

A simple way to blend two products into a single tank.

Summary

Tank blending is a common practice, not just for merging two of the same kind of beer, but even two different brands. Tank blending in Orchestrated is incredibly easy and simple allowing you to merge two different brands into a single one or two of the same brand of beer together in a single tank.

How to Set up Control Item

The blend control item(s) are extremely important and are added when OBeer is installed. Their purpose is to overcome a challenge in SAP of have the same component item and finished good item on a production order. In layman's terms, you can't create an item out of itself and out of necessity the control item was created. In Orchestarted, the items OB9001 and OB9002 are created and assigned to all warehouses, and a Bill of Material is created for OB9001 that contains item OB9002, the rest of the setup is up to you.

List	of Items				
Find	н 📔] <u>K</u> eep Visible	
#	Item No	Item Description	Item G	Process Type	In Stock
1	OB9001	Blend Control Item	Items	None	(~
2	OB9002	Blend Line Item	Items	None	(

The following additional setup is required:

1. Set the item group for OB9001 & OB9002 by navigating to the item within Item Master Data, then selecting WIP: Green Beer or WIP Bright Beer.

Now, how is the control used? **WARNING TECHNICAL STUFF COMING**.. when you select Blend Tank.. the following happens

1. A production order is created for the blend control item OB9001 that consumes the two beers. This accumulates the cost of these two items into whatever account you have set through the item group.



Prod	uction Orde	2r									
Гуре		Standard					No.	Primary	10	328	
Statu	2	Closed	1				Order Date		01	/13/15	
Prod	uct No.	👄 OB9001					Production	Date	0	1/13/15	
Prode	uct Description	n 💦 Blend Control I	tem				Production	Time			
Plann	ed Quantity	384.5		UoM Name	e UoM-BB	L	Due Date		01	/13/15	
Ware	house	🗢 B02 - 🔨					User		C	onner Helton	
'urn,	/Brew #		Master	Prod #			В	atch #	Ba	tch Date	Su
_											
9	<u>C</u> omponents	Summary Yeas	t Pictory	y				6			<u>.</u>
#	Item No.	Item Description	Base	Nanned	Issued	Avail	UoM	UoM	Wareho.	Issue M	
1	📫 BB1003	Bright Beer - IPA	0.86	330.5	384.5	839.8	3 Manual	BBL	📫 B02	Manual	
2	\Rightarrow BB1003	Bright Beer - IPA	0.14	54		839.8	3 Manual	BBL	📫 B02	Manual	
3				-							
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		111								•	
Rema	arks	Tank Blend #6									
		Related pdo: 10	1329								
-											
	OK	Cancel									

- 2. This production order is then processed making planned quantity and issued quantity the same based on the value you said you received in the blend (usually 100% of both items)
- 3. A 2nd production order is created for "Blended" bright beer (or green beer) that consumes the Blend Control Item, so that the value of those beers is captured in the final product and the batch ID is set.



1				No. Order Date	Primary	1032	9	
				Order Date		01/1	- Jam	_
						01/1	3/15	
				Production	Date	01/1	3/15	
eer - IPA				Production	Time			
	UoM Name	e BBL	t)	Due Date		01/1	3/15	
				User		Coni	ner Helton	
Master	r Prod #			B	atch #	Batch	n Date	Suf
Yeat Histor	w.				6			
tion Base	Planned	Issued	Avail	. UoM	UoM	Wareho	Issue M	1
ol Item 1	384.5	384.5		Manual	LIoM-BBI	B02	Manual	1.4
							•	Y
	Master Yeart Histor bion Base ol Item 1	VoM Name Master Prod # Yeart History blion Base Planned ol Item 1 384.5	UoM Name BBL Master Prod # Yeat History bion Base Planned Issued ol Item 1 384.5 384.5	UoM Name BBL Master Prod # Year History bion Base Planned. Issued Avail. ol Item 1 384.5 384.5	UoM Name BBL Due Date User Master Prod # B Yeart History bion Base Planned. Issued Avail. UoM ol Item 1 384.5 384.5 Manual Avail Avail	UoM Name BBL Due Date User Master Prod # Year History bion Base Planned Issued Avail UoM UoM ol Item 1 384.5 384.5 Manual UoM-BBL	UoM Name BBL Due Date 01/1 User Com Master Prod # Batch # Batch Year History 6 Tion Base III Planned Issued Avail UoM UoM UoM Wareho ol Item 1 384.5 384.5 Manual UoM-BBL 02 Manual UoM-BBL 02 Manual UoM-BBL 02 Manual UoM-BBL 04 Manual	UoM Name BBL Due Date 01/13/15 User Conner Helton Batch # Batch Date Year History 6 Tion Base III Planned. Issued Avail UoM III UoM III Wareho Issue M ol Item 1 384.5 384.5 Manual UoM-BBL 802 Manual Item 1 384.5 Internet III Internet IIII Internet IIIII Internet IIII Internet IIIII Internet IIIIIIII IIIIIIIIIIIIIIIIIIIIIIIIIII

4. The production order is processed with the planned quantity and issued quantity being equal.



5. A blend history document is created so that we can see what happened.

Document 6 Status Closed Blend Date 01/13/15 Warehouse B02 Final Item BB1003 Bright Beer - IPA Quantity 384.50 Batch IPA119 InPdo 10329 Input Items ItemCode ItemName Quantity Batch 1 BB1003 Bright Beer - IPA 330.50 IPA119 2 BB1003 Bright Beer - IPA 54.00 1234 1 Imput Items Imput Item Imput Item Imput Item 1 BB1003 Bright Beer - IPA 330.50 IPA119 Imput Item 2 BB1003 Bright Beer - IPA Imput Item Imput Item Imput Item Imput Item 1 BB1003 Bright Beer - IPA Imput Item Imput Item Imput Item Imput Item 1 Imput Item 1 BB1003 Bright Beer - IPA Imput Item Imput Item Imput Item Imput Item Imput Item Imput Item<	ап	k Blending								
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Currently the blend control item passes the batch ID of the selected beer in tank, but not the MPN. This will be added in the future.

 To use this feature, navigate to Production → Cellar Worksheet or Packaging Worksheet, then locate the tank you wish to blend.



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	4	Cellar Worksheet													
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kpit	Inventory	Cellar Green Beer	Loc	ation :	В	rewery #	1 V Star	rt Date	12/14/13	En	id Date	12/14/14		afresh Matrix	User
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dules		Issue		F02	-	_	GB1001	-	Green Beer - Amber	r Ale		100.00	BATCH14		7
Mod	2 Rackaring Worksheat	Receipt	2	F02			GB1001		Green Beer - Amber	r Ale		152.00	AMA100		7
	Production Dracedure		-	F03		-	DH1003		Dry Hopped Beer -	IPA		140.00	IPA119		
date				F04			={Empty}=					0.00			
8. R e	Teast schedule	Chab is		F05			={Empty}=					0.00			
Drag	Automation		~	and Decid		outres :									
	Bill of Materials	GR	S	Batch	MPN	Produ	ction Order #	Style		Prod Date	Prod Time	Due Date	From Whse	To Whse	Planned Qty
	Production Order	Close			-										
	Procurement Confirmation Wizard		R	AMA34	0	- 100	73	Bright I	Beer - Amber Ale	04/16/14	12:00PM	04/16/14	FOS	BUZ	400.00
	Receipt from Production		R	IPAGI IPAGI	0	100	77	Bright	Reer - IPA	04/18/14	10:00AM	04/18/14	F01	BOS	90.00
	Issue for Production	QC Data	R	IPA62	1	100	78	Bright	Beer - IPA	05/01/14	4:05PM	05/01/14	F10	804	90.00
	Update Parent Item Prices Globally		R	IPA42	7	-> 10!	61	Bright I	Beer - IPA	04/20/14	3:25PM	04/20/14	F02	B03	90.00
	Production Reports	Ferm QC	R	IPA43	8	-> 101	68	Bright I	Beer - IPA	05/01/14	12:30PM	05/01/14	F04	BOS	90.00
	Blend History	CIP													
	Backtrace Batches		Pro	duction O	rder Li	nes :			-						
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In this example the Cellar Worksheet is displayed and there are two beers with different batch IDs, effectively two items within the same tank, these beers are to be blended.

Right-click on the tank you wish to blend and select <u>"Blend Tank"</u>. The batch ID will default to the row you right-clicked on (but this can be changed).

Cellar Worksheet					
Cellar Green Beer	Location : Brewery #1 *	Start Date 12/15/13	End Date 12/15/14 🖪 Refresh Matrix	User:	▼ Status Released ▼
Production	Current Tank Status :				
Express	Warehouse	▲ Item Code	Item Name	Volume	Batch
	B05	={Empty}=		0.00	
Issue	F01	={Empty}=		0.00	
Receipt		GB1001	Green Beer - Amber Ale	100.00	BATCH14
		GB1001	Green Beer - Amber Ale	152.00	AMA100
	Filter Lagie	DH1003	Dry Hopped Beer - IPA	140.00	IPA119
	biend Tank	={Empty}=		0.00	
Status					

3. With the Tank Blending screen up, enter the Blend Date (will default to today), the final blended quantity (default to the sum in the tank), and verify the Final Item & Batch information. Clicking on the button will display the items in the tank and allow you

)o ita	cument tus	Open Blend	Date 12/15/14	Warehouse F02	
Fin Bat	al Item	GB1001 Gr BATCH14 Gr	een Beer - Amber Ale	Quantity 252.00 InPdo 👄	2
inp	out Items				
	ItemCode	ItemName	Quantity	Batch	ř 1
1	GB1001	Green Beer - Amber Ale	e 152.00	AMA100	-
					-
	Add	Comm	ents	OutPdo 📫	

Additional Information

Blend History



 You can view the history of tank blends at anytime by navigating to Production → Blend History

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	Receipt from Production													
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Control Items

• Tank blending uses two control items for the process to work. Both of these items require GL determination setup. The two items are OB9001: Blend Control Item and OB9002: Blend Line Item.

Warehouse Setup

By default all warehouses are setup to allow tank blending. If you wish to change this flag, its done on the warehouse setup screen.
 Navigate to Administration → Setup → Inventory → Warehouses. Then locate the



warehouse you wish to change. Ensure User-Defined Fields are visible (Click View \rightarrow Show User Defined Fields from the menu bar at the top). Then select **NO** from the Allow Tank Blending drop down.

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	Mill++→+IFN POPD&MER KC.₽ ∅9a	3 4 4 5 6 9 6 6
Administration	Welcome, Conner Helton. You are in the Home codipit of .Orchestrated8EER.	
Choose Company Exchange Rates and Indexes System Initialization Setup General	Messages and Alerts	
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문 Eusiness Partners	Warehouses - Setup	Tax Determination
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Itim Properties Warehouses Units of Measure	Location Brewery ∉1 ▼	Coresuite Cloud Filter Hides the Object Courser Allow Tank Blending Yes
Unit of Measure Groups Length and Width Weicht	Street/PO Box Enable Bin Locations Street No. Block	
Customs Groups Manufacturers	Zip Code City County	
Shipping Types Locations Inventory Cycles	Country State	
Cycle Count Determination Package Types	GLN 2ndov Location in vale strovat	

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