

CAUTION !! All new procedures and processes should be checked in the 'Test' environment before being applied to the 'Live' business system.

WORKS ORDER BACKFLUSH Ver 2

1. INTRODUCTION

The Works Order Backflush process enables the components of a works order to be issued (removed from stock) simultaneously with booking the finished product/assembly into stock.

The process is useful where product assembly leadtimes (duration of the works order in WIP) is short, and the pre-kitting or issuing of all components would be time consuming.

It is not applicable to serial or batch numbered assemblies where a number of lower level batch or serial number controlled items need to be selected.

Note that for the duration of the works order, the stock will be inaccurate, as components or lower level items will be consumed but not removed from the system stock control until the works order is completed.

The menu path is *Works Order Processing, Transaction Entry, Works Order Backflush*

2. COMPONENT ISSUE

Select the Works Order. The 'Quantity To Issue' will be shown and can be amended if required. Enter the Finished Item Depot (and Location if required)

The screenshot shows a software window titled "SMS-WORKS-BACKFLUSH - Sapphire Technologies R&D Demo". Inside the window is a form with the following fields:

Bill of Materials	C1200
Quantity To Issue	2.0000
Issue Date	09 Jun 2006
Finished Item Depot	WH1
Location	

A red circle highlights the "Quantity To Issue" field. At the bottom right of the window, there is a smaller dialog box titled "Works Order Backflush" with a question mark icon and three buttons: "Accept", "Reenter", and "Discard".

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Data Sheet for Works Order Backflush

Select the Depot from which the component items are to taken.

(From Version 10 this will default to the Default Depot set in the Stock parameters if the 'Single Depot GRN Allocation' parameter is set to YES)

The screenshot shows a window titled "SMS-WORKS-BACKFLUSH - Sapphire Technologies R&D Demo". The main area contains a text box with the prompt "Depot to select stock from" and a dropdown menu currently showing "WH1". In the bottom right corner, there is a smaller dialog box titled "Works Order Backflush" with a question mark icon and two buttons: "Accept" and "Reenter". The status bar at the bottom of the main window reads "Works Order Backflush".

The components to be issued are shown

The screenshot shows the same application window with more data entered. At the top, there are fields for "BOM To Issue" (c1200), "Qty To Manufacture" (2.0000), "Description" (Painted Casting), "Ref", "Depot" (WH1), and "Location". Below this is a table with the following data:

Item Number	Planned Qty	Issued Qty	Actual Qty
c1050	2.0000	0.0000	2.0000

At the bottom of the table area, there is a field for "Description" containing "Machined Casting". The status bar at the bottom of the main window reads "Works Order Backflush".

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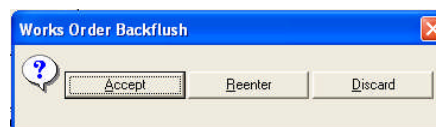
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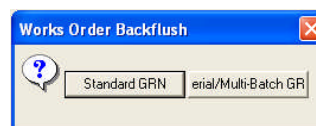
Amend the Actual Quantity if required, or ESC to the base menu and then Accept

The GRN base menu is shown (see 3 below)



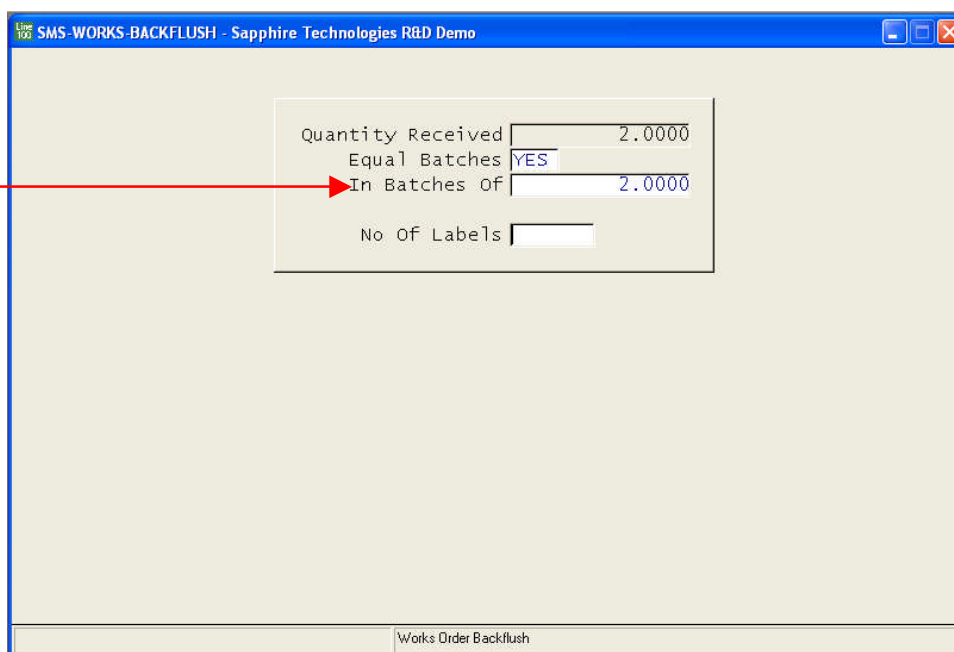
3. FINISHED GOODS INTO STOCK

Select the GRN process required. In this example the Serial/Multi Batch GRN is selected.



The Quantity to be received is shown (Based on the component quantities issued) and cannot be amended

This is the number of items that will be in each individually numbered batch



Respond to the Equal Batches query. If set to YES then the quantity is divided equally by the quantity entered in the 'In Batches Of' field to give the number of individual batches that will be produced.

If set to NO, then the quantity for each batch must be entered manually. The system will prompt for the number of batches to be produced.

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Data Sheet for Works Order Backflush

The system will acknowledge the number of individual GRN's that will be produced

SMS-WORKS-BACKFLUSH - Sapphire Technologies R&D Demo

Quantity Received
Equal Batches
In Batches Of

This selection will produce individual GRNs.

Works Order Backflush

Batch/Serial Number

Works Order Backflush

In this example Automatic Numbering is selected. The system responds by showing the batch number that will be produced with the quantity shown

SMS-WORKS-BACKFLUSH - Sapphire Technologies R&D Demo

Total To Book In
Total Booked In

No.	Quantity	Serial/Batch Number
1	2.0000	A7006

Press ESCAPE when finished

Works Order Backflush

Create GRNs Reenter Discard

Works Order Backflush

Select Create GRN's. The transaction is completed, the screen closed and the goods are in stock.

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The Stock Record Card and View GRN Enquiry confirms the transaction

SMS-GRN-DISPLAY - Sapphire Technologies R&D Demo

Item Number: C1200 Last 60 Days Transactions
 Description: Painted Casting Stock Balance: 19.0000
 Depot: WH1 Measured In: Each

Date	Reference	In	Balance	Out
09 Jun 2006	10:13 6172	2.0000	19.0000	
28 Apr 2006	17:02 6163	2.0000	17.0000	
28 Apr 2006	16:55 6162	3.0000	15.0000	
28 Apr 2006	16:55 6161	2.0000	12.0000	
28 Apr 2006	16:42 6159	2.0000	10.0000	
Total		11.0000	0.0000	

Account: Unit Cost: 50.0000 Currency: £ Invoiced? N/A

GRN Summary

MCN-GRN-DISPLAY - Sapphire Technologies R&D Demo

Item Number	GRN No	Depot	Bin	In Stock	Available
C1200	6078	WH1		2.0000	0.0000
C1200	6079	WH1		2.0000	0.0000
C1200	6129	WH1		2.0000	0.0000
C1200	6131	WH1		2.0000	0.0000
C1200	6159	WH1		2.0000	0.0000
C1200	6161	WH1		2.0000	0.0000
C1200	6162	WH1		3.0000	0.0000
C1200	6163	WH1		2.0000	0.0000
C1200	6172	WH1		2.0000	0.0000

Batch Number: A7006 Date Received: 09 Jun 2006
 Description: Painted Casting Expiry Date:
 Cost Price: 50.0000 Best Before Date:
 Supplier: BUILT Own Manufacture On Hold: NO

View GRNs

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4. AUDIT TRAIL REPORT

A report is produced for each backflush transaction

Audit Trail of Works Order Backflush				Date	09 Jun 2006
Works Order	5168			Issued By	BOBL
BOM Reference	C1200			Reference	
Description	Painted Casting				
Quantity	2.0000				
Item Number	Description	Quantity Issued	GRN		
C1050	Machined Casting	2.0000	6077		
BOM Reference	C1200				
Quantity	2.0000				
GRN Created	6172				