

Optimise Your Inventory and Warehouse Processes With RFID Tagging

We appreciate that automotive manufacturing is becoming increasingly complex. Costs are under more pressure than ever before, regulations are more demanding and directives are stricter.

Inventory automation and warehouse management are critical factors in the drive for compliance and efficiency, which makes accurate identification and labelling of automotive components essential.

The Challenges for Automotive Manufacturers

Just-in-time delivery of parts requires optimised warehouse and ad-hoc inventory management; these automated stock replenishment processes rely on real-time accuracy. To achieve this, automotive manufacturers are increasingly mandating suppliers to apply single-use Radio Frequency Identification (RFID) labels (with printed package and carrier IDs) to all shipments.

Those labels must comply with stringent requirements too. If they aren't detectable, readable and firmly secured at the point of delivery, it can impact adversely on productivity, profitability and the manufacturer-supplier relationship.

So What Is the Solution?

Our complete GM RFID solution has been developed to meet the industry desire for automotive supply networks which better "operate in unison", enabling rapid reception of goods at designated goods receipt points...

- Printers and labels for tagging parts with passive RFID tags, and ensuring small parts can be associated to tagged storage
- Fixed readers at delivery doors to record goods received
- Zone-based fixed reader infrastructure for tracking parts through the warehouse
- Handheld readers for workers to track assets in use and order replenishments
- MotionWorks™ Enterprise to monitor the location of every tagged asset throughout the facility

And How Does it Improve Results?

Accurate, automated inventory records enable you to make reliable, informed decisions. Always-on visibility leads to a reduction in lost inventory, better stock level control and fewer stock outages; whilst tracking and locating reduces the time spent managing warehouse processes and searching for parts.

Ensuring your suppliers are operating with the right RFID printer and sourcing the right RFID label stock, means you can have confidence in them meeting your specifications, every time.



SUMMARY

Industry
Automotive

Challenge
Meeting Automotive
Manufacturer labelling
directives.

Solution

- Passive RFID tagging
- RFID printers, labels, inlays and readers
- Fixed reader for goods inwards
- Zone-based fixed readers in warehouse
- Handheld readers for workers
- GM MotionWorks™ Enterprise

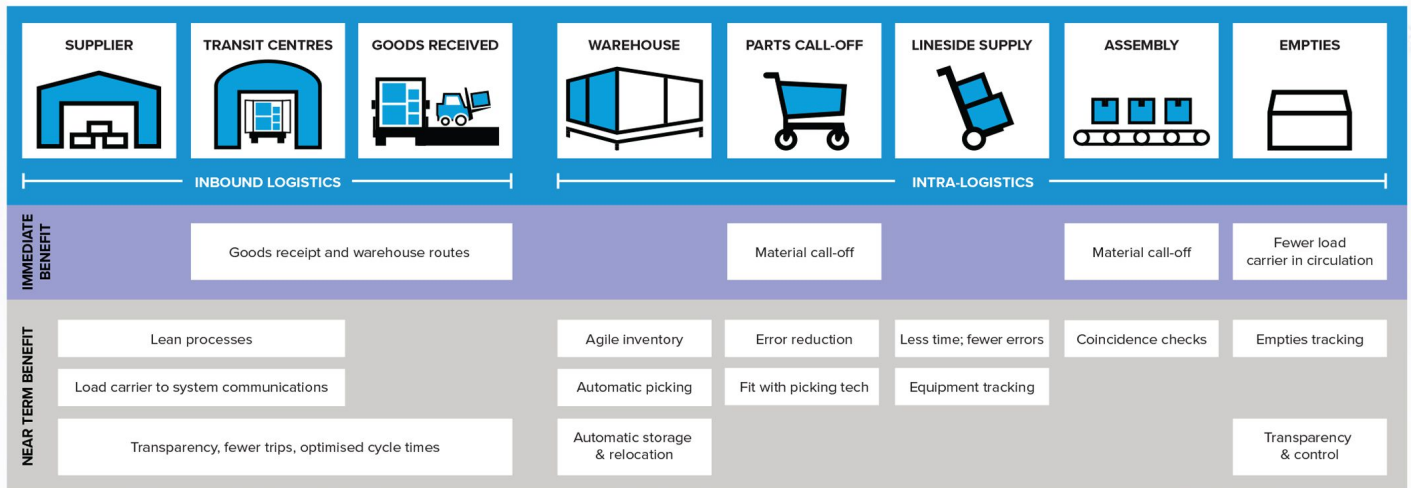
Results

- Detectable, readable and secure RFID tagging
- Reduction in lost inventory, better stock control, fewer stock outages
- Small parts associated to tagged storage boxes
- Less time managing warehouse processes and searching for parts
- Workers track and locate assets in use, and order timely replenishments

Benefits
Improvements to inventory management, workforce efficiency, regulatory compliance and manufacturing costs.



RFID enables digitalisation of the supply chain and creates a 'transparent flow of goods'



GM's End-to-End Solution for Real-time Inventory Management



ZT620 RFID Printer

High-performance label printing to 168mm wide & 305mm per second.



FX9600 Fixed RFID Reader

Top-of-the-line performance for high-volume, rugged environments.



MC3300R Handheld Scanner

A rugged and long-lasting handheld, available in multiple form factors.



MotionWorks™ Location Solutions







Solutions which automatically sense the location of assets and inventory, help improve personnel safety, and streamline production processes; boosting productivity and efficiency.



ZBR4003 RFID INLAY

For electro-static discharge crates where normal tags will not work. High sensitivity, high memory and a read range up to 14m.

If you would like to learn more about our RFID offering please contact Grandes-Mentes at : <https://grandes-mentes.com/>

RFID Handheld 	RFID Fixed Readers 	RFID Printers 
RFID Scanners 	GRANDES MENTES The RFID Solutions Provider	
MotionWorks® GM MotionWorks®	RFID OneCare™ 	RFID Desktop 



Headquarter

17, Aarambh building , 4th floor,
Wakad, Datta Mandir road,
Pune 411057, Maharashtra

Back office

2nd floor, Radhika Exclusive Building,
Indradhanu Market Road, Block N5/29,
IRC Village, Nayapalli,
Bhubaneswar, Odisha 751015

