

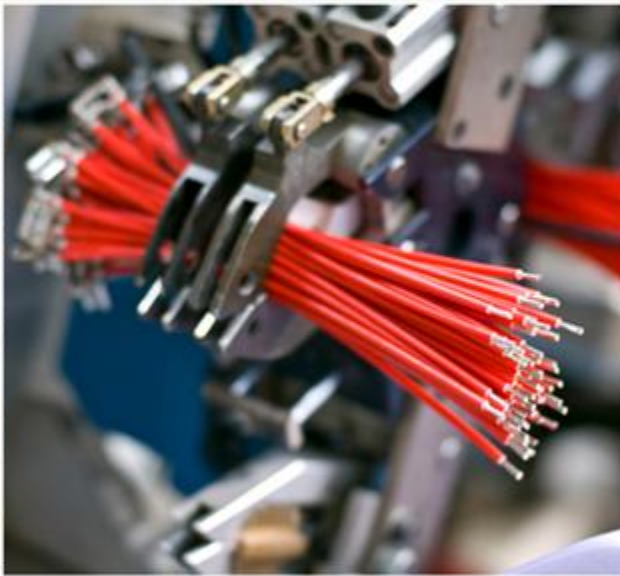
QAD Midwest User Group

QAD Automation Solutions

Effective Material Handling, Effective Enterprise, Effective User

Adam Kacala

March 22nd 2016



Our Passion. Your Advantage.

Agenda

- Solution Overview
- Practical Applications
- Value Proposition
- Summary
- Q&A

Business Challenges Solved

Business Driver	Customer Pain	Industries
Error proofing business process	Need real-time transaction validation and notify/stop user from processing transaction in case of error	All
Paperless task instructions	Eliminate slate, lost and hard to manage printed task lists	All
Alignment of systems to material flow	Need ability to configure transaction flow to business needs	All
Automation	Need intuitive, easy to use system, with users completing activities in least amount of time	All
Regulatory and industry compliance	Need ability to comply with regulatory and industry track & trace compliance, and ability to track root cause of issues	All

MWUG – QAD Automation Solutions

Solution



**Data Collection
Framework**



Label Printing



**Packaged
Material
Handling
(Serialization)**

3 New Solutions Combined

Serialization and Packaged Inventory

Item Serialization

A Unique Identification Number of Sellable Unit



Packaged Inventory

Inventory packaged using unique Package ID



Configurable Inventory View



Serialized Inventory Report

10USA USD

Page 1 / 3

3/3/2016

4:48:12 PM

Site	Location	Item Number	Lot/Serial	Reference	Qty On Hand	Qty in Pack	Loose Inv	UM
10-100	010	01050 Pocket Ultrasound	01050-0001		16.00	16.00	0.00	EA
Lv	Serial ID	Pack Code	Stage	Avail Pack Qty	UM			
1	SN150U16030000000001	T002		8.00	EA			
.2	SN150U16030000000002		Aggregated	1.00	EA			
				1.00	EA			
				1.00	EA			
				1.00	EA			
				1.00	EA			
				1.00	EA			
				1.00	EA			
.2	SN150U16030000000009		Aggregated	1.00	EA			
Total				8.00	EA			

Classic View
By Lot Number

Quantity On Hand
In Packs & Loose

Configurable Inventory View



Serialized Inventory Report

10USA USD

Page 1 / 3

3/3/2016

4:48:12 PM

Site	Location	Item Number	Lot/Serial	Reference	Qty On Hand	Qty in Pack	Loose Inv	UM
10-100	010	01050 Pocket Ultrasound	01050-0001		16.00	16.00	0.00	EA

Lv	Serial ID	Pack Code	Stage	Avail Pack Qty	UM
1	SN150U1603000000001	T002	Active	8.00	EA
.2	SN150U1603000000002		Aggregated	1.00	EA
.2	SN150U1603000000003		Aggregated	1.00	EA
.2	SN150U1603000000004		Aggregated	1.00	EA
.2	SN150U1603000000005		Aggregated	1.00	EA
.2	SN150U1603000000006		Aggregated	1.00	EA
.2	SN150U1603000000007		Aggregated	1.00	EA
.2	SN150U1603000000008		Aggregated	1.00	EA
.2	SN150U1603000000009		Aggregated	1.00	EA
Total				8.00	EA

Drill Down to Details of Packaging

Configurable Inventory View



Serialized Inventory Report

Page 1 / 3

3/3/2016

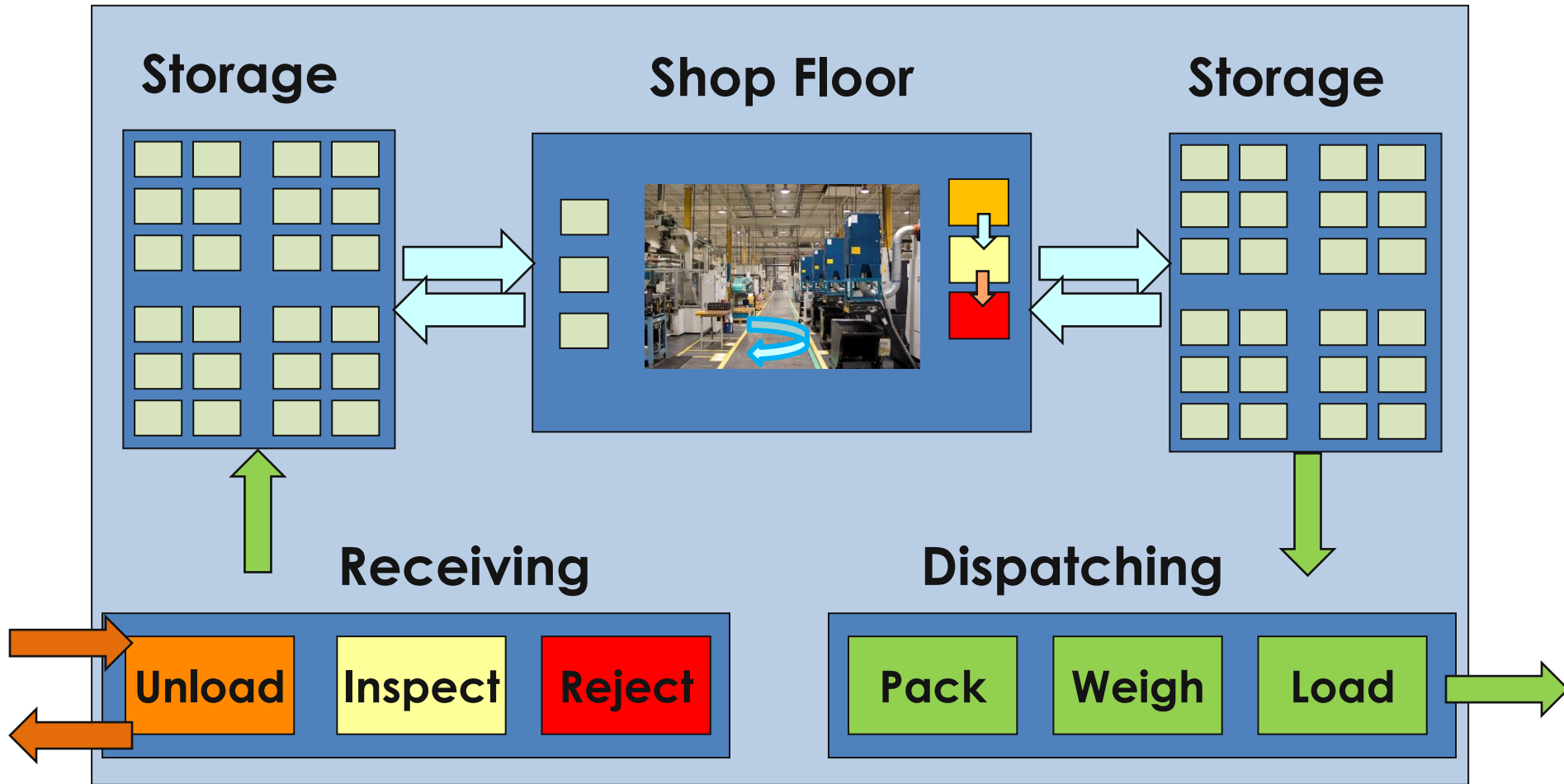
4:48:12 PM

Down to Individual
Serialized Units

Site	Location	Item Number	Unit of Measure	Qty On Hand	Qty in Pack	Loose Inv	UM
10-100	010	01050 Pocket Ultrasound		16.00	16.00	0.00	EA

Lv	Serial ID	Pack Code	Stage	Avail Pack Qty	UM
1	SN150U1603000000001	T002	Active	8.00	EA
.2	SN150U1603000000002		Aggregated	1.00	EA
.2	SN150U1603000000003		Aggregated	1.00	EA
.2	SN150U1603000000004		Aggregated	1.00	EA
.2	SN150U1603000000005		Aggregated	1.00	EA
.2	SN150U1603000000006		Aggregated	1.00	EA
.2	SN150U1603000000007		Aggregated	1.00	EA
.2	SN150U1603000000008		Aggregated	1.00	EA
.2	SN150U1603000000009		Aggregated	1.00	EA
Total				8.00	EA

Inventory Transactions



Key Benefits

Serialization, Packaged Inventory & Attributes

Configurability (by process area, by transaction, item)

Integrated Label Printing

Choice of Inventory Tracking
by lot / by serial ID

Issues Resolution, Track &
Trace

Bill of Packaging (by site,
item, trans. type, address)

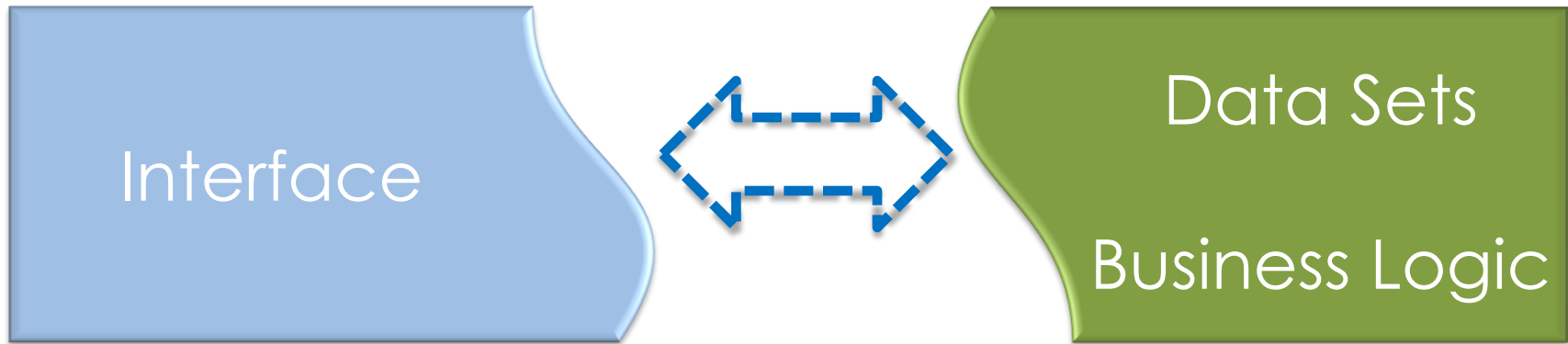
Industry & Regulatory
Compliance

Error Proofing (LP inventory
automated by DC)

Item Attributes

Data Collection

API Based Architecture



- Configurability (no customizations!!)
- System tailored to the Shop Floor Business Process
- Ease of configuration changes and upgrades
- Maintainability (training for QAD Customers)

Data Collection

The screenshot displays the 'Transaction Definition Maintenance' window in QAD. The 'Processes' tab is active, and the 'ttPOTrans:Fields' list is shown. The list includes fields like 'psNbr', 'PrintLbl', 'dummyPO', 'dlastScanitem', 'IsBlankPO', 'itemNumber', 'dummy', 'nbr', 'fline', and 'psType'. Each field has columns for 'Seq', 'Field Name', 'Short Label', 'Update', 'Display', and 'Details'. A blue callout box highlights the 'Fully Configurable Interface' text. To the right, a preview of a PO receipt is shown, displaying details such as 'Packing S1: aha', 'Order: 102386', 'Item: 008917', 'Line: 1', 'UM: EA', 'Desc: HUB SEAL JOURNAL 13K', 'Tot Qty: 10', 'Last Qty: 10', and 'Quantity: 5'. The bottom of the preview shows function key shortcuts: F1-Go, F4-Back, F5-Del, F10-Done.

Seq	Field Name	Short Label	Update	Display	Details
1	psNbr	Packing S1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	PrintLbl	Prompt Lbl	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	dummyPO	Order	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	dlastScanitem	Last Scan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	IsBlankPO	PO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	itemNumber	PO Item	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	dummy	dummy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	nbr	Order	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	fline	Line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	psType	Type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Fully Configurable Interface

PO receipt - by PO
PO Detail
Packing S1: aha
Order: 102386
Item: 008917
Line: 1
UM: EA
Desc: HUB SEAL JOURNAL 13K
Tot Qty: 10
Last Qty: 10
Quantity: 5
F1-Go F4-Back F5-Del F10-Done

Data Collection

PO Shipper Maintenance

Go To Actions Copy Print Preview Attach

Supplier: 3151002 Ship Date: Sydney Copper Company
Shipper ID: SP001 Market Street 55

Ship-to ID: 10-200 Automotive Mfg

Contents (Items)

Item Number:

Purchase Order: Line:

Qty to Receive: UM: UM Conv:

Site:

Location:

Lot/Serial:

Reference:

Supplier Lot:

Multi Entry: ☐

Step 1

Step 2

PO Shipper Maintenance

PO Nbr: P1598
Pack Slip: PK001

Step 1

^Item Number

F2-Look F4-Back F9-

Step 2

Sequence of events on RF screen tailored to Shop Floor specifics

MWUG – QAD Automation Solutions

Data Collection

Ship To: 10C1000

Wal-Mart
702 S.W. 8th Street

Waterfront

Bentonville, AR 72716
USA - TAX PURPOSE

PICKLIST / PRE-SHIPPER

Pre-Shipper: P50331140002

Page: 1

Print Date: 03/31/14

Sales Order: bws14311 Order Date: 03/31/14 Ship To PO:

Ln	Item Number	Site T Location	Lot/Serial Ref	Qty Open UM	Due Shipped
1	60779000 Revision: A Truck Spring	10-202		50.0 EA 50.0 ()	04/01/14
2	60779000-1 Revision: A Truck Spring	10-202		300.0 EA 300.0 ()	04/01/14



Paperless Instructions

Data Collection

Pack Transfer X

Transaction 1:
Pack Transfer

Go To ▾ ⚡ Act Preview Attach ▾

Serial ID: 10200A1512000000001

Stage: Active

Pack Decommission X

Transaction 2:
Pack Decommission

Go To ▾ ⚡ Actions ▾

Parent Data

Item Number: Serial ID: 10200A1512000000001

Stage: Active

Transfer To Site:

Lot/Ser: Additional Parent Pack

Pack Code: PL02

GMA 4-way Pallet

Number of Child Packs: 2.0 / 5.0 BX

Effective Date: Total Inventory In Pack: 16.0 / 40.0 EA

Order:

Sales/Job: Lower-Level Pack

Serial

Pack Code

Pack Transfer

Serial ID: P000000054

Stage: active

Item: 0100025-A

Desc: FREESTYLE, LNCT, 2

Qty: 22.0

Lot/Ser: 151870301

From Loc: MOLDINSP

^To Location

F2-Look Single Screen in DC the F9-Abort

Linked Transactions:
Multiple steps in .NET, seamlessly combined
inside one DC transaction

Key Benefits

QAD Data Collection

Fully configurable interface
(including .NET)

Data validation on API and
transaction level

Linked Transactions

Decoding of all types of
barcodes (2d, QR, GS1 ...)

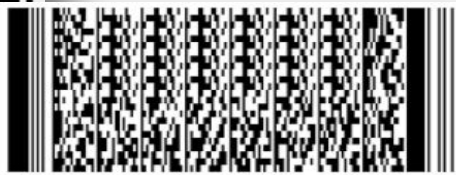
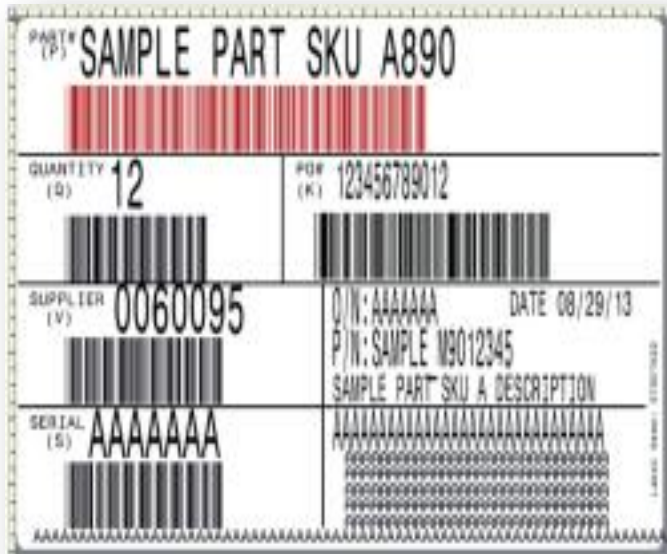
Static & dynamic default
values

Integrated label printing

Paperless instructions

IT Manageable toolset

Label Printing Services



Master

Container

Customer
Item

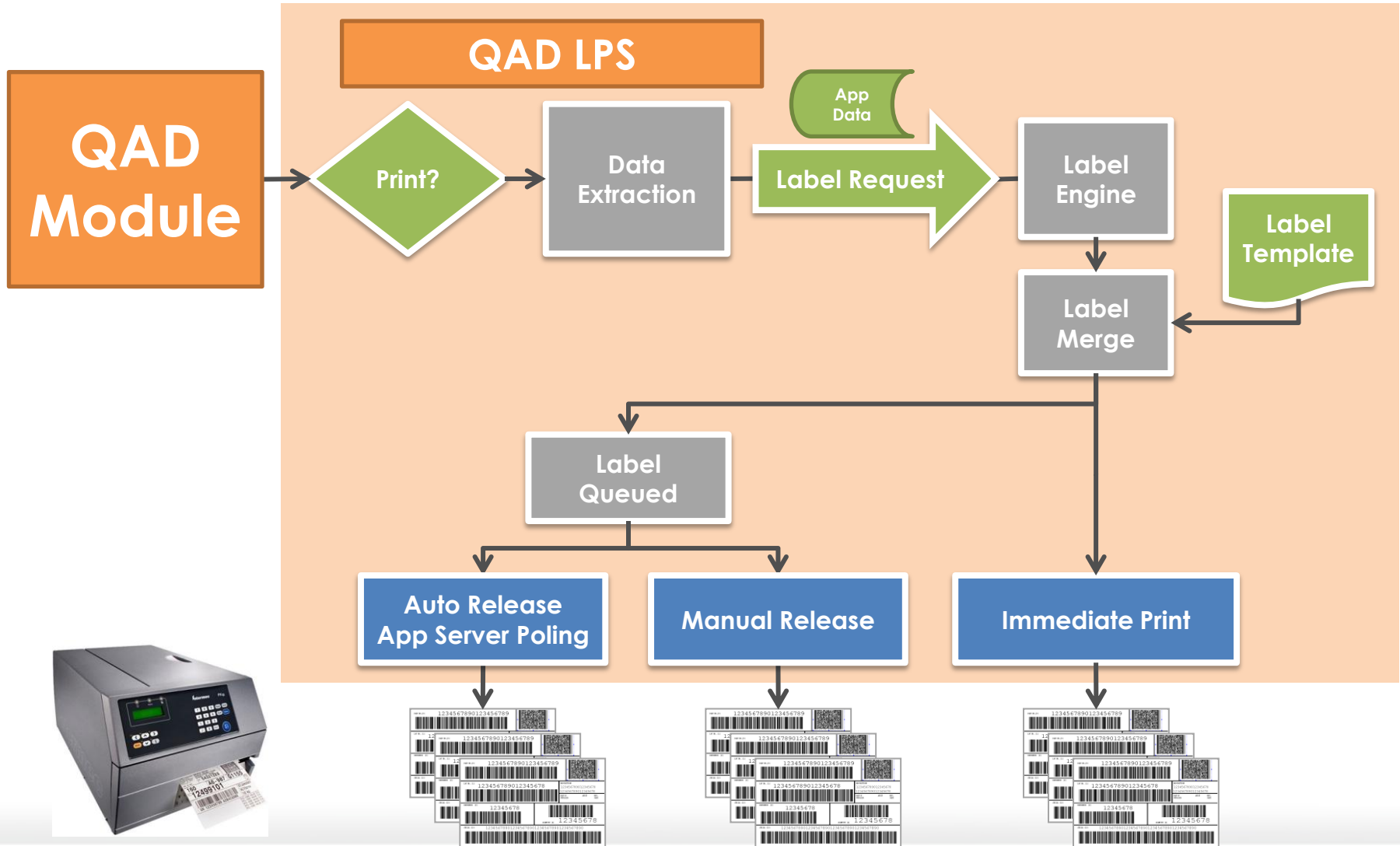
License Plate



Label Printing Services



Label Printing Services



Key Benefits

QAD Label Printing Services

Integrates with QAD and non-QAD modules

Works with print servers and prints direct to printers

Advanced format routing capabilities

True label reprint (track & trace)

Advanced printer routing capabilities

Printer and label monitoring dashboard

Advanced label pooling capabilities

Handles all types of barcodes (2d, QR, GS1 ...)

Practical Applications

The following pages present examples of DC transactions from QAD Automation Solutions customer projects.

This presentation is focused only on selected implementation examples. There are over 130 “flavors” of transactions (plus EAM) available in the AS Library.

Engagement Model

Reusability & Continuous Improvement

Transaction and Label Library

Assessment
Workshop

Label Workshop

Transaction Pre-
selection

Training

Business Process
Walkthrough

Implementation

Transaction and Label Library

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

PO Receipt by Qty: Simple PO Receipt by Lot

1. Enter/Scan PO #
2. Enter/Scan Packing Slip #
3. Enter/Scan Item #
4. Enter Lot #
5. Enter Supplier Lot# (optional)
6. Receiving location default from Item Mstr
7. Confirm (no label print)

```
PO Receipt by Lot
      PO Detail
      Order: P2767
Pack Slip: P123
      Item: 0700015-a
      Line: 1
      UM: EA
      Desc: NDL 28G - FREESTYLE
```

Lot/Ser:

F4-Back F10-Done F9-Abort

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

PO Receipt by Pack: Step 1 Create PO Shipper

1. Enter/Scan PO #
2. Enter/Scan Packing Slip #
3. Enter/Scan Item #
4. Enter Qty received
5. Enter location (defaults from Item Mstr)
6. Enter Lot #
7. Enter Supplier Lot# (optional)
8. Confirm and print labels
9. Number and type of labels driven by BOP (Bill Of Packaging) and QTY received

```
PO Shipper Maintenance

      PO Nbr: P2767
Pack Slip: P123
      Item Nbr: 0700015-a
           Desc: NDL 28G - FREESTY
           Line: 1, UM:EA

Item Label Qty
_____ 0.0

F4-Back F9-Abort
```

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

PO Receipt by Pack: Step 2 PO Shipper Unload

1. Scan the License Plate #
2. Enter Quantity on Pallet
(full and partial pallets)
3. Confirm receipt complete

```
Pending PO Shipper Unload
                PO Det
      PO: P2767
  Shipper: P1234
  Tot Qty: 0.00
      LP: P000001539
      Item: 0700015-a
  Location: a2
      Lot: LOT01
  Supplier: 13000100

Qty:
    100.0

F4-Back F10-Done F9-Abort
```

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

PO Receipt: Receipt using QR/Long Barcode

Diagram illustrating the data elements captured from a PO receipt label (B-25942) and mapped to system fields:

- FIELD 1: PART B-25942
- FIELD 11: (Empty)
- FIELD 2: (Empty)
- FIELD 3: CAM Tube Body
- FIELD 4: QUANTITY 001000
- FIELD 5: (Empty)
- FIELD 9: PURCHASE ORDER 21708
- FIELD 10: (Empty)
- FIELD 12: DATE 6/11/02
- FIELD 7: REVISION 9
- FIELD 8: (Empty)
- FIELD 13: CTRL # 1250
- FIELD 14: (Empty)
- FIELD 15: (Empty)
- SUPPLIER NAME: New Parts Tool Co
- SUPPLIER PN: 381A50764B
- CARTON IDENTIFIER: 21708B-25942 9 1250001000

PO receipt - by PO
PO Detail

Packing S: 16106900

Order: PRC60315
Item: 64817
Line: 2
UM: EA
Desc: Plastic Isolator (Iss)

Quantity: 0.0

F4-Back F5-Done F10-Abort

DC Transaction will decode the barcode and populate all data elements automatically

Practical Applications

Receiving

**Transfer
Put-Away**

Production

Inventory

Shipping

Inventory Transfer: “Smart” Inventory Transfer

1. Scan/Enter target location
2. Depending on target location type transaction will:
3. Scan LP #
Execute a simple transfer
or
Transfer inventory and decommission pallet (if target location is a production line)

Pack Transfer

```
Serial ID: P000000054
Stage: active
Item: 0100025-A
Desc: FREESTYLE, LNC
Qty: 22.0
Lot/Ser: 151870301
From Loc: MOLDINSP
To Loc: CELL00
```

Confirm:

☒ Yes

F4-Back F10-Done F9-Abort

Practical Applications

Receiving

Transfer
Put-Away

Production

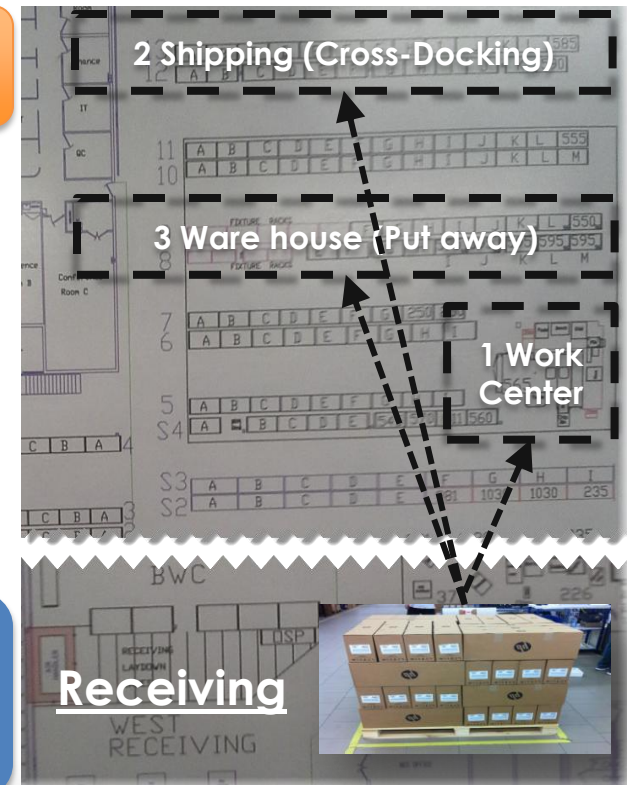
Inventory

Shipping

Inventory Transfer: Directed Put-Away

Put Away Transfer v4		
Putaway		
Item: 000194-000		
Desc: REBOUND BOLT SPACER		
Item Loc Zone: W1	Item Locations-614	
UM: EA		
Loc From: 10WHSE		
Qty: 300.0		
^Location To		
Loc	QOH	Qty Req
>10PB10A1	2,027.0	197.0
10wlv10	250.0	103.0
10W1D10	0.0	0.0
10W1I7	0.0	0.0

System will direct Material Handler to a particular zone or to work center or shipping dock if there are material requirements



Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Inventory Transfer: Directed Put-Away

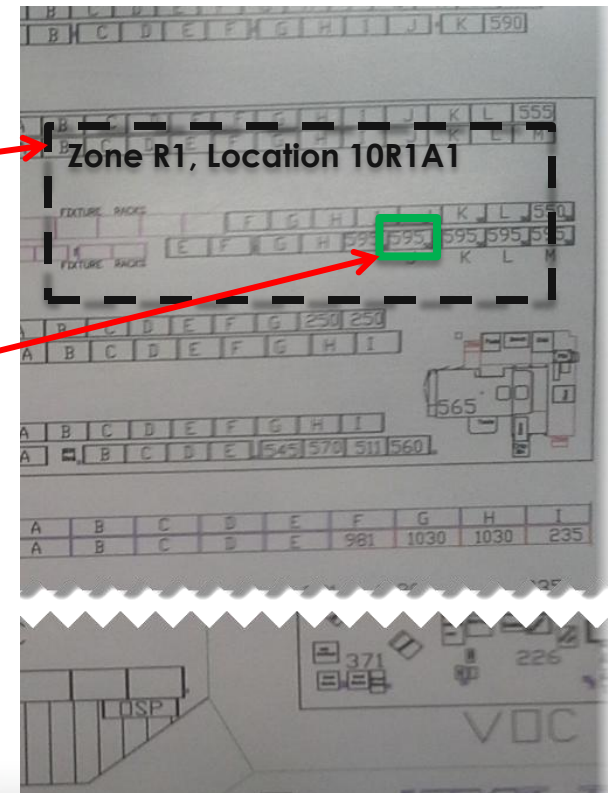
```
Put Away Transfer v3
Putaway
Item: 000003-000
Desc: SPRING HANGER ROLLER
Item Loc Zone: R1
UM: EA
Loc From: 10WHSE
Qty: 10.0

^Location To
```

```
Put Away Transfer v3
Item Locations
Loc QOH Created Loc
>10R1A1 7.0 07/18/15 R1
10R1A2 0.0 R1
10R1A3 0.0 R1
10R1A4 0.0 R1
10R1A5 0.0 R1
10R1A6 0.0 R1
10R1A7 0.0 R1

^Location To
```

Within a Zone, system will display QTY on hand so Material Handler can optimize space usage



Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Production Replenishment: WO Pick Transfer

Pick
Group

Work Center
1A10030

Work Center
1A10045

Replenish work center inventory with
production order component requirements

WO Bulk Pick Transfer v8

Item Pick

Item: 059830-001

WC Location: 1A10030

Req Qty: 548

Pick Loc: 10W2T4

Loc Qty: 51

Recommended
FIFO location

WO Bulk Pi

WO Itel

P Item Number

N nmpwoC

Y 030550-008

Y 059825-000

Y 022962-033

>N 059830-001

N 056935-001

N 029248-000

^Item Number

Item Locations

Loc	QOH	Created	Zon
>10W2T4	51.0	07/18/15	
10W6M3	34.0	07/18/15	
10W9I	170.0	07/18/15	

User can still select from
alternate locations

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Simple WO receipt: one step process

1. Enter WO number
2. Enter Employee
3. Enter quantity processed
4. Confirm
5. No label print

```
Rework WO Receipt
      WO Receipt
      WO ID: 82167
      Item: 0700015-a
      Qty Ord: 100,000.00
      Qty Open: 99,864.00
```

```
Quantity Processed
      0.00
```

```
F4-Back F10-Done F9-Abort
```

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Repetitive Backflush:

Step 1 Book Serial IDs, Print Labels

1. Enter Item, Site, Production Line
2. System will print labels for manufactured item based on Bill of Packaging
3. System will reserve serial numbers of packages and items

The screenshot shows the 'Pack Create by Production Line' window in the QAD system. The window has a title bar with a close button and a menu bar with 'Go To', 'Actions', 'Copy', 'Print', and 'Preview'. The main content area is divided into sections: 'Item Number: 02200' (with 'Motor As' on the right), 'Site: 10-200', 'BOM Code: 02200', 'Receipt Data' (with 'Lot/Serial: PR010110' and 'Reference:'), and 'Pack Data' (with 'Pack Code: BX02' and 'Carton' on the right). Below these, there are input fields for 'Number of Packs' (containing '10') and 'Pack Quantity' (containing '12.0'). A search icon is visible in the bottom right corner of the input fields.

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Repetitive Backflush:

Step 2 report backflush by LP#

1. Enter Employee, Production line, Item
2. Scan LP numbers
DC transaction will stay in the loop,
operator can scan next LP number
without leaving transaction

Adv Rep Bkf Mold

Employee: 12A
Prod Line: CELL01
Item Nbr: 0100025-A
Desc: FREESTYLE, LNC

^Pack Serial ID

F2-Look F4-Back F10-Done F9

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

EDL – Electronic Dispatch List (bolt-on)

Central console for manufacturing operations:

- 3 process flows integrated
- 15 integrated transactions
- DC transactions in .NET
- Label printing
- Production reporting
- Component requirements
- Serialized functions

Everything on one screen!

EDL Automation Solutions Coll... x

Actions Setup Cancel Add to Favorites

Search

ID starts at Search Clear All

Viewing 1 - 100 of 1411 Records per page: 100

ID	Parent Item	Work Order Status	Component Status	Quantity Open	Production Line	Primary Line	Routing Code	Description
2330153	02305	E	Projected Shortage	20.0	ASSY-01	ASSY-01	CVA-100	Backflush
2330174	02306	E	Projected Shortage	50.0	ASSY-01	ASSY-01	CVA-100	Backflush
2330175	02306	E	Projected Shortage	70.0	ASSY-01	ASSY-01	CVA-100	Backflush
2330196	53006	E	Projected Shortage	5.0	PLATE-01	PLATE-01	VBA-100	SubA Assembly / Weld

Production Order Component List Serial Master Browse EDL Pack Create - WO EDL Receipts EDL Label Print EDL Move Ticket Browse

Go To Actions Copy Print Preview

QAD Data Collection

Transaction Name: EDL Receipts Parent

Version: 2015.0001

ID: 23301531999

Site: 10-202

Device Type: RF40

Device ID: RF40

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Pack Management

Multiple DC transactions implemented:

- Pack build
- Pack remove
- Pack Qty remove
- Pack Qty build
- Pallet to pallet transfer
- Pack transfer
- Pack decommission
- Inquiries
- others

Pack Transfer

Serial ID: P000000055
Stage: active
Item: 0100025-A
Desc: FREESTYLE, LNC
Qty: 23.0
Lot/Ser: 151870401
From Loc: MOLDINSP

^To Location

F2-Look F4-Back F10-Done

F2-Look F4-Back F10-Done

F2-Look F4-Back F10-Done

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Inventory

Multiple DC transactions implemented:

- Inventory status change
- Inventory transfers
- Scrap
- Unplanned issues
- Unplanned receipts
- Cycle count
- Cycle recount
- Tag count entry
- Tag recount entry

“Smart” transactions (by Pack or by Quantity)

Loc Status Change

Location: A10
Item Nbr: 1100031-A
Desc: CareFine 6mm x
Lot/Ser: 5B608
QOH: 324.0

Exp Date:
01/31/2020

F4-Back F10-Done F9-Abort

F2-Look F4-Back F10-Done

F2-Look F4-Back F10-Done

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Shipping scenario 1: Step1 create pre-shipper

Create Pre-Shipper (7.9.1)

System will display information about number of pallets required based on “Bill of Packaging” for a given item, site and ship-to”

Ship To: 10C1003
Pacific Health Care Systems
600 Calle de Los Caminos

Los Angeles, CA 90212
USA - TAX PURPOSE

Sales Order: SAS10001 Order Date: 01/26/16 Ship To PO: W-897285
Ship Via: UTi

Print Date: 03/12/16

Pre-Shipper: P50312160001 Page: 1

SIMULATION
PICKLIST / PRE-SHIPPER

Ln	Item Number	Site T Location Ref	Lot/Serial Ref	Qty Open UM	Due Shipped
1	02210	10-200			
Revision: 2					
Motor Asm 6 Way Seat Adj					
24V 3 amp 1.hp					
			010	120.0 EA	02/17/16
				120.0 ()	

Pack Code	Number
PL02	3

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Shipping scenario 1: Step2 Pick for shipping

Variant 1: lean environment - pick direct from Production Line

- Scan LP#
- Select pre-shipper from the lookup
- Transfer to staging area

Variant 2: pick from the warehouse

- Scan/Enter pre-shipper number
- System will direct Material Handler to warehouse location where the item is being stored

```
Pre-Shipper Pick - LP
Serial
Pre-Ship: PS0312160001
Customer: Pacific Health Care Systems
Item: 02210
Order: SAS10001
Line: 1
Req Pick: 64.0
From Loc: WTS
Gross Wt: 320.00
```

```
^MP License Plate
10200A1512000000001
```

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Shipping scenario 1: Step3 partial and mixed

Pre-Shipper Pack-Item

Transaction allows to add to or remove item from the pallet

(can be executed as a stand alone transaction or integrated with a “pick” transaction)

```
Pre-Shipper Pack - Item
Child Serial
Pre-Ship: PS0312160001
Mp LicP: 10200B1512000000001
Item: 02210
Order: SAS10001
Line: 1
Req Pick: 48.0
Location: 010
```

ReScn Item

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Shipping scenario 1: Step 4, 5 & 6 - create shipper, labels, truck load

```
Pre-Shipper Convert To Shipper
PreShip ID: PS0312160001
  Ship To: 10C1003
Cust Name: Pacific Health Care Systems
Pend Pick: yes

Confirm
Yes
```

4) Convert pre-shipper
to a shipper

```
Shipper Labels
Shipper Print
Ship-From: 10-200
  Shipper: SH0312160001
Lbl Group: shpMpReprint

Print Label
YES
```

5) Print labels

```
Truck Load

Shipper: SH0307160002
Customer: 10C1000
  Name: Wal-Mart
Pallets: 1
Loaded: 1

^Serial ID
```

6) Truck Load

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Shipping scenario 1: Step 7 Shipper confirm

Confirm the Shipper

Print shipping paperwork

The screenshot shows the 'Pre-Shipper/Shipper Confirm' window in the QAD system. The window has a title bar with the text 'Pre-Shipper/Shipper Confirm' and a close button. Below the title bar is a menu bar with the following options: 'Go To', 'Actions', 'Copy', 'Print', 'Preview', and 'Attach'. The main content area contains the following fields and labels:

- Ship-From ID:** A text input field with a search icon.
- Pre-Shipper/Shipper:** A dropdown menu currently showing 'Pre-Shipper'.
- Number:** A text input field with a search icon.
- Ship-To/Dock:** A label with no associated input field.
- Ship Date:** A label with the value '3/12/2016'.
- Effective Date:** A label with the value '3/12/2016'.
- Document:** A label with no associated input field.

Practical Applications

Receiving

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Put-Away

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Shipping

Shipping Load Collection (Bolt-On)

Shipping Load Collection

Actions Setup Cancel Add to Favorites HSS.S-Lineup Modify-SCH Modify-DSO Run

Search (Due Date = 3/8/2016)

Due Date equals 3/8/2016 Search Clear All

Viewing 1 - 6 of 6 Records per page: 100

- Ship-To:10c1000 (4 items)

Type	Sort Name	Sales Order	Item Number	Line	Customer PO	Order Qty	Shipped Qty	Qty To Ship	Pend Qty Picked	LP Qty	Qty To Pick	Due Date
DSO	Wal-Mart	10S10057	roll d	1		1,000.00	0.00	1,000.00	0.00	0.00	1000.0	3/8/2016
DSO	Wal-Mart	10S10058	Roll A	1		2,000.00	0.00	2,000.00	0.00	0.00	2000.0	3/8/2016
DSO	Wal-Mart	10S10061	Widget_1	1		1.00	0.00	1.00	0.00	0.00	1.0	3/8/2016
DSO	Wal-Mart	10S10063	roll d	1		10.00	0.00	10.00	0.00	0.00	10.0	3/8/2016

- Ship-To:10c1001 (2 items)

Type	Sort Name	Sales Order	Item Number	Line	Customer PO	Order Qty	Shipped Qty	Qty To Ship	Pend Qty Picked	LP Qty	Qty To Pick	Due Date
DSO	MediLogic	10S10059	Roll C	1	P005371	2,200.00	0.00	2,200.00	0.00	2,200.00	0.0	3/8/2016
DSO	MediLogic	10S10060	Roll B	1	P00437	10.00	0.00	10.00	0.00	0.00	10.0	3/8/2016

Displays orders to ship, open quantities, shipped quantities, quantities to be picked, pending picking, being picked and to be packed

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Shipping Load Collection (Bolt-On)

Type	Sort Name	Sales Order	Item Number	Line	Customer PO	Order Qty	Shipped Qty	Qty To Ship	Pend Qty Picked	LP Qty	Qty To Pick	Due Date
DSO	Wal-Mart	10S10057	roll d	1		1,000.00	0.00	1,000.00	0.00	0.00	1000.0	3/8/2016
DSO	Wal-Mart	10S10058	Roll A	1		2,000.00	0.00	2,000.00	2,000.00	0.00	0.0	3/8/2016
DSO	Wal-Mart	10S10061	Widget_1	1		1.00	0.00	1.00	0.00	0.00	1.0	3/8/2016
DSO	Wal-Mart	10S10063	roll d	1		10.00	0.00	10.00	0.00	0.00	10.0	3/8/2016
- Ship-To:10C1001 (2 items)												
DSO	MediLogic	10S10059	Roll C	1	P005371	2,200.00	0.00	2,200.00	0.00	2,200.00	0.0	3/8/2016
DSO	MediLogic	10S10060	Roll B	1	P00437	10.00	0.00	10.00	0.00	0.00	10.0	3/8/2016

Example: after picklist run: Pending Qty Picked has increased.
License Plate Qty equals: item still needs to be put on Pallet

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

Picklist/Pre-Shipper Workbench (Bolt-On)

Picklist / Pre-shipper WorkBench

Go To Actions Copy Print Preview Attach

Site: 092201

Due Date: To: 2/3/2016

Sales Order: To: 150672

Ship-To: 150672

Item Number: To:

Reference: To:

Ship Via: To:

Ship-from: To:

Truck Down: ☐

Stage Open Qty: ☒

Display Linked Orders: ☐

Select All: ☐

Display By Item/Ship-To: Ship-To

Bulk Transfer: ☐

Pickup Date: 2/2/2016

Update: ☐

Picklist / Pre-shipper WorkBench

Go To Actions Copy Print Preview Attach

Ship-To: 152030 - Fordl Gross Weight: 0

Order	Ln	Item	Open	Pick	Due	Lnk	Weight	Avail	Sel
CS152030	11	1875996-5B8	936	35	1/16/2016		0.0	1000	Yes
CS152030	11	1875996-5B8	81	81	1/18/2016		0.0	1000	no
CS152030	11	1875996-5B8	20	20	1/19/2016		0.0	1000	no
CS152030	11	1875996-5B8	57	57	1/20/2016		0.0	1000	no
CS152030	11	1875996-5B8	231	231	1/21/2016		0.0	1000	no
CS152030	11	1875996-5B8	34	34	1/22/2016		0.0	1000	no
CS152030	11	1875996-5B8	28	28	1/25/2016		0.0	1000	no
CS152030	11	1875996-5B8	49	49	1/26/2016		0.0	1000	no
CS152030	11	1875996-5B8	193	193	1/27/2016		0.0	1000	no
CS152030	11	1875996-5B8	69	69	1/28/2016		0.0	1000	no
CS152030	11	1875996-5B8	136	136	1/29/2016		0.0	1000	no

Allows to select for picking one item across multiple orders

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

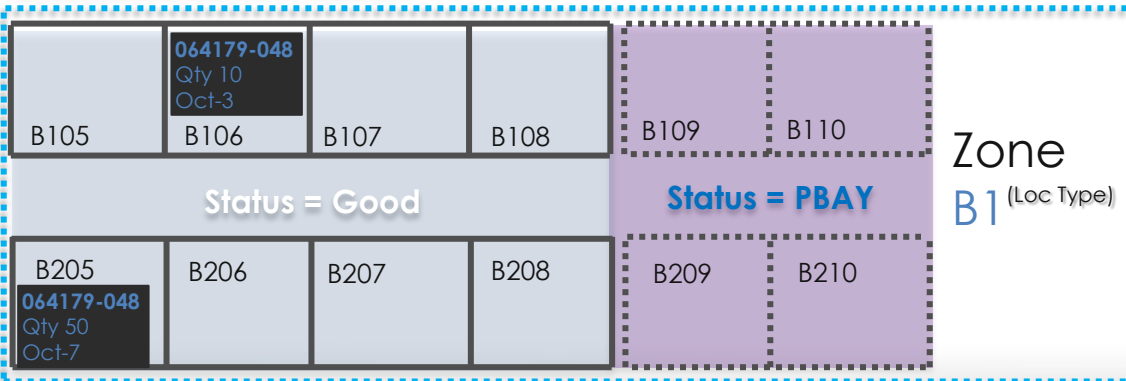
SO Bulk Transfer 1/3 (Bolt-On)



Pull/Stage single item for multiple SO

Package/label to specifying customer order

Return unused items using a put-away rules



```
SO Bulk Pick Transfer v8
Items to Bulk Pick
PK Pick_Loc Item Pick_Req P
>N B106 048648-074 1
N B208 064179-048 20
^Item Number
```

Packing Bay

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

SO Bulk Transfer 2/3 (Bolt-On)



Pull/Stage single item for multiple SO

Package/label to specifying customer order

Return unused items using a put-away rules

```
SO Bulk Pick Transfer v8
Item Pick
Pick Zone: B1
Item: 048648-074
Desc: COMAIR FRAME MTG. KIT
Req Qty2: 1
Pick Loc: b106
Pick Avail: 1
```

B105	<div>064179-048 Qty 10 Oct-3</div>	B107	B108	B109	B110	Zone B1 (Loc Type)
Status = Good				Status = PBAY		
B205	<div>064179-048 Qty 50 Oct-7</div>	B206	B207	B208	B209	

^Location From

Packing Bay

Practical Applications

Receiving

Transfer
Put-Away

Production

Inventory

Shipping

SO Bulk Transfer 3/3 (Bolt-On)

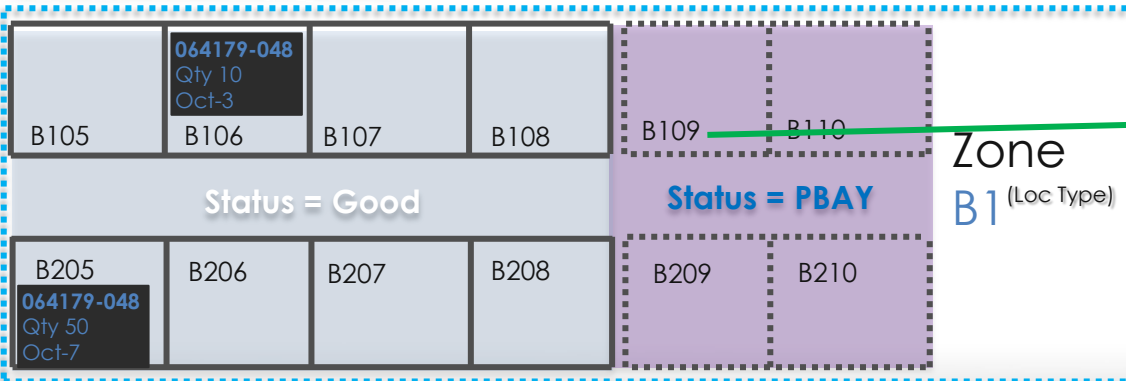


Pull/Stage single item for multiple SO

Package/label to specifying customer order

Return unused items using a put-away rules

```
SO Bulk Pick Transfer v8
      Item Pick
Pick Zone: B1
Item: 048648-074
Desc: COMAIR FRAME MTG. KIT
Req Qty2: 1
Pick Loc: b106
Pick Avail: 1
Loc From: b106
Picked: 5
```



Location To

Packing Bay

Summary of Benefits

QAD Automation Solutions

Configurable Screens
& API

Organized Data Structure
(no overuse of gen-codes)

Linked Transactions

Customer Training / IT
Manageable

Extended Label Options

Easier Upgrades

Integration with Serialization
& EAM

Different UI Types

Summary of Benefits

Why QAD

Strategic QAD Direction

Direct Access to R&D

Diversity of Experience (not
only Data Collection)

Direct Access to Support

Single Partner

True Global Presence

Consistent Implementation
Methodology (EOB)

Transaction Library

Solution Summary

Data Collection Toolset



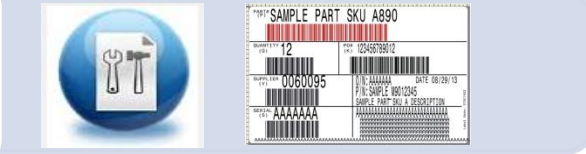
- Core product solution
- Tool set to build transactions using library components
- Configured barcode scan, fields, transaction flow, validation

Transaction Processing



- Integrated error handling/ validation / record locking management
- Core ERP security/ access

Label Printing



- Data driven framework – integrated with DC/QAD Core
- Point of print control
- User friendly label format/ printer routing and monitoring

Serialization & License Plating



- DC transactions built using new packaging, license plating, serialization transactions

Extends



- Extends capabilities of core ERP
- Data Collection for EAM transactions

For More Information

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