



# Experts in **Labels,** **RFID Solutions** **& Software**



Optimize your operations with **RFiD**

CHKP

M750-B3

Checkpoint 

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# Who we are

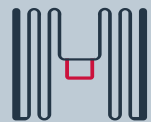
**Checkpoint Systems is a global leader in RFID** and loss prevention solutions for retail, industry & logistics, helping businesses:

- > **OPTIMIZE INVENTORY MANAGEMENT**
- > **ENHANCE SECURITY**
- > **IMPROVE OPERATIONAL EFFICIENCY**

With decades of experience in intelligent solutions, Checkpoint specializes in the design and production of high-performance RFID labels tailored for various industries, including apparel & footwear, food & beverage, supply chain & logistics and health & beauty.

Our labels ensure seamless product tracking, real-time visibility, and improved supply chain accuracy, enabling businesses to boost sales while reducing shrinkage.

TRACEABILITY OF ALL  
YOUR PRODUCTS FROM  
**SOURCE TO SHOP**



PRODUCTION



DISTRIBUTION CENTER



STORES



CUSTOMER

# Checkpoint global footprint

- > Global support resources
- > **90 RF/RFID** patents
- > **+35.000** installations capacity annually
- > More than **3.1B labels** applied @source annually
- > **22 ALS** ticket centers



# Our RFID Applications



## IN-STORE RFID

Enhanced security, real-time inventory control, and efficient replenishment to ensure customers always find what they need.



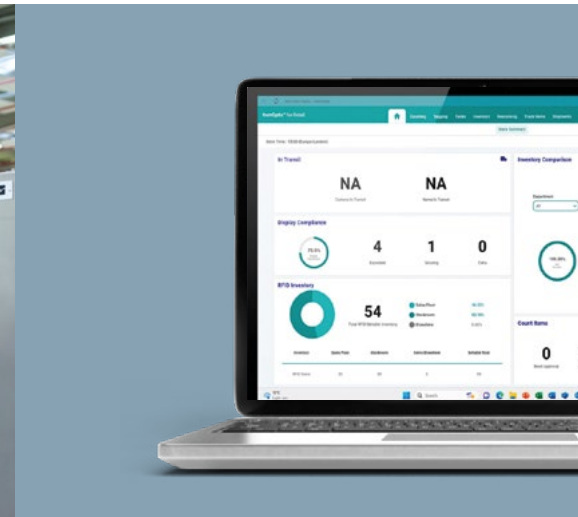
## RFID LABELS

The key to precise traceability, error-free stock management, and advanced protection against losses and theft.



## SUPPLY CHAIN RFID

Complete visibility, reduced logistics costs, and unmatched efficiency at every stage of the process.



## RFID SOFTWARE

Our software turns data into actionable insights, boosting efficiency, accuracy, and decision-making in real time.

# Benefits of RFID



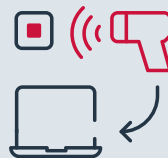
## REAL-TIME INVENTORY VISIBILITY

RFID provides accurate, real-time stock tracking, reducing out-of-stock situations and improving demand forecasting.



## LOSS PREVENTION & SECURITY

RFID enhances theft prevention by tracking products at an item level, making it easier to identify shrinkage and unauthorized movements.



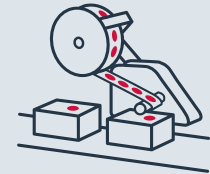
## FASTER & MORE EFFICIENT OPERATIONS

RFID speeds up inventory counts, reduces manual labor, and streamlines processes from warehouse receiving to in-store replenishment.



## IMPROVED CUSTOMER EXPERIENCE

With better stock accuracy and automated replenishment, customers always find what they need, leading to higher satisfaction and sales.



## END-TO-END SUPPLY CHAIN OPTIMIZATION

From manufacturing to the sales floor, RFID improves logistics, reduces errors, and enhances overall supply chain efficiency.

# Our latest RFID Innovations



## FRESH FOOD SOLUTION

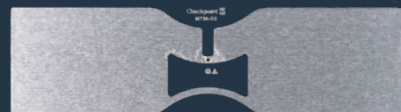
2.5 billion tons of food produced worldwide is lost or wasted each year. RFreshID is a one-stop RFID solution for retailers who want to improve their fresh food inventory accuracy, reducing food waste and labor costs, whilst enhancing in-store customer experience.



# BottleID™

## RFID BOTTLE DIGITALIZATION

BottleID is a solution based on RFID technology that helps companies dealing with liquid products improve their traceability, distribution, and stock; all thanks to a unique identifier per product.



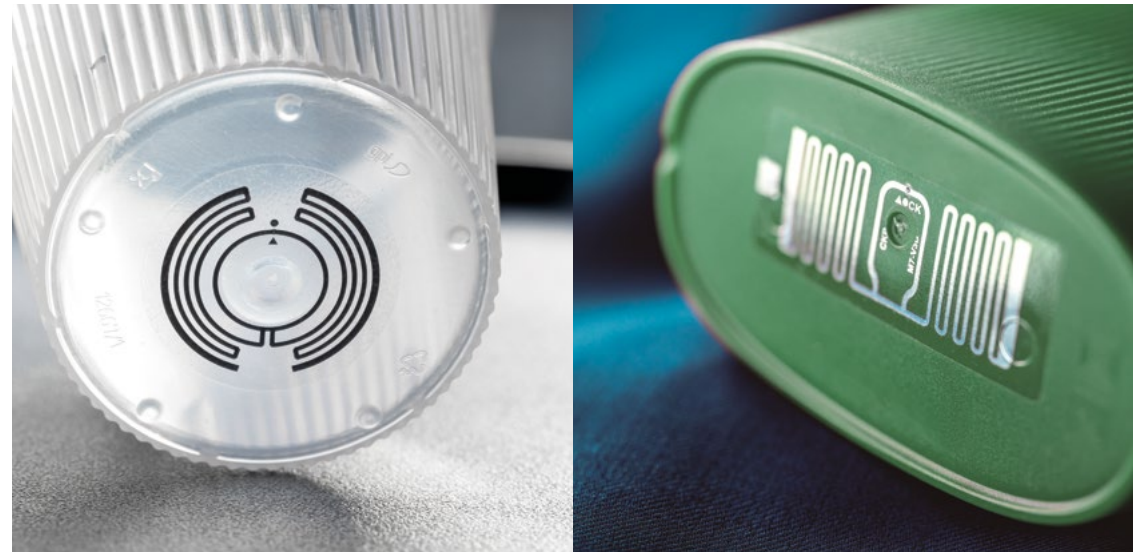
RFID LABEL



# Our latest RFID Innovations

## Reusable Packaging Solution

Our Reusable Packaging Solution, based on RFID technology, offers complete product traceability throughout its lifecycle.



Real-time visibility  
of reusable  
product stock



Fast inventory  
management up  
to 99% accuracy



Optimization of  
replenishment



Minimize  
waste



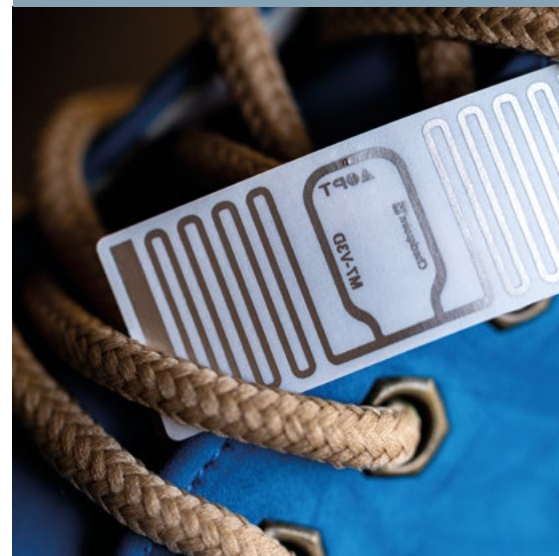
Improve traceability.  
Example: logistics,  
supply chain, etc.

# One Inlay for every case

Our team of experts is continuously working hand in hand with our customers, with the ability to design new inlays to fulfill to specific market needs.

- > IML RFID labels
- > Specialty food and microwave safe RFID labels
- > Stable high performance under difficult conditions RFID labels, such as the logistics sector
- > High performance RFID labels on fluid filled glass containers
- > Washable solutions, helping circularity requirements
- ... and many more!

Discover some of our RFID Inlays on the following pages of the catalogue.



# CYCLONE FAMILY

An omnidirectional tag supporting high readability rates, even in the most difficult of use-cases.

This inlay ensures reliable tracking and inventory management, even on irregular or flexible surfaces, without compromising accuracy.

Whether applied directly to packaging or externally, this adhesive provides a secure and reliable tagging solution for grocery retailers, food processors, and supply chain operators seeking enhanced traceability and efficiency.

## RECOMMENDED FOR:



Retail Food



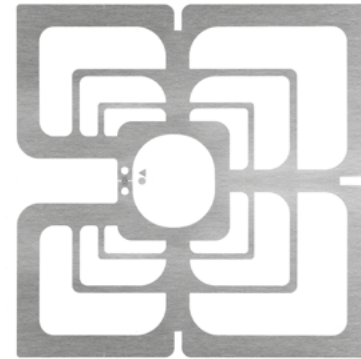
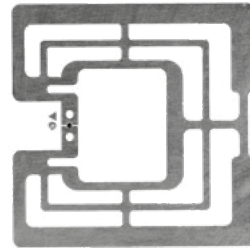
Apparel



General Merchandise



Logistics



## Operating frequency:

860 Mhz - 960 Mhz

## Chip Type:

Impinj 800 series  
or Ucode 9 chips

## Inlay size\*:

Cyclone: 33mmx33mm  
Cyclone MAX: 47mmx47mm  
Cyclone SC: 50mmx50mm

## Certification



\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.

# CYCLONE MAX & TYFUNG BASTION TAG

Strong RFID inlays applicable for logistical and industrial use.

Perfect for GATE readers, overheads and tunnels, as well as inventory control and block chain applications.

High durability and outstanding performance  
Capability of both complex and extensive encoding.

IP65 IP Ratings, different colors available  
Suitable for application on metal, wood and plastic. Can be attached via screws or adhesive.

**Size:**

Tyfung Bastion rugged tag  
125,4mmx34,4mmx14,35mm

Cyclone Max rugged tag  
91,2mmx60,27mmx14,35mm



# TYFUNG

The most durable logistics inlay with exceptional performance.

Developed to provide the logistics industry with a robust RFID inlay offering exceptional performance. The Tyfung inlay combines a wide reading range (18-20 meters) and low sensitivity, making it ideal for use in the industrial sector and throughout the supply chain, as well as in traditional retail applications.

RFID provides full visibility of products throughout the supply chain, accelerates order fulfillment, and reduces labor costs. It also helps prevent theft by tracking valuable goods and detecting unauthorized movements.

## RECOMMENDED FOR:



General Merchandise



Logistics, DC and Supply Chain



Retail Apparel



Retail Food

## Operating frequency:

860 Mhz - 960 Mhz

## Chip Type:

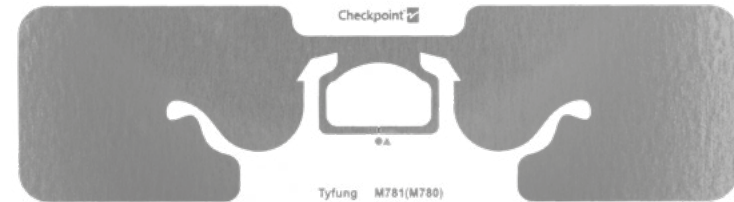
NXP Ucode 9

Impinj Monza M700/800 series

## Inlay size\*:

96mmx26mm

## Certification



\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.

# ARMOUR FAMILY

Mount-on-metal RFID inlay for inventory visibility of metal and metallic products.

The Armour mount-on-metal inlay from Checkpoint delivers reliable RFID read performance on metal and metallic products.

Available in both Mini and Max sizes to fit a diverse range of product and packaging sizes, Armour provides inventory control and tracking benefits in even the most difficult of environments like logistics and supply chain.

The thickness of the label is due to a small layer of foam applied so that the label is given the space to work and be read efficiently against the metallic surface.

## RECOMMENDED FOR:



Aviation



Logistic



Healthcare



General  
Merchandise



Retail  
Cosmetics

## Operating frequency:

860 Mhz - 960 Mhz

## Chip Type:

Max: NXP Ucode 9

Mini: Impinj M730

## Size:

Max: 70mmx17mm

Mini: 63mmx7mm



# BUNKER

Exceptional performance and reliability,  
ideal for the aviation industry.

According to a report by SITA (a technology company specializing in the aviation industry), approximately 7.6 mismanaged pieces of luggage were reported for every 1,000 passengers in 2022. Poor handling during transfers and loading failures are the main reasons for luggage delays\*.

RFID technology offers a solution to this problem by providing accurate and effective luggage tracking through the Bunker inlay. The Bunker inlay is specifically used in the aviation industry as it meets the strict specifications set by IATA and ARC, offering exceptional performance and reliability, which are essential for luggage tracking with RFID in such a complex aviation environment.

## RECOMMENDED FOR:



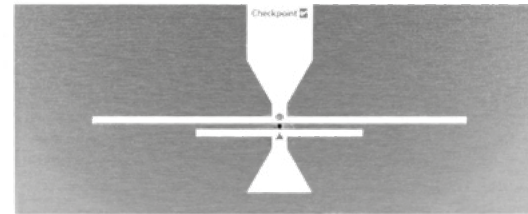
Aviation baggage  
tracking



Logistics, DC  
and Supply Chain

\* Source: 2023 Baggage IT Insights. SITA

\*\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.



## Operating frequency:

860 Mhz - 960 Mhz

## Chip Type:

Ucode 8

## Inlay size\*\*:

28mmx70mm

## Certification



# CHINOOK

The pioneering RFID inlay for microwavable foods.

An innovative RFID inlay designed specifically for reusable food packaging, providing microwave safety and resistance whilst improving traceability in the supply chain. This solution is an important bridge between sustainability and innovation, especially to address the environmental challenges facing the industry.

With incredibly reliable performance and a versatile shape that allows easy integration into packaging, Chinook is the perfect label option for increasing the safety and visibility of your food products.\*

## RECOMMENDED FOR:



Reatil Food

\*While Checkpoint recommends RFID inlays can be used in some microwave use cases, Checkpoint does not guarantee product performance unless they have been tested by CKP before usage to ensure proper functionality and provided instructions are followed

\*\*This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.

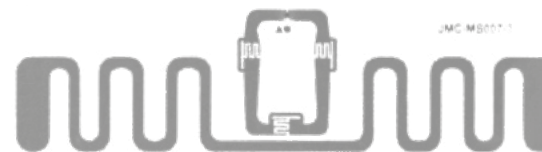
\*\*\* Patent pending

**Operating frequency:**  
860 Mhz - 960 Mhz

**Chip Type:**  
Monza M830

**Inlay size\*\*:**  
72mmx19mm

**Certifications:**  
EECC  
Microwave Survival\*\*\*



# SIROCCO

High and stable performance  
under difficult conditions.

Historically, RFID technology was not a suitable solution for the wine, champagne, and spirits markets due to their challenging environment. Liquids affect RFID performance, making it complex to integrate into a production line.

However, the Sirocco tag has been specifically designed for a wide range of applications with either a high or low tag density. This tag has been created to deliver superior performance against liquids, meaning that the benefits of RFID can now be leveraged by wine, champagne, and spirits brands like never before.

## RECOMMENDED FOR:



Wines, spirits  
and bottle



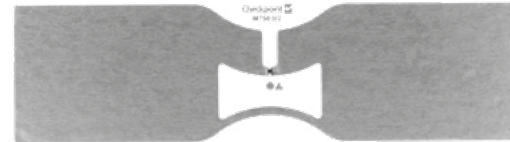
Boxes  
Electronics



General  
Merchandise



Retail Food



### Operating frequency:

860 Mhz - 960 Mhz

### Chip Type:

Monza M750

### Inlay size\*:

18mmx67mm



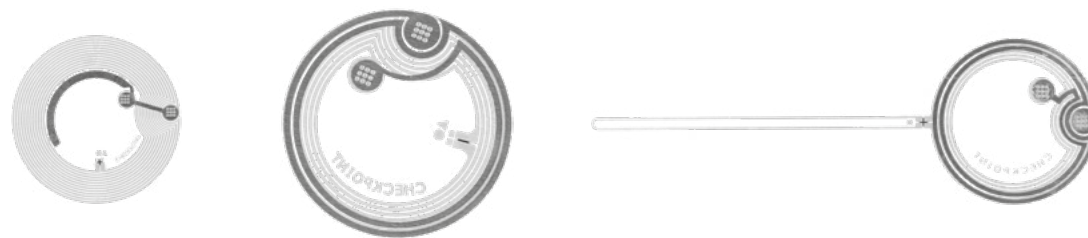
\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.

# EYEWALL FAMILY

Enhanced consumer engagement with easy-to-apply NFC labeling.

NFC technology has many benefits for brands, retailers and consumers across a wide range of industries. Eyewall NFC labels provide enhanced and secure customer engagement opportunities and product authentication.

Provide enhanced product information, recommendations and end-of-life information at the tap of a smartphone, with secure product authentication to verify genuine items.



**Operating frequency:**

13.56 Mhz

**Chip Type:**

NXP Ntag210,

NXP Ntag213

EM4332

Icode Slix 2

**Inlay size\*:**

Eyewall: 22mmx22mm

Eyewall Large: 30mmx30mm

Eyewall Tamper: 67mmx22mm

**RECOMMENDED FOR:**



Health & Beauty



Retail Cosmetics



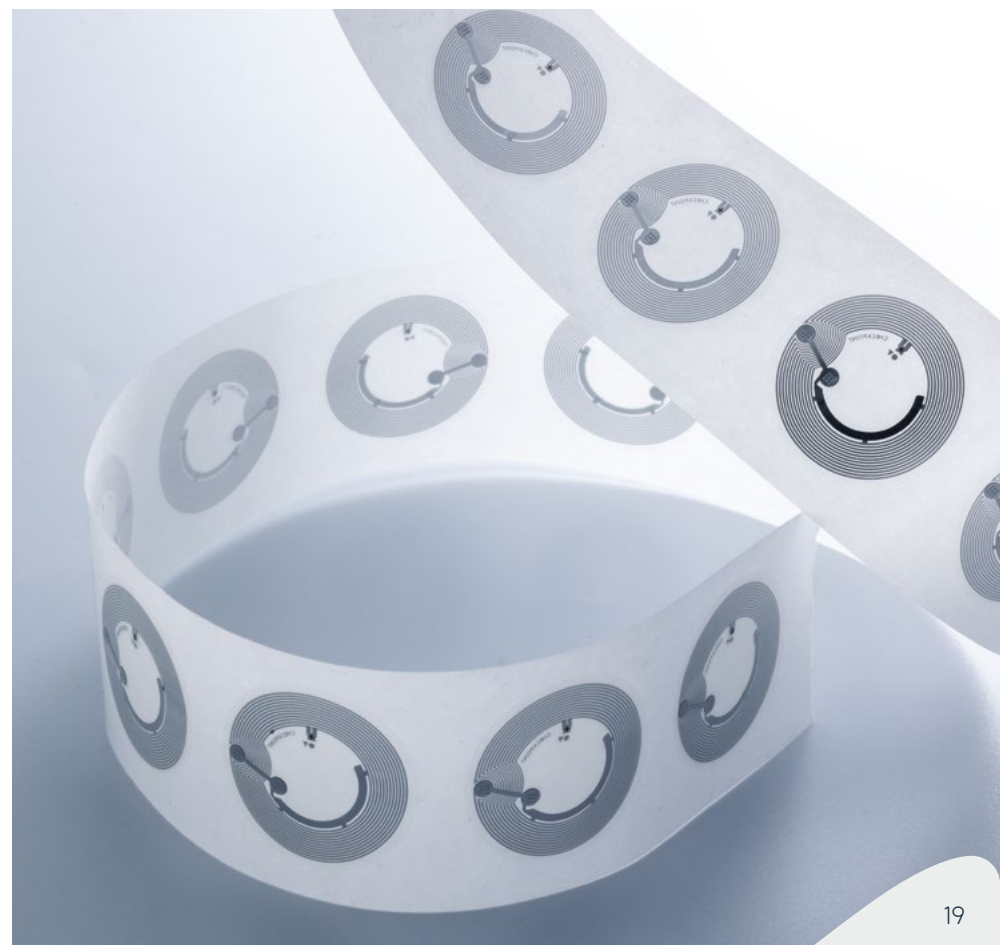
Consumer engagement



Retail Apparel



Retail food



\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.

# PALI & VORTEX IML

High-Performance Inlays for Reusable Packaging.

As environmental concerns become more pressing, sustainability is gaining importance, leading to stricter regulations. This shift emphasizes the need to reduce, reuse, and recycle to minimize environmental impact.

Although applicable to various uses, the Pali and Vortex IML inlays are recommended for reusable packaging, as they have been specifically developed to adapt to the manufacturing process and materials of reusable containers (resistant to water, detergents, and heat). Both inlays allow flexible placement while offering exceptional performance and sensitivity.

## RECOMMENDED FOR:



Retail  
Apparel



Footwear



Jewelry



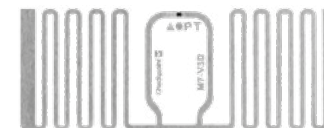
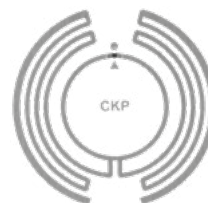
General  
Merchandise



Perfumes &  
Cosmetics

IML version is used for reusable packaging

\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.



## Operating frequency:

860 Mhz - 960 Mhz

## Chip Type:

Pali:

NXP Ucode 9

Vortex:

Monza M700/800 series,

R6P,

NXP Ucode 8/9

## Inlay size\*:

Pali: 26mmx26mm

Vortex: 42mmx16mm



# TAURUS

A compact and streamlined inlay idea for inventory control of cosmetics.

Taurus is a custom designed RFID inlay specifically for the cosmetics and retail market, with a compact and narrow design perfectly suited for integrating in common packaging types and sizes.

Featuring a high read rate and performance for its size, Taurus is a perfect fit for inventory control and loss prevention applications.

**Operating frequency:**

860 Mhz - 960 Mhz

**Chip Type:**

Impinj Monza M830

NXP Ucode 9

**Inlay size\*:**

70mmx9mm

**Certification**



**RECOMMENDED FOR:**



Retail  
Cosmetics



\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.

# SOLANO

Compact RFID Inlay for Smart Retail & Cosmetics.

The Solano Inlay is a compact, purpose-designed RFID inlay ARC certified for cosmetics and retail, offering high performance for inventory control and loss prevention.

The Solano Inlay is ideally suited for placement on many different cosmetics items given it's narrow and compact design. The compact design makes it ideal for many common product shapes and sizes.

**Operating frequency:**

860 Mhz - 960 Mhz

**Chip Type:**

Impinj Monza M830  
NXP Ucode 9

**Inlay size\*:**

45mmx12mm

**Certification**



**RECOMMENDED FOR:**



Retail cosmetics



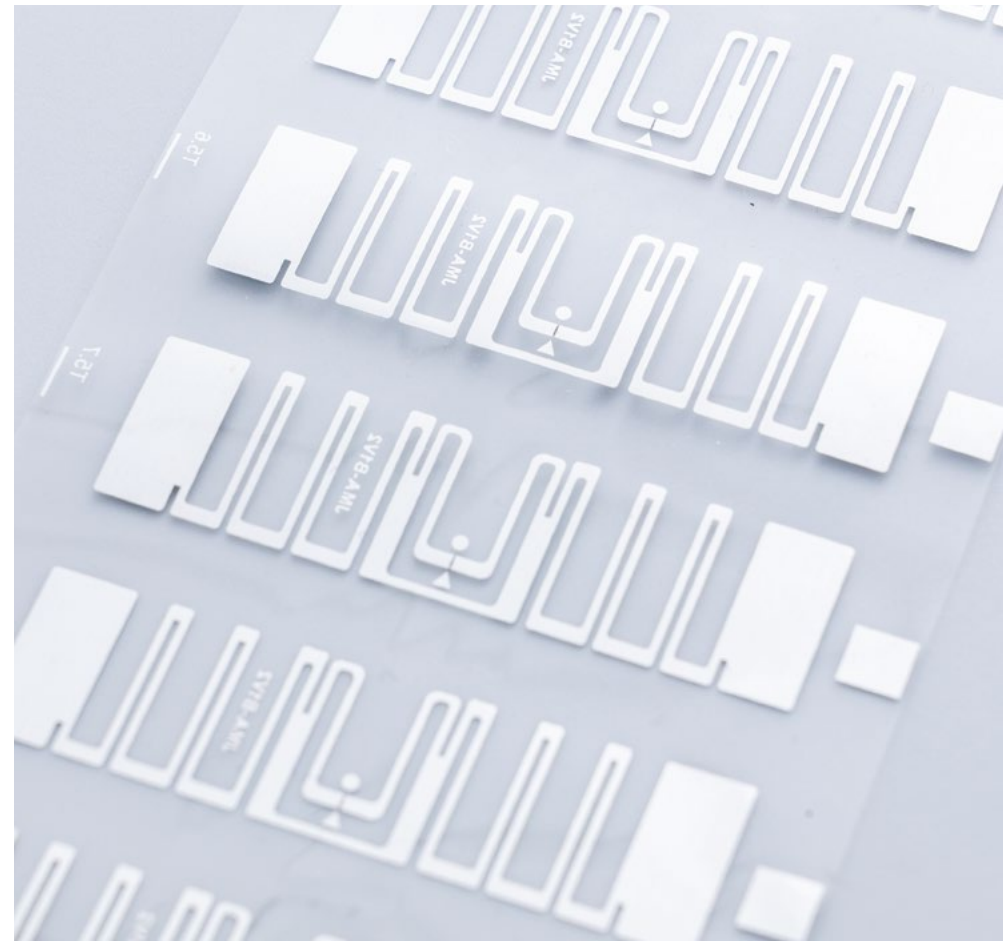
Small packaging



Luxury



General Merchandise



\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.

# KOMPASU

A small-sized tag for delicate products without compromising its performance.

Developed specifically for eyewear and jewelry retailers, the Kompasu flag tag offers solid performance in inventory control with a compact and discreet design.

Unlike other tags on the market, Kompasu provides retailers with a small-format tag ready to be attached to products without compromising performance or overpowering the product's aesthetics.

## RECOMMENDED FOR:



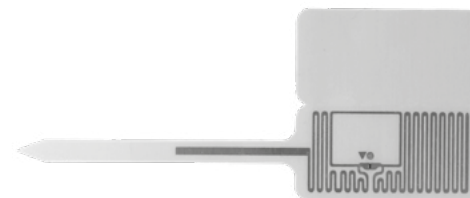
Jewelry



Glasses /  
Sunglasses



General  
merchandise



## Operating frequency:

860 Mhz - 960 Mhz

## Chip Type:

Ucode 9 XE

## Inlay size\*:

40mmx11mm



\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.

# ZEPHYR

The most sold RFID inlay with a proven success track record.

This versatile inlay is applicable to many use cases and compatible with various types of hardware, all with exceptional performance, making it one of the most versatile inlays in our portfolio. With high read rates and an easily integrable design, Zephyr provides visibility of goods throughout the supply chain.

Compatible with various hardware configurations, including handheld and desktop readers, Zephyr offers a versatile RFID solution for greater efficiency and accuracy.

## RECOMMENDED FOR:



Apparel (Loose & Polybagged)



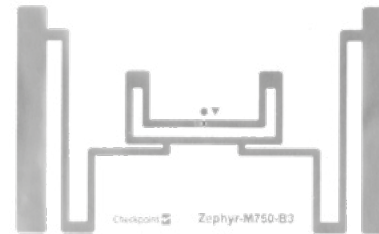
Boxed Electronics



General Merchandise



Retail cosmetics



### Operating frequency:

860 Mhz - 960 Mhz

### Chip Type:

NXP Ucode 9

NXP Ucode 9 XE

Impinj Monza

700/800 series. R6P

### Inlay size\*:

50mmx30mm

### Certification



\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.

# VORTEX

Versatile top-selling Inlay for a wide range of products.

Vortex is Checkpoint's top-selling RFID inlay with a proven record of success amongst leading brands. With a small and efficient design, Vortex combines outstanding performance with versatility, being easily integrated into a wide range of products. An inlay of choice for merchandise visibility applications across a range of industries and sectors, Vortex is ISO1800-6C compliant and can be encoded and printed to carry EPC data in several formats including RFID EPC global protocol, printed bar code and human readable text.

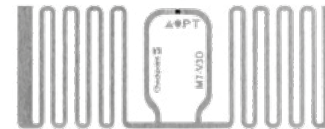
## RECOMMENDED FOR:



Retail Apparel



Retail cosmetics



## Operating frequency:

860 Mhz - 960 Mhz

## Chip Type:

Monza M700/800 series,  
Monza R6P  
NXP U Code 8/9

## Inlay size\*:

42mmx16mm

## Certification



\* This measurement makes reference to the inlay size. If you would like to know the label size options, please contact us for more information.

# One Inlay for every use case

Our multi-portfolio approach and decades of experience in tagging items means we have the options you need for delivering a successful RFID implementation across your wide product range.



Luggage tracking



Food inventory control



Footwear



Logistics, DC and Supply Chain



Boxed electronics



Reusable plastic packaging



Apparel (Hanging loose and Polybagged garments)



General Merchandise



Customer Interactivity (NFC)



Jewellery



Glasses / Sunglasses



Lingerie



Perfumes & Cosmetics



Microwaveable food



High-density environments



Wines, Spirits & Bottles

Discover our range of inlays  
in our **RFID Inlay Finder:**



# Your trusted partner



Global team label experts with the ability to find the right label for your needs.

50

Fifty years working with some of the world's largest retail brands.



A truly global brand and full package supplier.



Audited and accredited production facilities ensuring the highest standards.



Fully committed to the health, safety and well-being of employees and communities.



Fully committed to reducing our environmental impact.





checkpoint  
systems.com