

Simplifying the Shipment Journey



Inventory in Motion

23

packages per person shipped globally each year¹

2,760

packages shipped every second¹

The Fast Lane:

Increasing Expectations in the Supply Chain

The shipping industry is facing new challenges. Fueled by consumer demands, e-commerce sales have continued to increase while last mile deliveries have grown more complicated. Customers expect faster shipping times and more convenient fulfillment options.

The result is that warehouses, distribution centers, and 3PLs are expected to grow their businesses as they run operations faster, cheaper, with 100% transparency, while achieving 99% accuracy.

The Challenges

Rising Costs

Mistakes can get expensive

\$36B

The annual cost of chargebacks due to mistakes in shipping²

\$389k

The annual cost of mis-picks to the average warehouse³

2x

How much pick time increases with every error⁴

5x

How much shipping costs increase when re-shipping and expediting late items⁴

Need for Skilled Workers

Good help is hard to find

More than 50%

of warehouse labor resources are involved in order pick-pack-ship activity⁵

Labor costs constitute **roughly 65%**

of most warehouse facilities operating budgets⁶

Demand for skilled warehouse workers outpaces supply by a

6:1 ratio¹

What can decision makers do to successfully navigate these challenges?

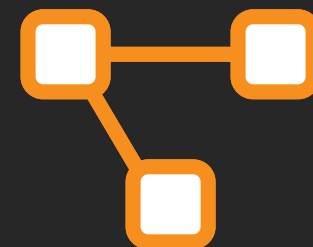
One Simple Solution: RAIN RFID

Drives value through:



Accuracy

Minimize costly errors and mis-ships the first time



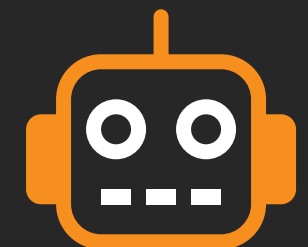
Efficiency

Reduce workflow issues and streamline tracking and management tasks



Visibility

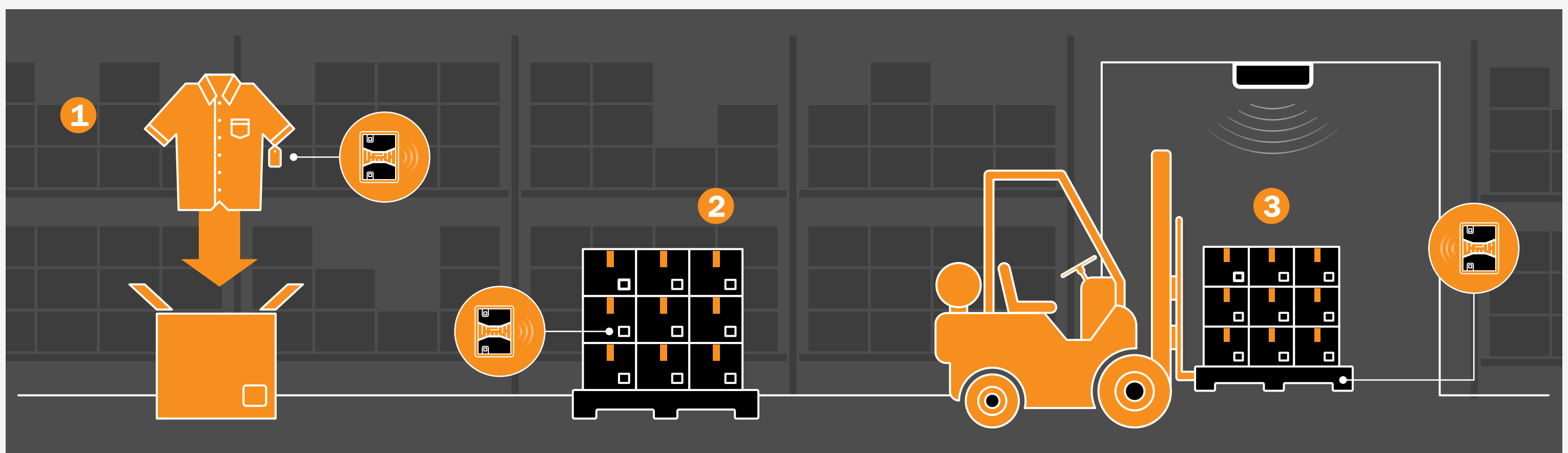
Achieve traceability throughout the supply chain



Automation

Eliminate manual, error-prone data collection

RAIN RFID in Action



1. Content Verification

Individual items are validated against the order as they are packed.

2. Pallet Build Verification

Boxes are loaded onto pallets based upon shipment location. Pallet contents are validated and ready for shipment.

3. Shipment Verification

Tagged pallets are validated to confirm correct outbound shipments before being loaded onto the truck. Inbound shipments are unloaded, validated, and received into inventory automatically.

Benefits

Adding RAIN RFID to your shipping strategy can result in tangible ROI:

↑ 90%

improvement in receiving time⁷

↑ 80%

increase in shipping/picking accuracy⁷

↓ 54%

decrease in claims and chargebacks⁸

↓ 67%

reduction in picking error rates⁶

↑ 25%

gain in productivity³

99.9%

order shipment accuracy⁹

Cover your supply chain needs from asset tracking to shipment verification by combining the right RFID hardware and software. [Contact us for a free consultation.](#)



1. 3PL Central, "2020 State of the Third-Party Logistics Industry Report," 2020; 2. Auburn University RFID Lab, "Why Retail is Ready for Blockchain," 2019; 3. SupplyChain 24/7, "The 3PL Warehouse Peak-Season Playbook," 2020; 4. Fulfillment Companies, "The True Cost of a Mis-Shipment"; 5. Conveyco, "Top Order Fulfillment Key Performance Indicators," 2016; 6. Conveyco, "20 Warehouse Automation Statistics That'll Blow Your Mind," 2020; 7. Auburn University, RFID Lab Studies; 8. The SMS Group, "6 Ways RFID Technology Can Increase Operational Efficiency and ROI"; 9. GS1 US, "Project Zipper—EPC/RFID Retail Supply Chain Data Exchange Study," 2018



Phone: 800.351.9962
 Email: learnmore@barcodesinc.com
www.BarcodesInc.com