



# RF/BAR and RF/ID:

*Simplifying Software, Inc*

## Bar-Code & RFID Data Collection Solutions





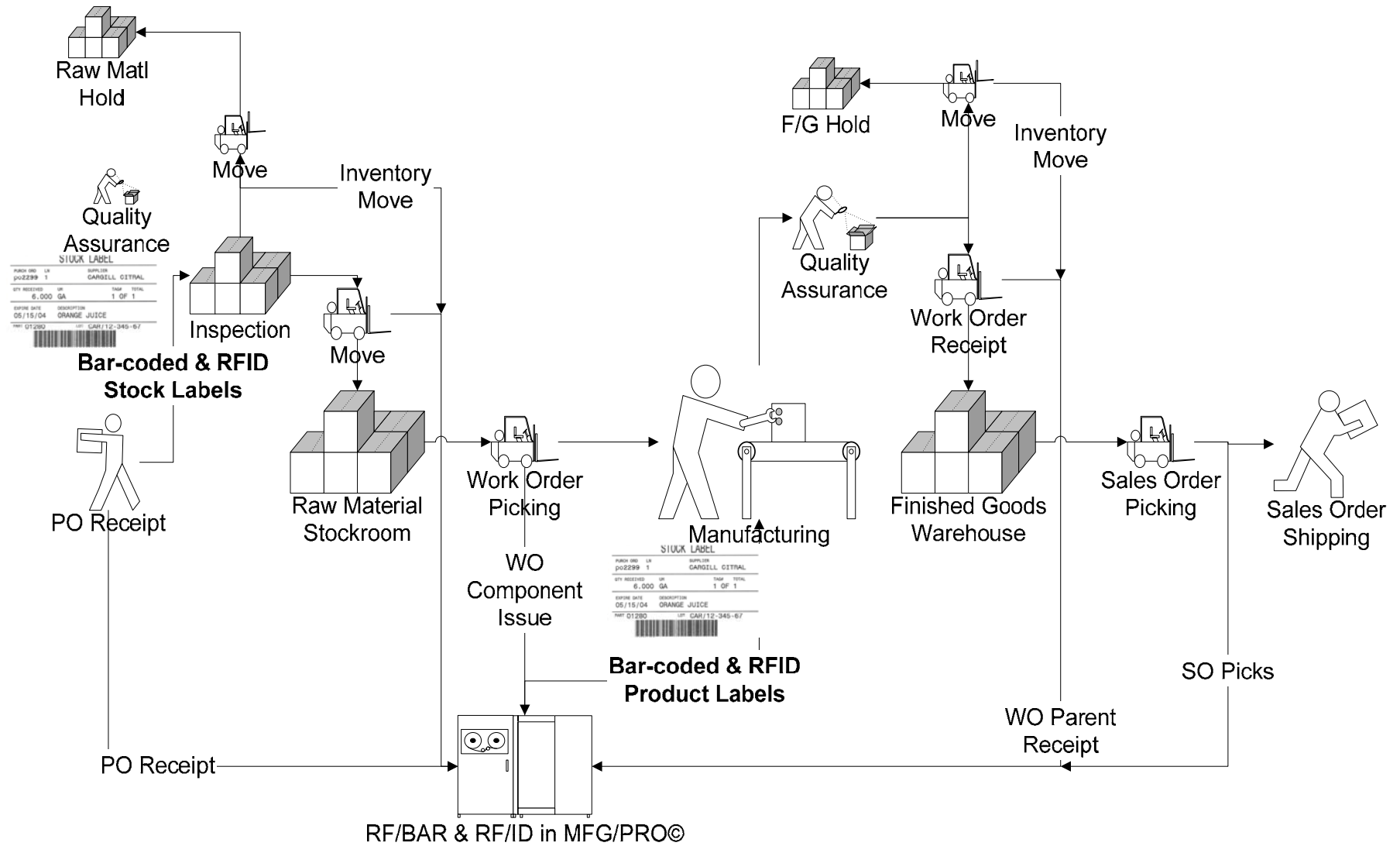
# RF/BAR Software Modules

1. PO Receipts & Bar-Coded Labels.
2. Inventory Moves.
3. WIP Moves.
4. Work Order Issues/Receipts.
5. Repetitive Backflush/Receipts.
6. Sales Order Picks.
7. Sales Order Shippers (No Allocations).
8. Cycle Count & Physical Inventory.
9. Bar-Coded Product Labels.

. . . and **Many More!**



# Simplifying Software, Inc.'s RF/BAR™ & RF/ID™ Value Stream



RF/BAR & RF/ID in MFG/PRO©

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# RF/BAR Module: PO Receipt

```
RF/BAR PO RECPT
PO: P010076 Pr 01
PKSLP: SDW-01234
LN: 7 DWG00752
QTYOPEN UM
      73.000 EA
RC:      73.00 BG 20
PS:      73.00
LOC/SUPL0T/QTY/#LBLS
RI      SDW24-0207
      73.00 4

Update Receipt?
Yes
```

## QAD [5.13.1]:

Receives Purchase Order receipts into inventory, and prints bar-coded labels for each container of received items. Can use Compliance.

- Receive PO Line Items by Line# (by lot-serial or not), allowing multiple lot/serials.
- Print Receiver [5.13.2], including lot-serial labeled-container details.
- Print bar-coded & RFID labels on Zebra & Intermec bar-code label printers/RFID encoders.





# RF/BAR Module: Stockroom Item Move

```
RF/BAR INVEN MOVE
DWG00752 R10255
EA
Strain Relief Tube
Qty:      1000.00000
FrLoc: RI
FrLS: R10255
FrTy:
Avail:    10000.00000
ToLoc: CER04F
ToLS R10255
ToTy:
```

## QAD [3.4.1]:

Transfers items between inventory locations, handling lot/serial item transfers and validating for duplicate lot/serials.

- Read bar-coded Item Labels that convey Part + Lot/or Serial (if required).
- Read Inventory Location bar-coded Location Labels (From & To Locations).





# RF/BAR Module: Cycle Count Entry

```
RF/BAR Cycle Count
DWG00752 R10255
Loc: RI
Lot: R10255
Cnt: 9000.000000
UM : EA
Rmk: 1 open bag
```

## [QAD 3.14]:

Displays selected cycle counts to enter, or utilizes standard cycle count worksheet [3.13], and then provides for entry of count result.

- Scan Item Label (= Part# + Lot/Serial).
- Scan Location Label.
- Enter Count, UM, plus any Remarks.





# RF/BAR Module: Production Reporting

```
Report Production
WO: 466
WC: press 2
PN:
dp38dpu-zz-5
Shift:          1
Techno Zinc Stud SM
Loc: staging

Gd:      200.00
NP:      0.00
Sc:      3.00
```

## QAD [16.19]:

Provides for entry of production, including quantity completed and scrapped, reporting shift, and elapsed run time.

- Enter Work Order number.
- Scan Work Center, choosing Operation from routing.
- Scan Parent Part + Lot Serial.
- Enter Shift (calculated by time of day).
- Enter Receiving Location.
- Enter Good, Non-conforming, and Scrap quantities.





# RF/BAR Module: Sales Order Shipper

```
SO Pick
SO 14133064 L 2
Partial OK yes
w599wen-sa-b
457 x 57mm (18 x 2.2
topick:      23.00
picked:      0.00
Loc/Qty
```

```
BOL
SHPR
CARRIER
```

## QAD [7.9.22]:

Performs building of a Sales Order Shipper without requiring Allocations.

- Scan SO Number/Line from our non-allocating SO Picklist.
- Scan Item + Lot/Serial Bar-Coded Label.
- Validate SO Line matches Item.
- Enter Quantity Picked.
- Enter/Scan BOL, Shipper, & Carrier.







# RF/ID Module: Furniture Receipt & Put-Away

```
RF/ID CHINA RECEIPT  
ID: 3B777435BTW9812  
  
UPC: 7 23086 05860 3  
ITEM: OB2428  
FIN: OAK  
OB BKCS 24X28X10 W/  
1 ADJ SHELF  
  
FROM: CHINAINT  
TO: 200-A30W  
OR: 200-A55W
```

RFID Reader on Forklift auto-reads Tag & "FROM" location, as illustrated here.



- Pick up Item with Forklift.
- Move Item with Forklift to put-away location. (RFID Reader on Forklift auto-reads "TO" location.)
- Operator does his job, RFID does the rest – automatically!





# Our Products Stand Out, because . . .

1. We improve the full range of manufacturing activities – Inventory, Production, QA, Shipping.
2. Our software is fine-tuned to your specific needs and Business Rules.
3. We guarantee Support Response within 2 Hours, under our Annual Maintenance Plan.
4. We provide High Quality at Low Cost.





# RF/BAR Testimonials

- **Amtico Flooring, Atlanta, GA** – “RF/BAR is tuned for our unique Flooring Products kitting practices.”
- **Cott Concentrates, Columbus, GA** – “RF/BAR helps keep our beverage concentrate manufacturing running smoothly and accurately.”
- **Acclarent, Menlo Park, CA** – “RF/BAR fits our QAD Compliance Module requirements.”
- **Cytec, Boston, MA** – “Simplifying provides Innovative software that ties our customer schedules to our material replenishments.”





# Why You Should Buy RF/BAR for Data Accuracy

- At least 15 times more accurate than manual entry.
- Expandable (add more modules independently).
- Reliable (all entered data validated, including quantity).
- Cost-Effective (ROI in less than 2 years).
- Continuous Improvement (we help you, always).
- User-Friendly (excellent documentation).
- Upgradeable (QAD upgrades included in Annual Maintenance).
- Custom-Fit to your specific data-collection processes.
- Future-Ready, leading the way into RFID.





# Bar-Coding and/or RFID: What's Right for You?

	<b>RADIO FREQUENCY ID (RFID)</b>	<b>BAR-CODE ID (RF/BAR)</b>
<b>Labeling</b>	RFID Label uniquely identifies Item(s).	Bar-Code Label uniquely identifies Item.
<b>Communications</b>	RFID labels are radio frequency transmitters	Bar-code labels must be intentionally scanned.
<b>Reading Mobility</b>	RFID Readers are larger than a bar-code gun	Small handgun-sized bar-code reader.
<b>Visibility</b>	RFID labels need only be in range of a reader	Bar-code readers must scan the desired label.
<b>Info Content</b>	RFID labels can hold megabytes of information.	Bar-code labels are limited to about 20 characters.
<b>Writeable Label</b>	Information can be continually added to.	Bar-coded labels are fixed in content.
<b>Reading range</b>	About 50 feet, depending upon tag-type & materials.	About 12 feet (for High Resolution guns).
<b>Standards</b>	Dynamic, fast-changing: multiple standards evolving.	Stable, well-defined standards.





# Cost/Benefit: Typical RF/BAR Configuration

## **Cost** of 8-user-license RF/BAR: ~\$45,000

- \$25,000 RF/BAR Software, Implementation, Training, & Documentation
- \$15,000 RF/BAR Hardware:
  - 6 RF Guns (AML M7100)
  - 2 Label Printers (Intermec, Zebra)
- \$5,000/Yr Ongoing Support (= 20% Software Cost)

## **Benefit** of improving accuracy from 95% (with manual data entry) to 99.7% (with RF/BAR): ~\$30,000/year

- Doing 500 error-free transactions per day eliminates approximately 25 trouble-shooting error corrections. At ¼ hour each, that amounts to 6 hours per day of an inventory analyst's time, at \$40k annual salary.
- Add to this the many intangible benefits derived from real-time, point-of-use reporting.





## We Understand the Importance of Inventory and WIP Accuracy!

1. Our consultants lead you to Continuous Improvement of data collection accuracy.
2. We are experienced, QAD-Certified MFG/PRO Professionals.
3. We support RF/BAR & RF/ID with 2-hour response time, **always**.
4. We are 100% focused on MFG/PRO, since 1993.





# For More Information . . .

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