



Gain Inventory Insights with Zebra's Reliable RFID Tyre Identification Solution

When implementing RFID to track tyres, the most critical element to realizing the benefits and achieving the projected return on investment is the RFID label. Without a correctly engineered label and inlay, operations can come to a halt.

Tyres are one of the most challenging items to identify with an adhesive label. Tyres have a low-energy, textured surface containing oils and plasticizers, preventing most adhesives from bonding well to it. The oils and plasticizers can migrate through the adhesive into the label facstock impacting the readability of the text and barcode.

If not chosen and manufactured with care, the aggressive, thick adhesive, can ooze and build up in the print pathway of the printer, impacting printer up-time, printhead and platen roller life and the legibility of the label. Thus, impacting your operations, requiring increased maintenance and cost for replacement parts.

The inlay and chipset is also important.

Due to the variety of materials used to manufacture tyres, and the proximity to other tires in a retail setting you need an inlay that is tuned and designed to work well on these surfaces. Zebra has designed ZBR8000 for use in a tyre tread label and to meet ARC Spec T. This spec is the standard for use in tyre tread labeling applications using read performance on a variety of manufacturer tyres as part of the standard.

Zebra's RFID tyre identification labeling solution has been specifically designed for use on tyre treads, pre-tested with Zebra printers and readers

With Zebra's Supplies R&D team's vast knowledge of RFID thermal printers and RFID readers, RFID inlays and chipsets, label components (facestock, adhesive, liner) and RFID label manufacturing, we engineered a solution to ensure maximum uptime and your return on investment.

Specially engineered label facestock, adhesive and liner combination	<ul style="list-style-type: none"> • Adhesive applied in a way to reduce the instances of oozing • RFID friendly barrier coat prevents the migration of plasticizers and oils, to ensure text and barcode readability • Special liner to prevent the transfer of adhesive during printing
New, specially tuned inlay	<ul style="list-style-type: none"> • Thorough testing using industry standard Voyantic equipment validates strong, reliable read performance. • Auburn University certification underway
ISO9001 procedure	<ul style="list-style-type: none"> • To ensure strict processes are followed during manufacturing to prevent adhesive migration

Pair Zebra RFID Tyre identification labels with Zebra printers and readers to ensure the highest performance.

Zebra RFID Printers			Zebra RFID Readers		
ZT610R	ZD621R	ZQ630R	FX9600	RFD40 Standard	MC3330xR
					

Keep operations running at peak performance and maximize the benefits of RFID with Zebra's Tyre Identification Label. For more information, contact Zebra or a Zebra reseller.



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