

The background of the entire slide is a dark blue gradient with a white wireframe pattern of jagged mountain peaks.

RFID

JOURNAL

DIGITAL SUMMIT

MAY 10 - 13, 2021

RFID Cracks the Nut for Efficiency, Visibility

Nate Willits

CFO, American Nuts

INTRODUCTION



- In 2019 American Nuts, LLC (“AN”, a North American top processor and packager of nuts, seeds, dried fruits and confections) approached Senitron, an RFID technology company, to develop a system which **tracks inventory using RFID tracking technology in combination with computerization of operations, supply chain and quality**
- Like many manufacturing companies, AN was using a well-known ERP system, but similar to other traditional systems, inventory data and accuracy were lacking



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INTRODUCTION

- In addition, the Company was also looking to computerize all aspects of operations including shop floor controls, warehouse management, production scheduling, quality control management, and material resource planning using a centralized communication system, real-time alerts and data analytics
- AN explored various inventory control platforms (bar code scanning, RFID, etc.) and chose Senitron's Enterprise Resource Control (ERC) solution



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Why ERC?

ERC combines **RFID's real-time asset tracking technology with proprietary cutting-edge software**, creating an **all-in-one user-friendly** solution, either integrated with ERP or stand alone, **eliminates the need to purchase and integrate any additional modules or systems** needed to effectively run operations:

RFID Benefits:

- ✓ Companies that adopt RFID see their inventory count accuracy go to 95%+
- ✓ Manufacturers & distributors who implement RFID technology into their supply chain see an 80% improvement in shipping/picking accuracy

ERC:

- ✓ RFID Real-Time Inventory Tracking
- ✓ Warehouse Management System (WMS)
- ✓ Tracks Items Cost
- ✓ Scheduling
- ✓ WO System
- ✓ Quality Control
- ✓ Disposals
- ✓ Material Requirement Planning (MRP)

VS

| Other Systems | Integration with ERP | Integration with MRP | Integration with WHS | Customizations | Implementation & Training | Hardware | Hardware Installation |
|----------------------------------|----------------------|----------------------|----------------------|----------------|---------------------------|----------|-----------------------|
| Warehouse Management (WMS) | Yes | | | Yes | Yes | | |
| RFID or Bar Coding Solution | | | Yes | Yes | Yes | Yes | Yes |
| Material Resource Planning (MRP) | Yes | | | Yes | Yes | | |
| Scheduling System | | Yes | | Yes | Yes | | |
| Work Order System | | | Yes | Yes | Yes | | |
| Quality Control System | | | Yes | Yes | Yes | | |
| Disposal System | | | Yes | Yes | Yes | | |

ERC provides all the benefits of other systems while **eliminating time and complexities associated with integration of multiple systems.**

Considerations

- Applicable Segments
 - Retail
 - Manufacturing
 - Warehousing/Distribution
 - Healthcare
 - Personnel/Professional Services



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Considerations

- Level of tracking – unit vs. case vs. pallet
- Size of installation, access to internet/power
- Ease of Use / Scalability
- Cost



Benefits Realized

- Significant increase in inventory accuracy (75% to 95%+) – link directly to ERP for enhanced reporting/control
- Lot Level tracking for cost, expiration dates, supplier, etc. allows for reduced expiration loss (FIFO) and better pricing/profitability
- Scheduling and Work Order modules provide detailed production planning, tracking and variance reporting improving productivity, efficiency and reducing scrap
- Quality module allows for traceability, control of goods on hold and formal disposal improving quality to customer and reducing hold times and space requirements



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Benefits Realized

- Material Requirements Planning module pairs actual usage/sales data with customer forecasts to optimize inventory levels, reducing stock-outs and warehousing costs
- Real-time alerts, operational and financial dashboards, etc. provide ease of review and improved control



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User-Friendly and Smart Controls



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WAREHOUSE MANAGEMENT SYSTEM: RECEIVING

PROCESSES:

1) INVENTORY ARRIVES AT THE DOCK

2) RECEIVER INPUTS PO# OR VENDOR NAME IN INTERFACE (PO DATA FROM ERP)

Receiving History

long Q

| Action | PO | Due Date | Vendor | Status |
|----------------------|--------|------------------------|----------------------|---------|
| Receive | 504523 | 2020-12-14, 4:00:00 pm | LONG SON JOINT STOCK | PENDING |

3) RECEIVER INPUTS QUANTITY AND OTHER DATA

Receiving

| PO | Vendor | Posting Date | Action |
|--------|----------------------|---------------------|---------------------|
| 504523 | LONG SON JOINT STOCK | 2020 - December - 8 | Cancel |

| Item # | Description | UOM | PO QTY | |
|---------|-----------------------|-----|--------|--------------------------|
| CS-9030 | CASHEWS RAW 210 50LBS | CS1 | 718 | IN-PROGRESS |

| Total Received Qty | UOM | Lot Date | Exp Date | # of Pallets | Cases Per Pallet | # Additional Cases | LB / EA per Case | VALIDATION |
|----------------------|-----|---------------------|----------------------|----------------------|----------------------|----------------------|------------------|----------------|
| <input type="text"/> | CS1 | 2020 - December - 8 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | 50.00000 | ✗ |

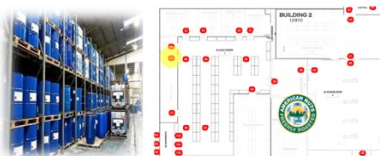
☐ Missing Expiration Data
Expiration Date: 365

+ Add Additional Lot Validation Issues Cancel

4) DATA TRANSFERS TO ZEBRA PRINTER AUTOMATICALLY GENERATING TAGS (LP & RFID)

5) RECEIVER ATTACHES PRINTED RFID TAG(S) TO CONTAINER(S)

6) INVENTORY MOVEMENTS TRACKED AUTOMATICALLY IN REAL-TIME



CONTROLS:

- IF QTY VARIANCE EXISTS, EMPLOYEE NEEDS TO FIX VARIANCE FOR RECEIPT TO OCCUR
- MANAGEMENT ALERTED IF ITEM SITTING IN AREA FOR MORE THAN A CERTAIN # OF DAYS
- IF MISSING REQUIRED DOC, RECEIPT PLACED ON HOLD AND EMAIL ALERT GENERATED
- RFID SENSOR DETECTS PRINTED RFID TAG(S), CONFIRMS RECEIPT, INVENTORY ADDED



ZEBRA PRINTER

COMPONENTS FROM VENDOR

CHEMICALS FROM VENDOR

ERC

WAREHOUSE MANAGEMENT SYSTEM: HOLD/RELEASE

PROCESSES:

1) SET AUTO OR PUT MANUALLY QUALITY HOLD FOR ITEMS, VENDORS OR CUSTOMERS

CreateReleaseHistory

Search by Tag# / PO / SO / WO

Q

HoldModify

1 - 20 of 666

Advanced

☐ Item # / Description

☒ Expired

Lot Date Range

12/20/202012/20/2020

☐ Production Line's

☐ Per Page

| Tag # | Item #/Name | Qty | Exp Date | Lot Date | Location | Created Via / By / # | Prod Line |
|-------------------------------------|---|--------|----------|----------|--------------------------|-----------------------------|-----------|
| <input checked="" type="checkbox"/> | 2917SN-35060 CHICKPEAS YELLOW R/N'S 22LBS | 80 CS1 | 06/30/20 | 08/22/19 | HH- R1 Building 4 Inside | Alex Hernandez RFID Tagging | |
| <input checked="" type="checkbox"/> | 7425ML-19070 MELON SEEDS SUPER RAW 55LBS | 12 CS1 | 07/31/19 | 07/03/18 | Building 4 Inside | Alex Hernandez RFID Tagging | |

2) IF USING MANUAL OPTION, USER REQUIRED TO SELECT REASON FOR HOLD

3) QA EMPLOYEE PRINTS AND ATTACHES QUALITY HOLD LICENSE PLATE

4) ONCE ITEM PASSES INSPECTION QUALITY RELEASES HOLD

Manage Quality Hold

Go Back

QH-ID # 441

Reason

Note

Created By

Pending Metal Detection

QC ERIKA CECILIANO

Geovanni A Production Manager 12/09/20 09:12 AM

☐

Tag #

Item #/Name

Qty

Hold Violation

Violation Detail

Exp Date
Lot Date

Location

Created Via / By / #

Status

☒

196882

PKD-10003 DOLE TORTILLAS TRI-COLOR SUGAR FOODS 250.3 oz

36 CS

04/09/21
12/09/20

Building 2 38

Bendy Falls Production WOV 13433

Quality Hold

Add Notes & Messages

submit

12/09/2020 09:12 AM Geovanni A Production Manager Is submitted for quality_hold reason: Pending Metal Detection

12/09/2020 09:12 AM Geovanni A Production Manager Is submitted for quality_hold by Geovanni A Production Manager

12/09/2020 09:12 AM : QC ERIKA CECILIANO



CONTROLS:

- QUALITY RECEIVES EMAIL SHOWING RECEIVED/PRODUCED ITEMS PLACED ON AUTO HOLD
- QUALITY MANAGER RECEIVES EMAIL SHOWING QUALITY HOLD VIOLATIONS
- QUALITY MANAGER RECEIVES DAILY EMAILS WITH ITEMS STILL ON-HOLD AFTER A CERTAIN NUMBER OF DAYS
- TAGS ON HOLD BECOME UNAVAILABLE FOR PRODUCTION
- TAGS RELEASED FROM ON-HOLD BECOME AVAILABLE FOR PRODUCTION



ERC

WAREHOUSE MANAGEMENT SYSTEM: RETURNS

PROCESSES:

- 1) PREVIOUSLY SOLD INVENTORY ARRIVES AT THE DOCK
- 2) RECEIVER INPUTS SO# OR CUSTOMER NAME IN INTERFACE

SO Return

Search by SO# / Customer Name / Item Number

Return History

1 - 20 of 1723

| Sales Order # | Customer Name | Action |
|---------------|------------------------------|--------|
| 70999 | ESCAMEX PARTY SUPPLIES, INC. | Return |
| 70674 | CURATION FOODS, INC. | Return |
| 71106 | NO COFFEE/CA | Return |

- 3) RECEIVER INPUTS QUANTITY AND OTHER DATA

Receive SO Return

Back To Returns Process Return

| Customer & Sales Order # | Order Date | Ship Date | Reason |
|--|---------------------|---------------------|---------|
| ESCAMEX PARTY SUPPLIES, INC. SO# 70999 | 2020-03-30 12:50:39 | 2020-03-30 17:00:00 | Quality |

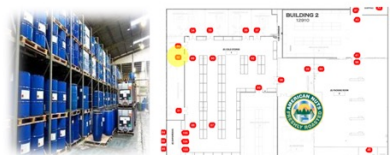
Select Printer
Building 1 Production

| Item # & Description | SO UOM | SO Qty | Returned Qty | Input Quantity |
|--------------------------------------|--------|--------|--------------|----------------|
| MX-21030 Deluxe Mixed Nuts R/S 25LBS | CS1 | 15 | 0 | 1 |

Continue

| Lot # | # of Pallets | Cases Per Pallet |
|----------|--------------|------------------|
| 20200211 | 1 | 1 |

- 4) DATA TRANSFERS TO ZEBRA PRINTER AUTOMATICALLY GENERATING TAGS (LP & RFID)
- 5) RECEIVER ATTACHES PRINTED RFID TAG(S) TO RETURNED PRODUCT(S)
- 6) INVENTORY MOVEMENTS TRACKED AUTOMATICALLY IN REAL-TIME



CONTROLS:

- SALES GENERATE RMA (RETURN MATERIAL AUTHORIZATION) FOR SPECIFIC SALES ORDER
- IF QTY VARIANCE EXISTS, EMPLOYEE NEEDS TO FIX VARIANCE FOR RETURN TO OCCUR
- RETURNED ITEMS AUTO PLACED ON HOLD
- ACCOUNTING RECEIVES EMAIL CONFIRMATION OF RETURN
- INFO TRANSFERS TO RETURNED TAG FROM SOLD DATA
- QUALITY MANAGER RECEIVES DAILY EMAILS WITH ITEMS STILL ON-HOLD AFTER A CERTAIN NUMBER OF DAYS



RETURNED PRODUCT FROM CUSTOMER

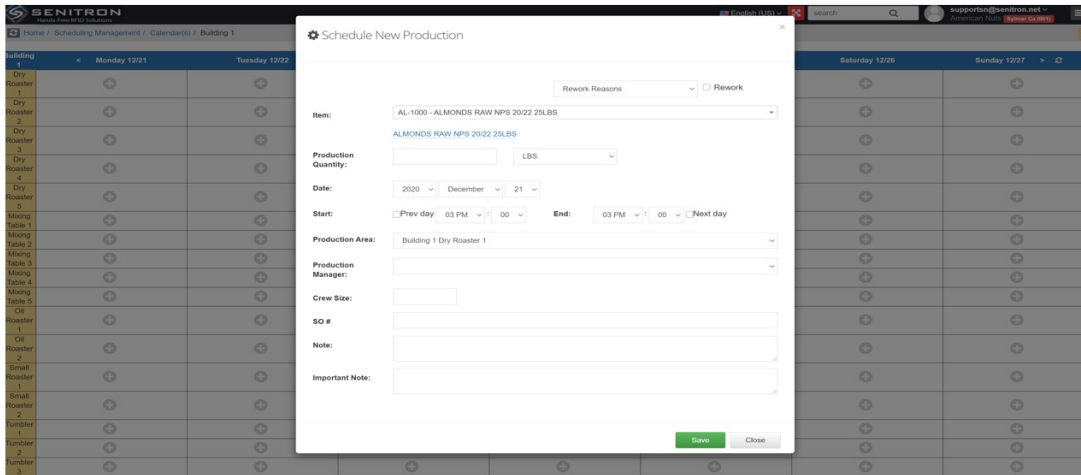


ERC

SCHEDULING AND WORK ORDER SYSTEM

PROCESSES:

- 1) SCHEDULER PULLS UP PRODUCTION CALENDAR TO VIEW LINE UTILIZATION AND SCHEDULES NEW PRODUCTION



- 2) SCHEDULED PRODUCTION GENERATES ELECTRONIC WO NUMBER

- 3) MOUNTED DISPLAYS SHOW WORK ORDER FULFILLMENT PROGRESS IN REAL TIME

| Building | < | Monday 12/07 | Tuesday 12/08 Today | Wednesday 12/09 | Thursday 12/10 | Friday 12/11 |
|---------------|---|--|--|-----------------|----------------|--|
| 1 | | | | | | |
| Dry Roaster 1 | | ML-19020 7AM-3:30PM WO13060 ML-19020 MELON SEEDS FANCY D/R/S 20LBS 50% AN Inventory 3 12 6000 LBS / 5800 LBS 90% Closed MV: -1% | ML-19020 10:30AM-3:30PM WO13477 ML-19020 MELON SEEDS FANCY D/R/S 20LBS Inventory 3 17 5000 LBS / 3800 LBS 70% WP | | | PK-26010 7AM-3PM WO13320 PK-26010 PUMPKIN SEEDS LADYNAIL D/R/S 20LBS For AN Inventory 3 13 6000 LBS / 0 LBS Open |

CONTROLS:

- SHOWS REAL-TIME ORDER STATUS
- ACTUAL QTY PRODUCED VS GOAL
- SET DIRECT LABOR STANDARD
- USAGE VARIANCE QTY/COST
- SCHEDULE LINE MAINTENANCE/DOWNTIME
- MESSAGES, NOTES
- MONITOR SHOP FLOOR



As of:2/15/2021

Days:15

ENTERPRISE RESOURCE CONTROL

Month-To-Date Shop Floor Monitor

Productivity

Goal Range: > 97%

101.8%

Material Usage Variance

Goal Range: 100% to 101%

101.2%

Line Utilization

Goal Range: > 70%

23.0%

Work Order Issues

Goal = 0%

3.2%94.0%2.5%2.6%1.4%0.0%0.0%

Total

10,098,0519,915,483182,568101.8%

54,409,71354,356,45455,239101.2%

2,98412,960-9,97723.0%

420143.2%39594.0%113.3%112.6%61.4%00.0%00.0%

SUMMARY

Building Ohio

1,698,9481,579,293119,655107.6%

792,153795,127-60,97490.9%

7,463,3407,546,399152,847101.6%

Building 1

\$325,419\$327,332\$1,91399.3%

\$1,313,318\$1,243,067\$71,422105.2%

\$2,746,976\$2,788,425\$16,44999.4%

Building 2

5621,400-1,23891.2%

5857,9%58100.0%

5894.1%27899.6%

Open = 12 hrs

Not flagged

FPO Violation

Not Allowed Sub

Expired Violation

Hold Violation

Review

00%35.2%00.0%00.0%00.0%00.0%

| Building | Line | Unit | QOS | Act Qty | Est Qty | Qty Variance | Cost | Est Cost | Cost Variance | % | SALES | Avail Hrs | Available Hrs | Util % | Open = 12 hrs | Not flagged | FPO Violation | Not Allowed Sub | Expired Violation | Hold Violation | Review |
|------------|------------------|------|-----|---------|---------|--------------|--------|-----------|---------------|-----------|--------|-----------|---------------|--------|---------------|-------------|---------------|-----------------|-------------------|----------------|--------|
| Building 1 | Dry Heaster 1 | LB | | 65,500 | 59,212 | 6,288 | 102.2% | \$155,858 | \$108,468 | \$47,390 | 96.7% | 95 | 360 | [165] | 26.4% | 14 | - | - | - | - | - |
| Building 1 | Dry Heaster 2 | LB | | 51,600 | 56,975 | (5,375) | 90.8% | \$205,407 | \$238,916 | \$5,491 | 121.3% | 56 | 360 | [304] | 15.5% | 8 | - | - | - | - | - |
| Building 1 | Dry Heaster 3 | LB | | 13,100 | 18,000 | (5,900) | 61.7% | \$21,870 | \$22,884 | \$(1,014) | 95.4% | 38 | 360 | [323] | 10.6% | 5 | - | - | - | - | - |
| Building 1 | Dry Heaster 4 | LB | | 21,805 | 25,150 | (3,345) | 86.7% | \$78,975 | \$81,810 | \$(1,535) | 96.9% | 33 | 360 | [328] | 10.0% | 8 | - | - | - | - | - |
| Building 1 | Dry Heaster 5 | LB | | 127,900 | 172,100 | (44,200) | 89.9% | \$263,094 | \$316,438 | \$4,348 | 106.3% | 10 | - | - | 0.0% | 4 | - | - | - | - | - |
| Building 1 | Mixing Table 1 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | 360 | [360] | 0.0% | 0 | - | - | - | - | - |
| Building 1 | Mixing Table 2 | LB | | 28,251 | 26,300 | 1,951 | 107.4% | \$65,846 | \$68,842 | \$(1,796) | 94.5% | 24 | 360 | [336] | 6.6% | 6 | - | - | - | - | - |
| Building 1 | Mixing Table 3 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | 360 | [360] | 0.0% | 0 | - | - | - | - | - |
| Building 1 | Mixing Table 4 | LB | | 1,825 | 4,000 | (2,175) | 45.4% | \$4,480 | \$4,776 | \$5 | 101.4% | 2 | 360 | [358] | 0.5% | 3 | - | - | - | - | - |
| Building 1 | Mixing Table 5 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | 360 | [360] | 0.0% | 0 | - | - | - | - | - |
| Building 1 | Oil Heaster 1 | LB | | 261,427 | 308,240 | (46,813) | 84.8% | \$245,130 | \$247,815 | \$(2,704) | 98.9% | 95 | 360 | [265] | 26.4% | 13 | - | - | - | - | - |
| Building 1 | Oil Heaster 2 | LB | | 125,335 | 123,200 | 2,135 | 101.7% | \$118,124 | \$120,148 | \$(1,624) | 99.5% | 62 | 360 | [299] | 17.1% | 10 | - | - | - | - | - |
| Building 1 | Small Resistor 1 | LB | | 1,930 | 2,000 | (70) | 94.0% | \$5,773 | \$5,818 | \$(45) | 99.5% | 5 | 360 | [355] | 1.4% | 3 | - | - | - | - | - |
| Building 1 | Small Resistor 2 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | 360 | [360] | 0.0% | 0 | - | - | - | - | - |
| Building 1 | Turnbuckle 1 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | - | - | 0.0% | - | - | - | - | - | - |
| Building 1 | Turnbuckle 2 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | - | - | 0.0% | - | - | - | - | - | - |
| Building 1 | Turnbuckle 3 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | - | - | 0.0% | - | - | - | - | - | - |
| Building 1 | Turnbuckle 4 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | - | - | 0.0% | - | - | - | - | - | - |
| Building 1 | Turnbuckle 5 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | - | - | 0.0% | - | - | - | - | - | - |
| Building 1 | Turnbuckle 6 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | - | - | 0.0% | - | - | - | - | - | - |
| Building 1 | Turnbuckle 7 | LB | | - | - | - | 0.0% | \$- | \$- | \$- | 0.0% | - | - | - | 0.0% | - | - | - | - | - | - |
| Building 1 | LAMM LINE | EA | | 14,282 | 14,292 | (10) | 100.0% | \$5,842 | \$5,707 | \$135 | 102.4% | 28 | 360 | [332] | 7.7% | 5 | - | - | - | - | - |

ERC

WAREHOUSE MANAGEMENT SYSTEM: WORK ORDER STAGING

PROCESSES:

1) MANAGE WORK ORDER STAGING FOR UPCOMING PRODUCTION

Home / Production Stagings

Production Staging Pending (68) Production Staging In Progress (92) Production Staging History (434) [RFID Verification](#) [Download](#)

WO#, Item# - Anywhere - - Anywhere - All Days Clear Filter 1 - 20 of 68

Filter by Zone Filter by Sub Zone

| Date/Time | WO# | Item | Quantity | Zone | Scheduled By | Note | Progress | Action |
|-----------------------------------|-------|--|----------|-------------------------|------------------------------------|------|----------|------------------------|
| 12/07/2020 09:00 AM - 03:30 PM | 13440 | ML-19020 MELON SEEDS FANCY D/R/S 20LBS | 6000 LBS | Building 1 Tumbler 7 | Herman Desimone Production Manager | | - | Assign |

2) SHOWS PICKER AVAILABLE ITEMS ON THE MAP SORTED IN FIFO ORDER PICKER SELECTS TAGS AS THEY ARE TRANSFERRED TO COMPOUNDING

Manage Production Staging(s) - WO# 62

Select Tag(s) to Satisfy Production Quantity Enter tag # with space in between [Add & Save](#) [Exit Without Saving](#) [Save & Exit](#) [Save](#)

| Alt Name | Category | Name | Zone | UOM | Required QTY | Selected Tag(s)/QTY | Pending Required Quantity | Status | FIFO | | | |
|--------------------------|----------|--|----------------|--------|---------------|---------------------|---------------------------|------------|-------------------|----------------------|--------|------|
| WIP-1258 | --- | MIX CORN & SALSA CORN STICKS 1.1oz (MP-1028 25557) | 14 ILAPAK LINE | EA | 156404 EA | 0 | 156404 EA | Incomplete | No | | | |
| <input type="checkbox"/> | Tag# | Expiration | Lot# | Type | Pallet/Case # | Qty | # of cases | Units P.C. | Last Seen | Zone | Status | FIFO |
| <input type="checkbox"/> | 131455 | 03/23/2020 | 20201201 | Pallet | 1 | 5003.6348 | 1 | 5003 | 12/08/20 11:01 AM | Building 2 39 | Live | |
| <input type="checkbox"/> | 163169 | 02/02/2021 | 20201014 | Pallet | 1 | --- | --- | 5643 | 10/26/20 10:27 AM | PHL | Live | |
| <input type="checkbox"/> | 158425 | 03/18/2021 | 20201118 | Pallet | 1 | 5396.392 | 1 | 5396 | 12/04/20 08:34 PM | Building 2 91 | Live | |
| <input type="checkbox"/> | 158550 | 03/18/2021 | 20201117 | Pallet | 1 | 5056.1801 | 1 | 5056 | 12/04/20 06:34 PM | Building 2 90 | Live | |
| <input type="checkbox"/> | 158540 | 03/18/2021 | 20201117 | Pallet | 1 | 483.9074 | --- | 5410 | 12/03/20 10:22 PM | HIS R1 Building 2 90 | Live | |

3) MONITOR STAGING PROGRESS

Production Staging Pending (67) Production Staging In Progress (92) Production Staging History (434) [RFID Verification](#) [Download](#)

WO#, Item# - Anywhere - - Anywhere - All Days Clear Filter 1 - 20 of 92

Filter by Zone Filter by Sub Zone

| Date/Time | WO# | Item | Quantity | Zone | Assigned To | Note | Progress | Action |
|-----------------------------------|-----|--|----------|------------------------------|--------------------|------|----------|------------------------|
| 01/07/2020 05:00 AM - 03:00 PM | 62 | MP-1028 MASTER PACK SOUTHWEST MEMBERS MARK 4.45oz CF#25557 | 43500 | Building 2 14 ILAPAK LINE | Refugio de la Rosa | | 50% | Manage |

PROCESSES:

4) SPLIT TAGS IF NEEDED

CREATE NEW TAGS WITH SAME INFO AS ORIGINAL TAG BUT NEW QTY

Tag Split CHS-2484 ITEM NAME

| Tag# | Expiration | Lot# | Type | Pallet/Case # | # of cases | Units P.C. | LB |
|--------|------------|----------|--------|---------------|------------|------------|-----|
| 125208 | 11/19/2020 | 20200810 | Pallet | 28 | 0 | 500.00000 | 0.0 |

How Many Units Would You Like to Remove From the Current Tag? (Cases)

Tag 125208 will be left with 0 cases.

[Split & Print Tag](#) Selected Printer 1 Test Printer



5) PICKER CONFIRMS WO STAGING COMPLETION CHANGING ORDER STATUS TO STAGING COMPLETED

Production Staging(s) In progress Assignment

MASTER PACK SOUTHWEST MEMBERS MARK 4.45oz CF#25557 [Back To Menu](#) [Cancel Staging](#) [Cancel Staging & Unload/Load Everything](#) [Staging Completed](#)

| Date/Time | WO# | Quantity | Assign Location | Scheduled By | Staging Assign To | Start Time | Progress | Status |
|-----------------------------------|-----|-----------|------------------------------|--------------------------------|--------------------|------------------------|----------|-------------|
| 01/07/2020 05:00 AM - 03:00 PM | 62 | 43500 LBS | Building 2 14 ILAPAK LINE | Production Manager Giovanni A. | Refugio de la Rosa | 08/03/2020 12:00 AM | 50% | In progress |

| Item | UOM | Required Qty | Available Qty | Picked Qty | Progress | FIFO | Action |
|---|-----|--------------------|---------------|------------|----------|------|---------------------------------------|
| CHS-2484 CHESSE BLEND DEEP Y BAKED TACO 5oz 1000004 | EA | 156404 EA (313 CS) | 156404.0 EA | 229111 | 146% | No | Select & Allocate |
| DA-00000 DRESSING SOUTHWEST RANCH 21oz 75oz 1411502 ZIP | EA | 156404 EA (172 CS) | 400000.0 EA | 8048 | 3% | Yes | Select & Allocate |
| WIP-1028 MIX CORN & SALSA CORN STICKS 1.1oz (MP-1028 25557) | EA | 156404 EA | 60079.77 EA | --- | - | No | Select & Allocate |

Add Notes & Messages

☐ Important? [Submit](#)



6) PRE-WEIGHER REVIEWS WO'S WITH PRE-WEIGH STAGING COMPLETED STATUS TO IDENTIFY STAGED OVERAGES BASED ON FORMULA (BOM)

Production Staging(s) In progress Assignment

MASTER PACK SOUTHWEST MEMBERS MARK 4.45oz CF#25557 [Back To Menu](#) [Cancel Staging](#) [Cancel Staging & Unload/Load Everything](#) [Staging Completed](#)

| Date/Time | WO# | Quantity | Assign Location | Scheduled By | Staging Assign To | Start Time | Progress | Status |
|-----------------------------------|-----|-----------|------------------------------|--------------------------------|--------------------|------------------------|----------|-------------|
| 01/07/2020 05:00 AM - 03:00 PM | 62 | 43500 LBS | Building 2 14 ILAPAK LINE | Production Manager Giovanni A. | Refugio de la Rosa | 08/03/2020 12:00 AM | 50% | In progress |

| Item | UOM | Required Qty | Available Qty | Picked Qty | Progress | FIFO | Action |
|---|-----|--------------------|---------------|------------|----------|------|---------------------------------------|
| CHS-2484 CHESSE BLEND DEEP Y BAKED TACO 5oz 1000004 | EA | 156404 EA (313 CS) | 156404.0 EA | 229111 | 146% | No | Select & Allocate |
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| WIP-1028 MIX CORN & SALSA CORN STICKS 1.1oz (MP-1028 25557) | EA | 156404 EA | 60079.77 EA | --- | - | No | Select & Allocate |

Add Notes & Messages

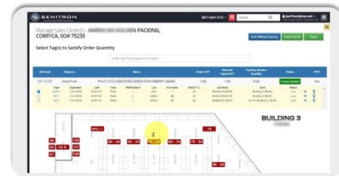
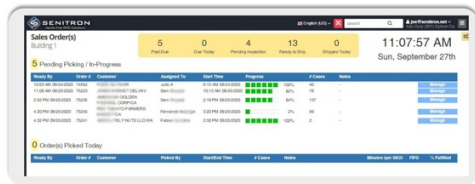
☐ Important? [Submit](#)



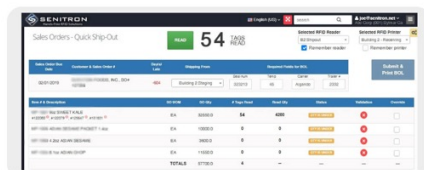
PROCESSES:

[illegible]

4) PICKERS VIRTUALLY ALLOCATE TAGS TO SALES ORDER



6) QUICK SHIP MODULE CAN BE USED IF MANAGEMENT REVIEW NOT REQUIRED



Option 1: As each pallet exits and get loaded into trucks on the loading docks.



Option 2: RFID labels can be read quickly under fixed wall-mounted RFID reader.

CONTROLS:

- **STATS ARE AVAILABLE TO SHOW IF PERSONNEL IS PICKING FIFO, SPEED OF SKU PER MINUTE, AND MORE**
- **MANAGEMENT RECEIVES ALERT EMAIL IF ANY FIFO OR QA VIOLATIONS OCCUR**
- **SHOWS ALLOWABLE SUBS**
- **SALESPERSON RECEIVES EMAIL IF ORDER WAS SHORT SHIPPED**



- **MONITOR ITEM MARGINS, ACTUAL SALES TO FORECAST BY SALESPERSON, SALES CATEGORY, CUSTOMER AND ON-TIME DELIVERY**



ERC

WAREHOUSE MANAGEMENT SYSTEM: WORK ORDER CLOSURE

PROCESSES:

1) MATERIAL HANDLER SELECTS WO BEING PRODUCED TO PRINT AND ATTACH TAGS

AL-1180 ALMONDS D/R/BBQ 25LBS WO# 13318

of Pallets # of Per Pallet

Lot Date 2020 - December - 14 [History / Modify / Report](#)

Expiration Date

Location 3PL Inside

Printer Building 1 Production

[print](#)



2) DURING PRODUCTION, SUPERVISOR COLLECTS TAGS FROM MATERIAL USED IN WO



3) ONCE WO PRODUCTION IS COMPLETED, SUPERVISOR BRINGS COLLECTED TAGS TO REPORTING STATION TO CLOSE WO PRODUCTION

Work Order Closed

| Production Date | WO # | Production Manager | Item Name | Production Qty | Production % | Production Status | Reason | Reason Code |
|-----------------|-------|--------------------|--|----------------|--------------|-------------------|--------|-------------|
| 12/11/2020 | 13364 | Herrera | BP-34000 SUNFLOWER SEEDS MEDIUM (2500 LBS) | 4000 LBS | 100.0 | 0.0 | Closed | 0.0 |

| Item #/Name | UOM | Estimated Qty | Actual Qty | Production % | Reason Code | Change Reason |
|--|-----|---------------|------------|--------------|-------------|---------------|
| BP-34000 SUNFLOWER SEEDS MEDIUM (2500 LBS) | LBS | 4000 | 4100 | 100.0 | 0.0 | Other |
| BP-41000 BALSAMIC VINEGAR (500 LBS) | LBS | 500 | 500 | 0.0 | 0.0 | |
| BP-41000 BALSAMIC VINEGAR (500 LBS) | LBS | 500 | 500 | 0.0 | 0.0 | |
| BP-41000 BALSAMIC VINEGAR (500 LBS) | LBS | 500 | 500 | 0.0 | 0.0 | |

| Item #/Name | UOM | Estimated Qty | Actual Qty | Production % | Reason Code | Change Reason |
|--|-----|---------------|------------|--------------|-------------|---------------|
| BP-34000 SUNFLOWER SEEDS MEDIUM (2500 LBS) | LBS | 4000 | 4100 | 100.0 | 0.0 | Other |
| BP-41000 BALSAMIC VINEGAR (500 LBS) | LBS | 500 | 500 | 0.0 | 0.0 | |
| BP-41000 BALSAMIC VINEGAR (500 LBS) | LBS | 500 | 500 | 0.0 | 0.0 | |

| Item #/Name | UOM | Estimated Qty | Actual Qty | Production % | Reason Code | Change Reason |
|--|-----|---------------|------------|--------------|-------------|---------------|
| BP-34000 SUNFLOWER SEEDS MEDIUM (2500 LBS) | LBS | 4000 | 4100 | 100.0 | 0.0 | Other |
| BP-41000 BALSAMIC VINEGAR (500 LBS) | LBS | 500 | 500 | 0.0 | 0.0 | |
| BP-41000 BALSAMIC VINEGAR (500 LBS) | LBS | 500 | 500 | 0.0 | 0.0 | |

12/12/2020 10:08 AM



CONTROLS:

- AUTO SET QA HOLD FOR CUSTOMER OR ITEM
- QUALITY MANAGER RECEIVES DAILY EMAILS WITH ITEMS STILL ON-HOLD AFTER A CERTAIN NUMBER OF DAYS
- QUALITY MANAGER RECEIVES EMAIL SHOWING QUALITY HOLD VIOLATIONS
- ALERTS MANAGEMENT WHEN ITEM SITING IN AREA FOR MORE THAN SET DAYS
- MANAGEMENT RECEIVES ALERTS IF VARIANCE FROM BOM OR ALLOWABLE SUBS
- TRACK ACTUAL LOT QTY AND COST
- HIGH MATERIAL USAGE VARIANCES REQUIRE REASON CODE EXPLANATIONS

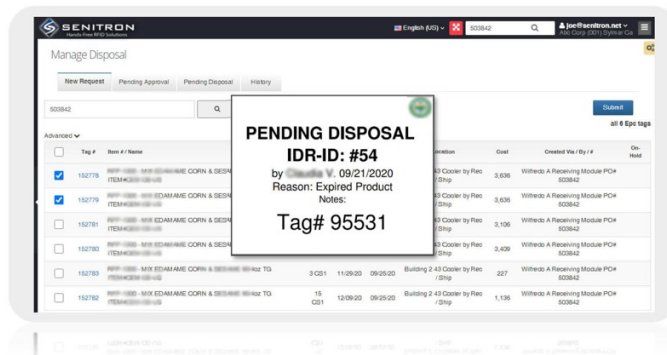


ERC

QUALITY CONTROL SYSTEM: DISPOSALS

PROCESSES:

- 1) QA STARTS INVENTORY DESTRUCTION REQUEST (IDR) AUTO GENERATING AN INTERNAL DESTRUCTION NUMBER
- 2) QA EMPLOYEE PRINTS AND ATTACHES IDR LICENSE PLATE
- 3) MANAGEMENT ETHER APPROVES OR REJECTS DISPOSAL



CONTROLS:

- IDR LICENSE PLATE ATTACHED TO PALLET CREATES CLEAR VISIBILITY
- AUTOMATICALLY CHANGES TAG STATUS TO QA HOLD AND UNAVAILABLE FOR USAGE
- QUALITY MANAGER RECEIVES EMAILS WITH HOLD QUALITY IDR VIOLATIONS
- DEPENDING ON THE DOLLAR VALUE THRESHOLD, APPROPRIATE MANAGER RECEIVES EMAIL FOR IDR APPROVAL OR REJECTION



- MONITOR EXPIRING EXPOSURE AND AGED INVENTORY

| Disposal | | | | | | | | | |
|--------------------------|---|--------------|--------|----------|---------------------|---------------------------|--------------|------------------------------------|---------------|
| Pending Disposal | | | | | | | | | |
| IDR-ID # | Requested At | Requested By | Reason | Status | Approved At | Approved By | Total Cost | | |
| 36 | 09/16/2020 01:38 PM | Angie Jiron | Other | Approved | 09/16/2020 02:49 PM | Nate Wilts | 1,887 | | |
| Tag # | Item # / Name | Qty | Cost | Exp Date | Lot Date | Location | Alloc to SOF | Created Via By # | Prod Line |
| <input type="checkbox"/> | 61797 PKG-60001 - SUNFLOWER KERNEL ORIS 3001 oz | 36 CS | 270 | 10/28/20 | 04/26/20 | HH: R1 Building 3 (89-9A) | | Late P Production WOF 4275 | 4 ILAPAK LINE |
| <input type="checkbox"/> | 62084 PKG-60001 - SUNFLOWER KERNEL ORIS 3001 oz | 36 CS | 270 | 10/27/20 | 04/27/20 | HH: R1 Building 3 (89-7A) | | Javier A Production WOF 4283 | 4 ILAPAK LINE |
| <input type="checkbox"/> | 62457 PKG-60001 - SUNFLOWER KERNEL ORIS 3001 oz | 36 CS | 270 | 10/27/20 | 04/27/20 | Outside Building 1 Exit | | Fred Contreras Production WOF 4283 | 4 ILAPAK LINE |
| <input type="checkbox"/> | 61809 PKG-60001 - SUNFLOWER KERNEL ORIS 3001 oz | 36 CS | 270 | 10/27/20 | 04/27/20 | Outside Building 3 Exit | | Javier A Production WOF 4283 | 4 ILAPAK LINE |
| <input type="checkbox"/> | 61952 PKG-60001 - SUNFLOWER KERNEL ORIS 3001 oz | 36 CS | 270 | 10/27/20 | 04/27/20 | Outside Building 3 Exit | | Javier A Production WOF 4283 | 4 ILAPAK LINE |
| <input type="checkbox"/> | 62162 PKG-60001 - SUNFLOWER KERNEL ORIS 3001 oz | 36 CS | 270 | 10/27/20 | 04/27/20 | Outside Building 3 Exit | | Javier A Production WOF 4283 | 4 ILAPAK LINE |
| <input type="checkbox"/> | 62333 PKG-60001 - SUNFLOWER KERNEL ORIS 3001 oz | 36 CS | 270 | 10/27/20 | 04/27/20 | Outside Building 3 Exit | | Javier A Production WOF 4283 | 4 ILAPAK LINE |

| Inventory Monitor | | | | | | | | | |
|---------------------------|-------|----------|----------|----------|---------------------|-----|-----|----------|--|
| On Hand (In 000's) Detail | | | | | | | | | |
| Item #/Name | Tag # | Lot Date | Exp Date | Category | (+)On Time (-) Late | UOM | Qty | Cost | |
| AI-1040 Dry Roasted | 12452 | 9/9/20 | 9/9/20 | Boxes | -3 | Lb | 150 | \$ 155.0 | |
| AI-1040 Dry Roasted | 12452 | 9/10/20 | 9/10/20 | Candies | 3 | Lb | 150 | \$ 600.0 | |
| AI-1040 Dry Roasted | 12452 | 9/9/20 | 9/9/20 | Boxes | -3 | EA | 150 | \$ 700.0 | |
| AI-1040 Dry Roasted | 12452 | 9/10/20 | 9/10/20 | Candies | 3 | EA | 150 | \$ 200.0 | |
| AI-1040 Dry Roasted | 12452 | 9/10/20 | 9/10/20 | Boxes | -3 | Lb | 150 | \$ 155.0 | |
| AI-1040 Dry Roasted | 12452 | 9/10/20 | 9/10/20 | Candies | 3 | Lb | 150 | \$ 600.0 | |
| AI-1040 Dry Roasted | 12452 | 9/9/20 | 9/9/20 | Boxes | -3 | EA | 150 | \$ 700.0 | |
| AI-1040 Dry Roasted | 12452 | 9/10/20 | 9/10/20 | Candies | 3 | EA | 150 | \$ 200.0 | |
| AI-1040 Dry Roasted | 12452 | 9/10/20 | 9/10/20 | Boxes | -3 | Lb | 150 | \$ 155.0 | |
| AI-1040 Dry Roasted | 12452 | 9/10/20 | 9/10/20 | Candies | 3 | Lb | 150 | \$ 600.0 | |
| AI-1040 Dry Roasted | 12452 | 9/9/20 | 9/9/20 | Boxes | -3 | EA | 150 | \$ 700.0 | |

THANK YOU

