## INNO IO CONSULTING



#### Setting Up Assembly Order Bill of Materials in Business Central

#### **Today's Presenter**







## Assembly BOM setup



# Why are there different ways to set up BOMs

- Depends on how you:
- Track your inventory
- Sell your inventory
- Ship your inventory





### What are the two ways I see companies use BOM's?

- To assemble multiple items into a single sellable package
- To assemble multiple items into a display package so that these can be re-sold as individual units





# Do we need to use BOMs for all assembly orders?

#### • No

- Most common reason why they don't use BOMs
- Unique, Make to order items
- Sometimes it doesn't fit their process or business model





### Most common BOM setup example

• Six pack of soda

- Three pack of gum
- Holiday package





# Case reason for this type of BOM

Assemble items into a single sellable unit





### Six pack of Soda BOM Contains

✓ Sprite – Quantity of 6

✓ Plastic Holder – Quantity of 1

1007 · Sprite - 6 pack			We are Sprite									
Assei	mbly BOM	,∕⊃ Sea	rch + New	🐯 Edit List	📋 Delete	ltem	BOM	More options				
	Туре		No.	Descript	ion			Assembly BOM	Quantity per	Unit of Measure Code	Installed in Item No.	Position
$\rightarrow$	ltem	<b>*</b> :	1006	Sprite				No	6	PCS		
	Item 1008				6 pack holder			No	122	PCS		



#### Six pack of Soda Assembly Order

✓ Need 12 cans of Sprite

#### ✓ Need 2 plastic six pack holders

Assembly Order		<ul> <li>Ø</li> <li>Ø</li> <li>Ø</li> </ul>	Û	√ Saved 🗖			
A000-1 · Sprite - 6	pack						
Process Posting Release F	epare Print Warehouse <u>Order</u> Actions ~	Related $\lor$ Automate $\lor$ Fewer options					
♣ Dimensions A Statistics	🛡 Comments 🛛 🗱 Item Tracking Lines 🛛 🛔 Assembly B	DM 📑 Order Tracking Item Availability	by $\backsim$				
General				① Details ① Attachments (0)			
lo.	A000-1	Due Date	10/27/2022	Assembly Item - Details			
tem No.	1007 ~	Starting Date	10/26/2022	Item No. 1007			
escription	ription Sprite - 6 pack Ending Date 10/26/2022						
Quantity	2	Remaining Quantity	2	Unit Price 0.00			
Quantity to Assemble	2	Assembled Quantity	C	Component - Item			
Init of Measure Code	PACK ~	Assemble to Order	No	Item No. 1006			
osting Date	10/27/2022	Status	Open	Required Quantity 12			
				Availability			
ines Manage Line F	nctions Fewer options		r 20	Due Date 10/26/22 Item Availability -12			
Avail. Warni Type No.	Quantity Unit of Description per Measure Code		Remaining Quantity Unit Cost Cost Amount Location Cos	Available Inventory			
→ <u>Yes</u> : Item 1006	Sprite 6 PCS	12 12 0	12 1.50 18.00	Reserved Receipt Gross Requirement 12			
Yes Item 1008	Plastic 6 pack holder 1 PCS	2 2 0	2 0.05 0.10	Reserved Requirement			
				Itom			

# Case reason for this type of BOM

 Assemble items into a display case for a customer to be able to sell these items individually





#### Ten pack of Drill bits contains

Drill Bits – Quantity of 1
Display case – Quantity of 0.1

1010	• Drill Bit - 10 P	ack	-		We are creating a Drill Bit - 10 pack								
Asse	mbly BOM	Q	Sear	ch 🕂 New	🕏 Edit List 📋 Delete 🛛 Item 🔒	OM More options							
	Туре			No.	Description	Assembly BOM	Quantity per	Unit of Measure Code	Installed in Item No.	Position			
$\rightarrow$	ltem	~	÷	1009	Drill bit - 1/8"	No	1	PCS					
	ltem			1011	Drill bit - display case	No	0.1	PCS					



#### **Ten pack Drill Bit Assembly Order**

✓ Need 20 Drill bits

#### ✓ Need 2 Drill bit display cases

Process	Pos	tina	Release	Prepa	are Print Warehouse	Order	Actions V	Related $\vee$	Automate $\vee$	Fewer optic	ns					6
🕹 Dim			Statistics	1000	Comments 🛛 🚟 Item Tra	194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194	Assembly E		order Tracking	ltem Availabi						Ś
Genera														*	🛈 Details 🛛 🔋 Attachme	
	14495		121212121212121		A00000			Due Dat	e		10/27/2022				Assembly Item - Details	·
tem No.					1010		~	Starting	Date		10/26/2022				Item No.	1010
Description Drill Bit - 10 Pack						Ending Date 10/26/2022							Standard Cost	0.00		
Quantity				20	20 Remaining Quantity						20	Unit Price	20.00			
)uantity t	to Ass	emble					20	Assembl	led Quantity					0	Component - Item	
Init of M	leasur	e Code			РАСК		~	Assembl	e to Order		No				ltem No.	1011
osting D	Date				10/27/2022			Stetus			Open			_	Required Quantity	2
							/							- 1	Availability	
ines		/lanage	Line	Funct	ions Fewer options		/							ê E	Due Date Item Availability	10/26/22 -2
Avail. Warni		Тур	e No		Description	Quantity	Unit of Measure Code	Quantity	Quantity to Consume	Consumed Quantity	Remaining Quantity	Unit Cost	Cost Amount	Location C	Available Inventory Scheduled Receipt	
Yes		Iter		09	Drill bit - 1/8"	1	PCS	20	20	0	20	2.00	40.00		Reserved Receipt	-
→ <u>Yes</u>		: Iter	n 10	11	Drill bit - display case	0,1	PCS	2	2	0	2	0.10	0.20		Gross Requirement Reserved Requirement	2

### These are the two most common ways I have seen Assembly BOMs used

This concludes our session on Assembly BOM setup



## Any Questions?





## Thanks for Joining Us



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