

# BATCHMASTER® ERP 18.2

## User Guide

BatchMaster ERP with SAP Business One  
BatchMaster Solutions for  
Process Manufacturers

### Inventory Counting





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# 1 Inventory Counting Transaction

From BMM SAP 63.57.69 version onwards, BatchMaster ERP supports SAP inventory counting with BMM. The SAP Standard Inventory Counting transaction is now enhanced to support BMM Lot status, LPN and container information. You can now post the inventory count on the basis of item lot status, LPN number and Container Number. The following enhancements are made on the SAP *Inventory Counting Transaction* screen.

- *Export Excel Template* and *Import Excel* (Validate Excel Only, Validate & Import Excel) buttons are added on the screen.

The following constraints will be observed on the screen

- *Counted Quantity* field is now disabled in the Item Grid.
- *Copy In-Whse Qty on Count Date* field will be disabled.

## 1.1 Prerequisites

- All Warehouses must be Bin Enabled
- Ensure that Enable Transaction Notification is on in Company General Settings.
- Please make sure the SAP SBO\_SP\_TransactionNotification contains the below code:

### **In case of SQL Server:**

```
if @object_type='1470000065' AND (@transaction_type='A' or
@transaction_type='U')
EXEC BMM_INVCOUNTINSERTDATAINTOTEMPTABLE
@list_of_cols_val_tab_del,@object_type ,@transaction_type ,
@error OUTPUT ,@error_message OUTPUT
if @object_type='10000071' AND @transaction_type='A'
EXEC BMM_INVPOSTING @list_of_cols_val_tab_del,@object_type
,@transaction_type , @error OUTPUT, @error_message OUTPUT
```

### **In Case of HANA Server:**

```
if :object_type='1470000065' AND (:transaction_type='A' or
:transaction_type='U') then
CALL "BMM_INVCOUNTINSERTDATAINTOTEMPTABLE"
(:list_of_cols_val_tab_del,:object_type ,:transaction_type ,
:error , :error_message);
end if;
if :object_type='10000071' AND :transaction_type='A'
then
CALL BMM_INVPOSTING
(:list_of_cols_val_tab_del,:object_type ,:transaction_type ,
:error , :error_message);
end if;
```



## 1.2 Data Validation

Following is a list of validations applicable for SAP Inventory Counting with BMM.

### Item Validation

<ul style="list-style-type: none"><li>• Item Code Cannot be Blank</li></ul>
<ul style="list-style-type: none"><li>• Invalid Item Code</li></ul>
<ul style="list-style-type: none"><li>• Item is not an Inventory Item</li></ul>
<ul style="list-style-type: none"><li>• Item is Inactive</li></ul>
<ul style="list-style-type: none"><li>• Item Description is Invalid</li></ul>

### Warehouse Validations

<ul style="list-style-type: none"><li>• Warehouse cannot be Blank</li></ul>
<ul style="list-style-type: none"><li>• Invalid Warehouse</li></ul>
<ul style="list-style-type: none"><li>• Warehouse is Inactive</li></ul>
<ul style="list-style-type: none"><li>• Warehouse is DropShip Warehouse</li></ul>
<ul style="list-style-type: none"><li>• Bin is not enabled at Warehouse</li></ul>

### Lot/Serial Validations

<ul style="list-style-type: none"><li>• Lot No. cannot be blank, Item is Lot/Serial tracked</li></ul>
<ul style="list-style-type: none"><li>• Lot No. must be blank, item is non tracked</li></ul>

### Bin Validations

<ul style="list-style-type: none"><li>• Bin cannot be Blank</li></ul>
<ul style="list-style-type: none"><li>• Invalid Bin</li></ul>
<ul style="list-style-type: none"><li>• Bin is disabled</li></ul>
<ul style="list-style-type: none"><li>• BinCode does not belongs to the warehouse</li></ul>

### Lot Status Validations

<ul style="list-style-type: none"><li>• Lot Status cannot be blank</li></ul>
<ul style="list-style-type: none"><li>• Invalid Lot Status</li></ul>

### LPN Validation

<ul style="list-style-type: none"><li>• LPN must be placed at one Bin</li></ul>
---

### Container Validations

<ul style="list-style-type: none"><li>• Container Must be Valid Integer No.</li></ul>
---



## UOM Validations

- UOM Code cannot be blank
- UOM Code does not belongs to SAP UOM

## Serial tracked Item Serial No Validation

- Serial Track Item must have quantity 0 or 1

## Quantity Validation

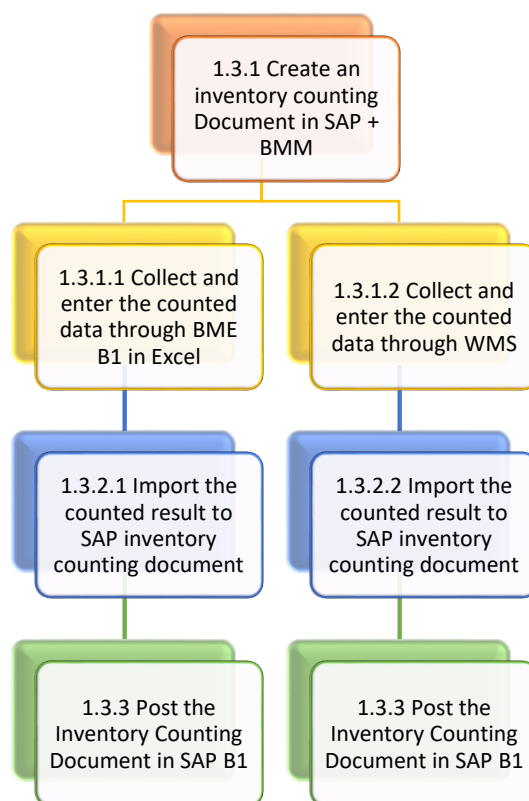
- Quantity must be more than or equal to 0

## Date Validation

- Date must be in YYYYMMdd Format

## 1.3 Performing Inventory Counting with SAP and BMM

The following figure illustrate the Process flow of creating and posting the Inventory Counting document





### 1.3.1 Creating Inventory counting document with SAP and BME B1

1. Open the Inventory Counting Screen.

Go To: Inventory → Inventory Transactions → Inventory Counting Transactions → Inventory Counting

Inventory Counting

Count Date: 25/11/19 Time: 2:22PM No.: Primary 10  
Counting Type: Single Counter Status: Open  
Inventory Counter: User manager Ref. 2

General

Find Item No. Warehouses << >>

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM Counted Qty	Counted Qty	V...
1			<input type="checkbox"/>			0.000	<input type="checkbox"/>		0.000	

Remarks

BatchMaster Options

Add Cancel Add Items Adjust Counted Quantities Copy to Inventory Posting





3. On the *Inventory Counting-Items Selection Criteria* screen, add a range of items to be counted. When selecting the item/item range you can use the *Exclude Warehouses for Items with Zero Quantity*.

**Inventory Counting - Items Selection Criteria**

**Items**

Code From  To

Preferred Vendor From  To

Item Group

**Warehouses**

	Location	Whse Code	Whse Name
<input type="checkbox"/>	▼		
<input checked="" type="checkbox"/>		⇒ 01	General Warehouse-01
<input type="checkbox"/>		⇒ 02	General Warehouse
<input type="checkbox"/>		⇒ 03	General Warehouse
<input type="checkbox"/>		⇒ 04	General Warehouse
<input type="checkbox"/>		⇒ 05	ga

Exclude Warehouses for Items with Zero Quantity



- The selected item/range of items, falling within the specified filter criteria, is added to the *Inventory Counting* screen grid.

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM	Counted Qty	Counted Qty
1	⇒ Sberrypulp	Sberrypulp	<input type="checkbox"/>	⇒ 01	⇒ 01-002	1.750	<input type="checkbox"/>			0.00
2	⇒ sberrysyrup	sberrysyrup	<input type="checkbox"/>	⇒ 01	⇒ 01-SYSTEM	2,963.999	<input type="checkbox"/>			0.00
3			<input type="checkbox"/>			0.000	<input type="checkbox"/>			0.00
						2,965.749				

- You can add individual items directly in the document grid.
- Click the *Update* button. This prepares the base document for inventory counting.



### 1.3.1.1 Inventory Counting through BME B1

1. On the Inventory Counting Screen, click on the *Export Excel Template* button.

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM	Counted Qty	Counted Qty
1	Sberrypulp	Sberrypulp	<input type="checkbox"/>	01	01-002	1.750	<input type="checkbox"/>			0.00
2	sberrysyrup	sberrysyrup	<input type="checkbox"/>	01	01-SYSTEM	2,963.999	<input type="checkbox"/>			0.00
3			<input type="checkbox"/>			0.000	<input type="checkbox"/>			0.00
						2,965.749				

2. This *Export Excel Template* screen appears.

Choose Folder to Save the File: C:\Users\amitaj\Desktop

Exclude 0 onHand Serial/Lots

Order By

Item-Bin

Bin-Item

Export Cancel

**On the screen, specify the following details:**

**Choose Folder to Save the File:** Using the *Browse* button, specify the folder to save the generated Excel file in.



**Exclude 0 onHand Serial/Lots:** Using it, you can ignore serial/lots of the item with zero onhand quantity.

**Order By:** Choose the required *Order By* option to sort and fill the Item details in the Excel sheet.

- a. **Item-Bin:** Indicates that the sorting will be performed by item. All items will be filled in ascending order of their code, within one item all its bins in ascending order.
  - b. **Bin-Item:** This option indicates that sorting will be performed by bin. The Excel sheet will be filled with bin numbers in ascending order, within one bin with items in ascending order.
3. Click on the *Export* button. This will generate an excel workbook containing SAP inventory details with some additional fields from BMM such as *LPN, Lot Status, Container Number*.
  4. The Excel file is generated with the name ***PhysicalCount-DocNo(<DocNo>-mmddyyyy hhmms.xlsx***, on the specified path.
  5. Open the Excel File. Here you can see two different worksheets, named as *PhysicalCount* and *PhysicalCountLF*. Open the *PhysicalCount* worksheet and enter the counted quantity of the item lots on the basis of their Lot status, Container No and LPN number.

1	ItemCode	ItemDesc	WhsCode	LotNo	BinCode	LotStatus	LPN	ContainerNo	ExpiryDate	InDate	QtyOnHand	InvUom	QtyCounted	UomCode	ErrorDesc
3	Sberry_pulp	Sberry_pulp	01	B1	01-002	ALL			0	20180810	1.75	KG	2		Manual
4	sberry_syrup	sberry_syrup	01	b	01-SYSTEM-BIN-LOCATION	ALL			0	20190731	100	LT	103		Manual
5	sberry_syrup	sberry_syrup	01	b88	01-SYSTEM-BIN-LOCATION	ALL			0	20190507	463.999	LT	449.28		Manual
6	sberry_syrup	sberry_syrup	01	Bat001	01-SYSTEM-BIN-LOCATION	ALL			0	20190528	400	LT	390		Manual
7	sberry_syrup	sberry_syrup	01	BN01	01-SYSTEM-BIN-LOCATION	ALL			0	20190801	1000	LT	1001		Manual
8	sberry_syrup	sberry_syrup	01	L001	01-SYSTEM-BIN-LOCATION	ALL			0	20190528	1000	LT	998		Manual

6. In the *PhysicalCountLF* worksheet you can maintain details of those inventory items which are not there in the Excel sheet or not there in stock but are found during counting.
7. Click the *Save* button to save information updated in the Excel worksheets.



### 1.3.1.2 Inventory Counting through WMS

1. Specify the inventory counting document number.

Inventory Counting	
Document No	8
Warehouse	01
Creation Date	07-17-18
User Code	manager



If you selected the *Show Assigned User on Inventory Counting* checkbox on the *WMS Defaults* screen, then you can view only the *SAP Inventory Counting Documents* created for the Logged in User.



2. Search and select the item warehouse.
3. Tap the *Next* button.
4. Enter the bin number, lot number, item code, Lot status and LPN in their respective fields. The quantity on-hand is auto-populated.

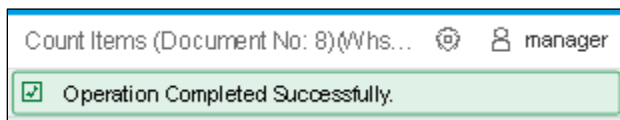
Field	Value
Bin No.	01-SYSTEM-BIN-LOCATION
Lot/Serial	L76
Item Code	RM005
Item Name	RM005
Exp Date	09-21-18
Qty OnHand	66.000 KG
Qty Counted	0.000 KG
Lot Status	ALL
LPN#	



WMS lets you dynamically add an inventory item if not added in the inventory counting document, created in SAP B1. Also, when entering the counting result if you find a new Serial/Lot of the item, you can add the lot and enter the actual quantity available in it.



5. Enter the actual count found of the item in the *Qty. Counted* field.
6. Tap *Save* to update the record. A message is displayed as shown below



7. Similarly, you can add/update the inventory counting of all the required item serial/lot.
8. Using the View Lines button you can see the inventory counting data already being added.

Counting Data		
Item Code	Bin No.	Line Type
sberry	01-STAGE	

**OK**

9. The counted inventory data will be saved in a WMS table and will be available to import to the Inventory counting document.



## 1.3.2 Importing the Counted result to SAP Inventory Counting Document

### 1.3.2.1 Import from BMM

1. On the Inventory Counting Document screen, using the Import Excel (Validate Excel Only, Validate and Import Excel) options, import the data updated in the Excel worksheet to the SAP inventory Counting document. You can perform this action in any of the following ways.
  - a. **Validate Excel Only:** Using this option you can validate the Excel worksheet. If any error is found during record validation the system enters the description of the error in the *ErrorDesc* column. You can rectify errors and import the data using the *Validate and Import Excel* option.
  - b. **Validate and Import Excel:** Using this option you can validate and import the Excel data into the Inventory Counting document. Again, if the system finds any error during the validation process then the *ErrorDesc* column is updated with the details. In such cases, you need to correct the error and import it again using the *Validate and Import Excel* button. The System imports the counted quantity and serial/lot information into the Inventory Counting Document.

Inventory Counting

Count Date: 25/11/19 Time: 2:22PM No.: Primary 10  
Counting Type: Single Counter Status: Open  
Inventory Counter: User manager Ref. 2

General

Find Item No. Warehouses

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM Counted Qty	Counted Qty
1	Sberry_pulp	Sberry_pulp	<input type="checkbox"/>	01	01-002	1.750	<input type="checkbox"/>		0.00
2	sberry_syrup	sberry_syrup	<input type="checkbox"/>	01	01-SYSTEM	2,963.999	<input type="checkbox"/>		0.00
3			<input type="checkbox"/>			0.000	<input type="checkbox"/>		0.00

2,965.749

Remarks

BatchMaster Options

- Export Excel Template
- Validate Excel only
- Validate & Import Excel
- Import from BatchMaster WMS

OK Cancel Add Items Adjust Counted Quantities



### Inventory Counting

Count Date: 25/11/19 Time: 2:22PM No.: Primary 10  
Counting Type: Single Counter Status: Open  
Inventory Counter: User manager Ref. 2

**General**

Find Item No. Warehouses << >>

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM Co...	Counted Qty	Va...
1	Sbrry_pulp	Sbrry_pulp	<input type="checkbox"/>	01	01-002	1.750	<input checked="" type="checkbox"/>		2.000	
2	sbrry_syrup	sbrry_syrup	<input type="checkbox"/>	01	01-SYSTE	2,963.999	<input checked="" type="checkbox"/>		2,941.280	
3			<input type="checkbox"/>			0.000	<input type="checkbox"/>		0.000	
						2,965.749			2,943.280	2,969

Remarks

BatchMaster Options

OK Cancel Add Items Adjust Counted Quantities Copy to Inventory Posting



- For any reason, if you are required to reimport the excel sheet, then click on the *Set as Not Counted* button. It will reset the previously imported excel sheet. You can import the excel sheet again.

Inventory Counting

Count Date: 25/11/19 Time: 2:22PM No.: Primary 10  
Counting Type: Single Counter Status: Open  
Inventory Counter: User manager Ref. 2

General

Find: Item No. Warehouses

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM Co...	Counted Qty	Va...
1	Sbrry_pulp	Sbrry_pulp	<input type="checkbox"/>	01	01-002	1.750	<input checked="" type="checkbox"/>		2.000	
2	sbrry_syrup	sbrry_syrup	<input type="checkbox"/>	01	01-SYSTE	2,963.999	<input checked="" type="checkbox"/>		2,941.280	
3			<input type="checkbox"/>			0.000	<input type="checkbox"/>		0.000	
						2,965.749			2,943.280	12.969

Remarks

BatchMaster Options

OK Cancel Add Items Adjust Counted Quantities Copy to Inventory Posting

Set as Not Counted  
Copy In-Whse Qty on Count Date



### 1.3.2.2 Import From WMS

1. If you performed the Inventory counting through WMS then, on the Inventory Counting Document Screen, click on the *Import from BatchMaster WMS* option.

The screenshot shows the 'Inventory Counting' window. At the top, there are fields for 'Count Date' (22/10/19), 'Time' (4:56PM), 'No.' (Primary), and '8'. Below these are 'Counting Type' (Single Counter), 'Inventory Counter' (User | manager), 'Status' (Open), and 'Ref. 2'. A 'General' tab is active, showing a table with columns: '#', 'Item No.', 'Item Description', 'Freeze', 'Whse', 'Bin Location', 'In-Whse Qty ...', 'Counted', 'UoM Co...', 'Counted Qty', and 'Va...'. The table contains two rows: row 1 for 'Sberrypulp' with 'In-Whse Qty' of 3,131.905 and 'Counted Qty' of 0.000; row 2 is empty. A total of 3,131.905 is shown at the bottom of the table. Below the table is a 'Remarks' field and a 'BatchMaster Options' dropdown menu. The dropdown menu is open, showing options: 'Export Excel Template', 'Validate Excel only', 'Validate & Import Excel', and 'Import from BatchMaster WMS'. The 'Import from BatchMaster WMS' option is highlighted with a red box. At the bottom, there are buttons for 'OK', 'Cancel', 'Add Items', and 'Adjust Counted Quantities'.

2. The inventory counting result of the Serial/lot is imported to the Inventory Counting Document screen, to post further.



### 1.3.3 Posting the Inventory Counting Document

1. Use the *Copy to inventory posting* button to import/post the counting result and update inventory with the actual count and lot-bin details.

Inventory Counting

Count Date: 25/11/19 Time: 2:22PM No.: Primary 10  
Counting Type: Single Counter Status: Open  
Inventory Counter: User manager Ref. 2

General

Find Item No. Warehouses

#	Item No.	Item Description	Freeze	Whse	Bin Location	In-Whse Qty ...	Counted	UoM Co...	Counted Qty	Va...
1	Sberrypulp	Sberrypulp	<input type="checkbox"/>	01	01-002	1.750	<input checked="" type="checkbox"/>		2.000	
2	sberrysyrup	sberrysyrup	<input type="checkbox"/>	01	01-SYSTEM	2,963.999	<input checked="" type="checkbox"/>		2,941.280	
3			<input type="checkbox"/>			0.000	<input type="checkbox"/>		0.000	
						2,965.749			2,943.280	2.969

Remarks

BatchMaster Options

OK Cancel Add Items Adjust Counted Quantities Copy to Inventory Posting



2. Click on the Copy to Inventory Posting button to copy the document to the Inventory Posting screen.

Inventory Posting

Posting Date: 25/11/19 No.: Primary 2  
Count Date: 25/11/19 Time: 2:22PM Ref. 2  
Price Source: Item Cost

Find Item No. Warehouses << >>

#	Item No.	Item Description	Whse	Bin Location	In-Whse Qty on Count Date	UoM Counted Qty	Counted Qty	Variance	Var...
1	Sberry_Sberry_pulp		01	01-002	1.750		2.000	0.250	
2	sberry_sberrysyrup		01	01-SYSTEM-	2,963.999		2,941.280	-22.719	
3					0.000		0.000	0.000	
					2,965.749		2,943.280	22.969	0.774

Remarks: Based On Inventory Counting 10

Journal Remark: Inventory Posting

Add Cancel Add Items Copy from Inventory Counting

3. Click the *Add* button to post the document.