SMART OUTER BOX QR TRACEABILITY

ONE QR. COMPLETE TRACEABILITY.



PROBLEM STATEMENT

When multiple small boxes are packed into a single outer box, tracking the individual box IDs and total quantity can become difficult.

QR-BASED SOLUTION

Each small box carries a QR code containing its unique ID and quantity, for example:

TP-UID3-100

The system scans all small boxes packed inside the outer box and automatically generates a single QR code containing:

- All Small Box IDs & Quantities
- Total Quantity of Items
- Complete Packing Traceability
- Automatic Quantity Verification
- Single QR Code for the Outer Box

EXAMPLE

Small Boxes:

- TP-UID3-100
- TP-UID4-25
- TP-UID5-50

Generated Outer Box QR:

TP-UID3-100/ TP-UID4-25/ TP-UID5-50/175

Here, **175** is the calculated total quantity.

When the outer QR is scanned, the system can identify every box inside, verify individual quantities, independently recalculate the total, and compare it with the stored total—providing **end-to-end packing traceability and verification.**

2MB

SMART SOLUTIONS. STRONGER BUSINESS.

Accurate Tracking | Better Visibility | Greater Efficiency