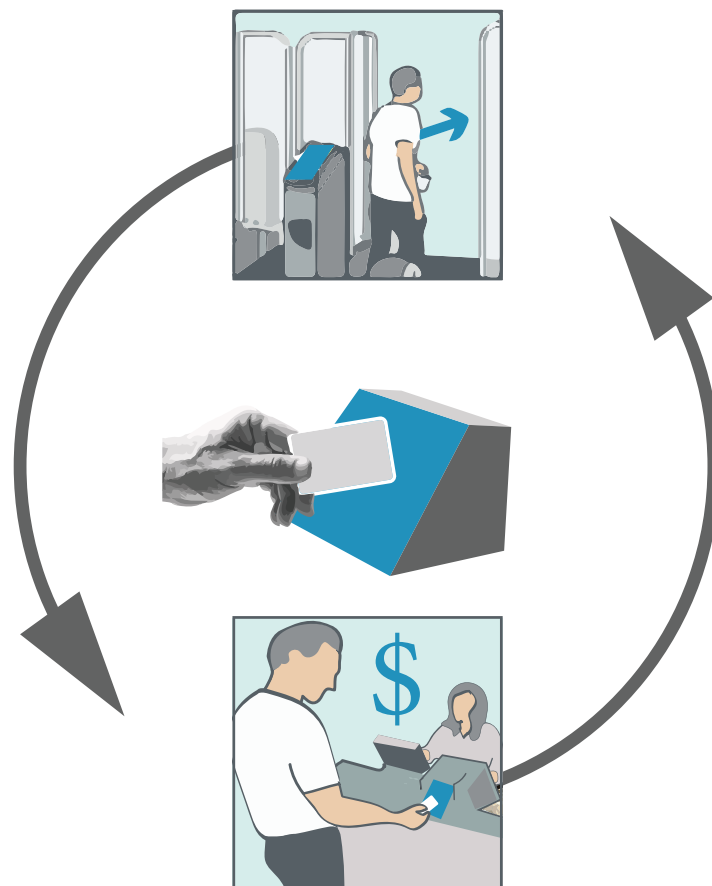
## RFID

TLS - Boca Systems has a fully dedicated department for Chip-on-Paper, RFID Cards and RFID Label solutions.

TLS - Boca Systems offers:

- tickets fan-folded, in rolls or single
- technology on the top of the market: we can propose all the major chips used directly from our stock, both HF and UHF
- tickets in various sizes
- a graphic quality difficult to match
- big and small productions
- Flexible according to the client's needs
- very fast delivery time
- competitive price

Furthermore we can propose a **FULL PACKAGE** including: thermal RFID printers and RFID thermal tickets. This package grants an extended warranty of the printer and mainly the print head. We will make sure printer and tickets are compatible.



## Sport & Leisure

RFID can be integrated into contact-less cards and tickets, providing robust solutions for the sports and leisure market. A growing number of sporting event organisers and ticketing officials are embracing this innovative technology, with its advanced data collection capability.

### Transforming your business

The following are key needs that can be addressed when you integrate RFID into your ticketing solutions:

- Speed and secure access control
- New marketing opportunities (tailor-made prices, integration with other areas: bars, shops,...)
- Reduced ticketing fraud
- Improved customer information
- Reduced maintenance costs

### The Challenge: Ease of access

With RFID, ticketing solutions can be more responsive than ever before.

Automatic, 'hands free' reading capability will:

- Facilitate much faster movement of people, minimising queues.
- Enable you to record real-time data accurately and reliably, in a wide range of environments and conditions.

### Strategic Power

RFID offers the potential to control how many people will have access in a particular place, at a set time (while addressing privacy issues). This information can be channelled into your business strategy, enabling you to focus your service more accurately and reap significant benefits for your business.

### Responding to your needs

TLS - Boca Systems shareholders provide tickets and cards for the major events in more than 25 countries. Whatever your area of specialisation from season passes to leisure cards TLS - Boca Systems can tailor our solutions to a wide range of individual applications.

With our exemplary track record in sports and leisure, we are ideally placed to maximise the power of RFID for the benefit of our customers.

### Product Range

- Fan-folded and Rolls and Singles
- Direct thermal and thermal transfer
- Paper, Waterproof Materials and PVC
- Multiple ticket sizes and presentation formats
- Added Security features
- Personalization and encoding service
- Full Package with RFID Thermal Printer

## Public Transportation

RFID based contact-less technologies offer transit operators great possibilities to reduce maintenance costs, secure their investments, offer faster, and more value-added services and enhance the transport experience for consumers. RFID offers significantly greater data-collection capability than the technologies that are commonly being used to transport people from one destination to another. This data can be used by transit operators to deliver more customized services to a broader customer base.

### **The Challenge: Lower Costs & Increase Revenues**

Due to decreased funding and increased competition from other methods of transport, public transit operators are faced with the challenge of decreasing cost and increasing revenues. RFID technologies can be an enabler to meet this challenge by:

- Reduced maintenance costs by minimizing wear and tear on gate terminals through contact-less tickets and cards
- Lower distribution costs by improved transit logistics resulting from better demand data collected by RFID systems
- Increased revenue by the extension of product range affording improved market penetration
- Improved customer relationships including the simplification of customer loyalty schemes

### **A Secure Future**

The necessity for application expansion alongside business growth is putting security under higher levels of security. With the help of RFID, you can greatly reduce the possibility of fraud by reducing the amount of cash handled while at the same time managing the travel of significant numbers of people more effectively and efficiently than ever before.

### **Market Focused Solutions**

TLS - Boca Systems is now offering, with our state of the art RFID ticket and card manufacturing processes, a highly innovative and mission-critical solution to harness the power of RFID. We are able to integrate this technology with traditional technologies to offer innovative solutions that will bring this revolutionary new technology to your organisation, on your terms, now and into the future.

### **Product Range**

- Fan-folded, Rolls and Singles
- Direct thermal and thermal transfer
- Paper, Waterproof Materials and PVC
- Multiple ticket sizes and presentation formats
- Added Security features
- Personalization and encoding service
- Full Package with RFID Thermal Printer

## RFID Labels

### Supply Chain Management

Accurate identification and tracking of goods is essential in today's highly competitive retail market. More than ever before, there is pressure on manufacturers, distributors and retailers to maximise efficiency, minimise cost and provide the best possible value for the final-customer.

### The Challenge: New levels of efficiency

Companies investing in RFID are experiencing new levels of supply chain efficiency. This innovative technology is increasing all over the visibility of goods. Utilising RFID technology, large quantities of information can be analysed and made available to internal and external systems in near-real time, which is crucial to improve the quality of business operations. With the help of RFID, you will be able to achieve:

- Improved tracking of high-value items
- Reduced shrinkage and shipping errors
- Inventory visibility, accuracy and efficiency
- Improved production planning and smart recalls
- Technology standards to lower costs

### New possibilities

RFID offers a unique combination of control and flexibility. Unprecedented levels of accuracy allow manufacturers and retailers to operate and collaborate more effectively, so both can be more responsive to the needs of their customers - the end result is greatly improved on-shelf availability.

### Managing Technology

TLS - Boca Systems is at the forefront of RFID technology development. Our innovative application of new technology, as well as partnerships with key technology suppliers, has enabled us to develop market-leading positions in specific business areas.

With our extensive experience of data management, TLS - Boca Systems can work with you to assess the individual requirements of your business. We will then devise ground-breaking RFID solutions to guarantee, for all your consumers, a more positive shopping experience than ever before.

### RFID Labels

TLS - Boca Systems has the capability to integrate RFID transponders into a wide portfolio of label constructions. In collaboration with world-class technology partners, we can design and manufacture an RFID Label product that meets your specific business and technology requirements.

We can also integrate your label with additional security features (hologram, UV inks, etc.) and print it in OFFSET to grant an outstanding graphic result.

Furthermore we can propose a FULL PACKAGE including: thermal RFID printers and RFID thermal labels, both UHF and HF. This package grants an extended warranty of the printer and print heads life and, mainly, that everything will work in the most efficient way.

### Applications

- Supply Chain Logistics
- Postal and Courier Labelling
- Asset Tracking
- Security
- Access Control
- Library Management
- Pharmaceutical Tracking
- Anti-counterfeiting and diversion

### Frequencies

- 869\*915 MHz - UHF
- 13.56 Mhz - ISO 14443
- 13.56 MHz - ISO 1593

### Product Range

- Self adhesive
- Pallet, case, tote label form factors
- Thermal transfer and direct thermal printable
- Shielding and protective material availability
- Encoding and personalization services

## Ski-passes, RFID Tickets & PVC Cards

### PVC Cards

With all the majors chips and with a unique numbers of features:

- Hot stampings
- Special die cutting
- Foils
- Serigraphic applications
- Various options for sizes

### RFID Tickets

With all the majors chips and with a unique numbers of features:

- In order to save on maintenance costs, you can avoid using bar-code and mag-stripe scanners
- Tickets can be used at multiple resorts and for complementary services
- Our fan-folded tickets solutions, integrated with thermal printer, offer you a much more speed, efficient and cost effective options than the traditional single ticket version
- Multiple applications allow you to bundle products and form valuable business partnerships
- Customize tickets with your corporate ID and boost income by incorporating sponsor ads
- A disposable tickets that is water-resistant and durable
- Users enjoy convenient hands-free scanning especially when loaded with ski gear
- You enjoy fast scanning of users through gates and security features to minimize fraud

### Properties

- Water-resistant tickets for use during a limited period of time
- Manufactured in Europe
- Various different options of sizes/formats, according to client needs
- Fan-folded and single
- One-time printable, multiple times code-able
- Suitable for permits
- Front-side: 4 colours offset print, Back-side: 4 colours offset print, according to Customer specific design
- Fraud Protection
- Hands-free access

Furthermore we can propose a FULL PACKAGE including: thermal RFID printers and RFID thermal tickets. This package grants an extended warranty of the printer and print heads life and, mainly, that everything will work in the most efficient way.

### Dimensions

54mm x 85,7mm or as required by the Client

### Technology

RFID according to ISO 15693 or ISO 14443/a or as required by the Client

### Materials

special materials, water resistant

### Surface

scratch-resistant thanks to its transparent laquer, glossy

### Typical period of use

up to 10 days

### Fraud protection

transaction security, password protection, data encryption

### Manufacturing quality

100% quality check, failure rate smaller than 5 promille fan folded tickets, 1 promille single tickets

### Ambient conditions

-30°C and +50°C (-22°F to and +122°F); 0% to 100% relative humidity

### Storing

in its original packaging between -5°C and +25°C (+23°F and +77°F); with a relative humidity of max 60%.

### Frequencies

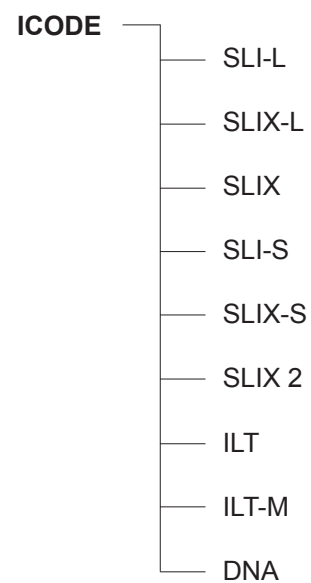
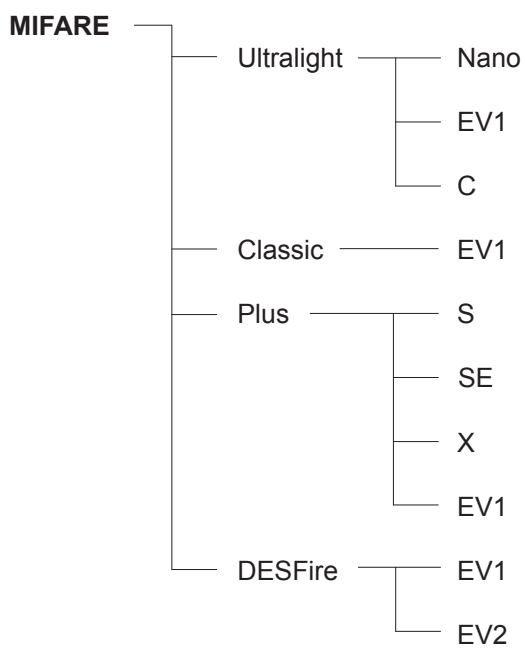
869-915 MHz - UHF / 13.56 MHz - ISO 14443 / 13.56 MHz - ISO 15693

## References

### Some of Our Customers Using BOCA RFID Tieckets and Printers

- Gardaland
- MOTIONGATE Dubai
- Bollywood Parks Dubai
- LEGOLAND Dubai
- Ferrariworld Abu Dhabi
- + several Premier League Football Clubs and more

### List of Chips Used





## **Contact**

### **Address**

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Netherlands

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