

MAX Purchase Receipt Labeling

Automate receiving and labeling of incoming goods

Suppliers can place labels with information on products. The information on the label can also be printed in barcode format (1D or preferable 2D) so that it can easily be processed by scanning the barcodes. The barcode information on the label should at least contain the MAX purchase Order number and the Part Number or Manufacturer number to identify Purchase order in MAX.

Additional barcode information can also be collected from the receiving material and stored in the MAX Lot Notes field, for example: Production Date, Country of Origin, Manufacturer Lot/Serial number, ...

This can be useful for production of where a high degrees of traceability is required, for example with the production of medical equipment.

By scanning each receiving item separately and labeling it with an internal label with a MAX Part and lot number, an item can be uniquely identified in MAX. The advantage of scanning each item separately is also to avoid that the wrong label is placed on the wrong received material (Example: rolls with SMD components) which results in wrong parts used in production. With the MAX Purchase Receipt Labeling each receiving material (SMD roll) is scanned separately, receipt is directly processed in MAX and the label for the receive material (SMD roll) is printed and can be placed on the received material (SMD roll), this way you can eliminate the swapping of labels on the wrong received goods (SMD rolls).

The screenshot displays the 'Purchase Receipt' window in the MAX software. The left pane contains a form with the following fields:

- Stock ID: SB010101
- Zone: [Empty]
- Vendor ID: V100
- Order Number: 700456530101
- Part Number: 057473
- Description 1: Metal, SST Sht Stock(LOT)
- Description 2: TETS
- Commodity Code: COMP-PUR
- Part Notes: Check roller on damaged SMD
- Mfg's Part Number: AP6-P3
- Manufacturer: VISHAY
- Quantity: 5000
- Lot Number: 057473-1041470122-01
- Expiration Date: 3 / 10 / 2023
- Lot Notes: Manufacturer Lot Number: R1836E1920, Production Date: 201836, Manufacturer Serial Number: R1836E1920158, Maximum Allowed Temperature: 'Y', Country of Origin: VN

The right pane shows a printed label for 'ECOMAL RoHS' with the following information:

- 1908796 29686744 Q0005000 D17082018
- Q0005000
- LA3810R0FCS
- P057473
- CRCW060310R0FKTABC CRCW0603-BC 100 10R0 1%
- K70045653

Below the label is the 'VISHAY INTERTECHNOLOGY INC.' section with the following details:

- Customer PN: A38220KFCS
- Customer PO: 1135480
- Manufacturer PN: CRCW0603220KFKTABC
- Quantity: 5000
- Date Code: 201836
- Lot No: R1836E1920
- Serial No: R1836E1920158

Red boxes and numbers '1' and '2' highlight the barcode on the label and the QR code on the label, respectively.

Both "Keyboard wedge" scanners and "Serial Communication" scanners can be used.

After scanning, receiving and labeling the incoming goods can be placed in a temporary location (box) and transferred to the warehouse. In the warehouse the goods are transferred from the temporary location (box) to a fixed location in the warehouse

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Multiple labels for on receipt can be printed directly in the Purchase Receipt window by increasing the Nr of Copies. Or the Labels window can be used to generate multiple lot numbers with different quantities for each label.

Transaction	Total	Difference
	10000	10000
		0

	Lot Number	Quantity	Inventory
1	057473-1328080362-01	5000.00	
2	057473-1328080362-02	5000.00	
3			

Purchase Receipt Preferences

In the preferences window of the Purchase Receipt additional options are available. With the Process Auto option marked scanning the barcode on the received material the Purchase Receipt is directly processed and a label is printed, the Process button in Purchase Receipt window does not have to be clicked to process a Purchase Receipt. When the Scan Part Number and Mfg's Part Number is marked the Part Number and Mfg's Part Number field must be scanned to verify the correct goods are receipt and labeled.

Barcode Data Identifiers

In the Barcode Data Identifiers setup you can specify the barcode prefixes used by MAX Purchase Receipt Labeling.

There is a standard for barcode prefixes “Code-Syntax according to ISO/IEC 15434, Data Identifier according to ANSI MH10.8.2”, the standard is specified in document:

www.eurodatacouncil.org/images/documents/ANS_MH10.8.2%20_CM_20140512.pdf

Barcode Data Identifiers can be linked to a MAX field which should be use in the Purchase Receipt.

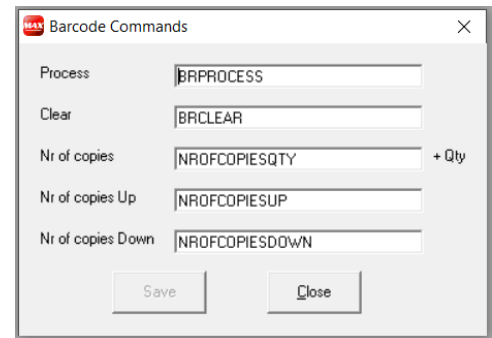
Data ID	Field Label	Field Name	Description
1	11PY	Manufacturer Part Nu	MPNNUM
2	10V	Country of Origin	Country of Origin, two-character ISO 3166 country code
3	11D	Production Date	Date in Format YYYYWW
4	11P	Part Number	MPNNUM
5	11T	Manufacturer Lot Nur	Traceability Number assigned by the Supplier to identify/trace a unique group of entities (e.g., lot, batch, heat)
6	2E	Maximum Allowed Te	Maximum Allowed Temperature
7	4K	Line Number	LINNUM
8	4L	Country of Origin	Country of Origin, two-character ISO 3166 country code
9	D	Production Date	Format YYMMDD
10	K	Order Number	ORDER
11	P	Part Number	PRTNUM
12	Q	Transaction Quantity	TNXQTY
13	S	Manufacturer Serial N	Serial number or code assigned by the Supplier to an entity for its lifetime, (e.g., computer serial number, traceability number, contract tool identification)
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Barcodes which are identified by a prefix and are not linked to a MAX field are added to the Lot Notes of a Purchase Receipt for reference.

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Barcode Commands

Instead of clicking a button on the screen to perform an action you can also scan a specific barcode. In this window you can setup the barcodes which correspond with an action.

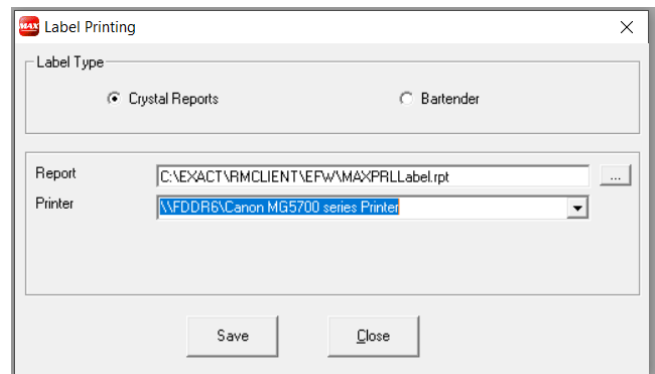


Scan Instructions

Because every supplier and/or manufacturer uses different format of labels you can specify for the operator which barcodes on the labels should be scanned and in which order. Scan instructions can be made for a Vendor or combination of Vendor and Manufacturer.

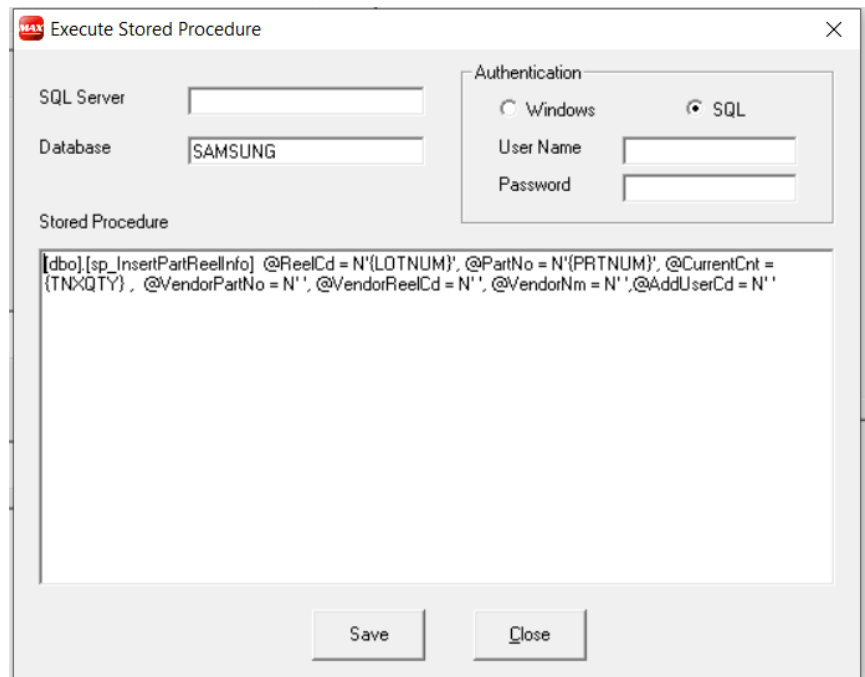
Label Printing

After a processing a Purchase Receipt a labels is printed to place on the received goods. Labels can be printed with Crystal Reports or BarTender.



Execute Stored Procedure

After a Purchase Receipt transaction is processed (before printing the label) a SQL Stored Procedure can be called, for example to update the inventory in a SMD line.



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