Business Central Introduction III Applying item entries

Microsoft Dynamics 365 Business Central)

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Creation of the new item using new item template

Dynamics 365 Business Central							
CRONUS International Ltd	. Finance \lor Journals \lor Cash Management \lor	Cost Accounti	Tell me what you want to do	2 ×			
Chart of Accounts Bank Account	nts Customers Vendors Purchase Orders Incoming	Documents	item				
Headline			On current page (Accountant)				
Good morr	ning, Test Teacher!		Purchase Credit Memo Create a new purchase credit memo so you can manage returned items to a vendor.				
	9,		Post Inventory Cost to G/L Record the quantity and value change	ges to the inventory in the item ledger entries and t			
			Go to Pages and Tasks	Show all (28)			
Activition			> Items	Lists			
Intelligent Cloud	Cash Associate Palasas		> Item Tracing	Tasks			
		- 1	> Item Charges	Administration			
	50 £250,243		Go to Reports and Analysis	Show all (31)			
Learn More intelligent Lloud . Insights .	>See more >See more	>:	📳 Items per Job	Reports and Analysis			
Payments	Document Approvals	Financials	Service Items	Reports and Analysis			
Purchase Docu Purch. Invoices. Due Today Next Week	. Purchase Disco POs Pending SOs Pending Next Week Approval Approval	Unproce Payment	Jobs per Item	Reports and Analysis			
38 0	1 0 0	0	Didn't find what you were looking for? Try	y exploring Product Videos			

Preparation of data and tables for modeling

List of items

\leftarrow	Items Work Date: 7/20)/2022														[] 더 ,*
		Manage Process Report	Item Prices & Discounts	Request Approv	val Inver	ntory Attri	butes 🛛 🚺 Open i	n Excel More	options							7 ≡ 0
	No. †	Description	Туре	Inventory	Substitutes Exist	Assembly BOM	Production BOM No.	Routing No.	Base Unit of Measure	Cost is Adjust	Unit Cost	Unit Price	Vendor No.	Default Deferral Template		
	<u>1000</u> :	Bicycle	Inventory	32	No	No	1000	1000	PCS		350.594	4,000.00			① Details 🔋 Attachments (0)	
	1001	Touring Bicycle	Inventory	0	No	No	1000	1000	PCS		350.594	4,000.00				
	1100	Front Wheel	Inventory	152	No	No	1100	1100	PCS		129.671	1,000.00	20000		item Details - Invoicing	
	1110	Rim	Inventory	400	No	No			PCS		1.05	0.00	01587796		Item No.	1000
	1120	Spokes	Inventory	10,000	No	No			PCS	2	2.00	0.00	01587796		Costing Method	Standard
	1150	Front Hub	Inventory	200	No	No	1150	1150	PCS		12.441	500.00			Cost is Adjusted	No
	1151	Axle Front Wheel	Inventory	200	No	No			PCS		0.45	0.00	32456123		Standard Cost	Yes 350 594
	1155	Socket Front	Inventory	200	No	No			PCS		0.77	0.00	32456123		Unit Cost	350.594
	1160	Tire	Inventory	200	No	No			PCS		1.23	0.00	01587796		Overhead Rate	0.00
	1170	Tube	Inventory	200	No	No			PCS		1.75	0.00	01587796		Indirect Cost %	0
	1200	Back Wheel	Inventory	152	No	No	1200	1200	PCS		129.6815	1,200.00			Last Direct Cost	0.00
	1250	Back Hub	Inventory	200	No	No	1250	1150	PCS		12.4515	1,100.00			Profit %	91.23515
	1251	Axle Back Wheel	Inventory	10,000	No	No			PCS		0.33	0.00	01587796		Unit Price	4,000.00
	1255	Socket Back	Inventory	200	No	No			PCS		0.90	0.00	01587796		Item Details - Planning	
	1300	Chain Assy	Inventory	152	No	No	1300		PCS		13.1565	800.00			5	
	1310	Chain	Inventory	100	No	No			PCS		1.99	0.00	32456123		Item No.	1000
	1320	Chain Wheel Front	Inventory	100	No	No			PCS		4.66	0.00	32456123		Reordering Policy	Pixed Reorder Qty.
	1330	Chain Wheel Back	Inventory	100	No	No			PCS		5.88	0.00	32456123		Reorder Quantity	100
	1400	Mudguard front	Inventory	152	No	No			PCS		3.90	0.00	32456123		Maximum Inventory	o
	1450	Mudguard back	Inventory	152	No	No			PCS		3.90	0.00	32456123		Overflow Level	O
	1500	Lamp	Inventory	152	No	No			PCS		5.20	0.00	45774477		Time Bucket	1W

Template creation I.

Select a template for a new item	ク ~ …			2 ×
	🚺 Open in Excel			
Description	Actions	> New Do	ocument >	💥 New
Item RETAIL	Fewer options	🖉 Edit		
Item MANUFACT				
Office furniture	✓ Show as menu	× Delete		
Miscellaneous				
\rightarrow <u>TEST 01</u>				:

Here you need to create a new number series, that will allow you to number the items created according to this template

Item Template	
Master Data More options	
General	
Template Name · · · · · · TEST_02	No. Series
Enabled · · · · · · · · ·	
Item Setup	
Base Unit of Measure	Automatic Ext. Texts · · · · · •
Type · · · · · · · Inventory	
Price	
Price Includes VAT	Allow Invoice Disc. · · · · · ·
Price/Profit Calculation · Profit=Price-Cost	Item Disc. Group
Profit %0	
Cost	
Costing Method · · · · · FIFO 🗸	Indirect Cost % · · · · · 0
Financial Details	
Gen. Prod. Posting Gr	Inventory Posting Gro
VAT Prod. Posting Gro VAT10 ~	Tax Group Code
Categorization >	

Number of series creation



Here you first enter the series number and its name, the date of creation, in our case by selecting the code **T**, which means today, and the initial string, which will be incremented by the selected increment for each newly created item.

You need to check this box with the name **Default Number**

Item template ready

Item Temp	olate	\bigcirc		
Master Data More	options			
General				
Template Name	TEST_02		No. Series	TEST_02 V
Item Setup				
Base Unit of Measure	PCS	\sim	Automatic Ext. Texts	

You can now create new items

New created item card

Item Card Work Date: 7/20/2022			Ø +	Î	
T2_01 · Ball bearing M6					
Process Item Prices & Discounts Request Approval Mo	re options				
ltem					Show more
No		Blocked · · · · · · · · · · · · · · · · · · ·		Base Unit of Measure	PCS
Description · · · · · · Ball bearing M6		Type Inventor	У	Item Category Code	
Inventory					Show more
Sheif No.		Qty. on Prod. Order	0	Stockout Warning	Default (Yes)
Inventory	0	Qty. on Component Lines	0	Unit Volume	0
Qty. on Purch. Order	0	Qty. on Sales Order	0	Over-Receipt Code	
Costs & Posting					Show more
Cost Details		Posting Details			
Costing Method · · · · · · · · · · · · FIFO		Gen. Prod. Posting Group			
Standard Cost	0.00	Inventory Posting Group · · · · · · RESALE			
Unit Cost	0.00	Default Deferral Template			
Net Invoiced Qty.	0	Foreign Trade			
Cost is Adjusted		Tariff No.			
Purchase Prices & Discounts · · · · · · · Create New					
Prices & Sales >					0.00

Value entries- explanantion

- Each inventory transaction, such as a **purchase receipt** or a **sales shipment**, posts two entries of different types
 - QUANTITY

Reflects the change of quantity in inventory. This information is stored in item ledger entries.

Accompanied by item application entries.



Main principle related to value entries



Inventory setup – relation to inventory adjustment

General Posting J	ournal Templates	More options		
General				Show more
Automatic Cost Posting			Prevent Negative Inve	
Automatic Cost Adjus	Never	~	Skip Prompt to Create 🔹 💽	
Default Costing Meth	FIFO	~	Copy Item Descr. to E	

Specifies if value entries are automatically posted to the inventory account, adjustment account, and COGS account in the general ledger when an item transaction is posted. Alternatively, you can manually post the values at regular intervals with the Post Inventory Cost to G/L batch job

COGS = Cost Of Good Sold

Purchasing 2x item T2_01 by use of Inventory journal

• Same Purchase procedure but without vendor specification



Batch Name							DEFAULT					
Manage Process	Post/Print I	Line Item 🛽	Open in Excel	More options								
Posting Date	Entry Type	Document No.	ltem No.	Description	Location Code	Quantity	Unit of Measure Code	Unit Amount	Amount	Discount Amount	Unit Cost	Applies-to Entry
7/20/2022	Purchase	T00003	T2_01	Ball bearing M6	BLUE	10	PCS	12.00	120.00	0.00	12.00	0
7/20/2022	Purchase	T00003	T2_01	Ball bearing M6	BLUE	10	PCS	14.00	140.00	0.00	14.00	0

See next slide

	Do you want to nost the journal lines?	
F9=Post		
	Yes No	

Created item ledger entries and chosen tabs of item card

Item T2_01 Ball	bearing M6													Д
Item Ledger En	tries 🔎 Se	arch Entry	🚺 Open in E	Kcel More options										\ \
Posting Date	Entry Type	Document Type	Document No.	Item No. 🔻 Description	Location Code	Quantity	Invoiced Quantity	Remaining Quantity	Sales Amount (Actual)	Cost Amount (Actual)	Cost Amount (Non-Invtbl.)	Open	Order Type	Entry No.↓
7/20/2022	Purchase		T00003	T2_01	BLUE	10	10	10	0.00	140.00	0.00			346
7/20/2022	Purchase		T00003	T2_01	BLUE	10	10	10	0.00	120.00	0.00			345

Total cost of purchased item = 10*12 +10*14 = 120+140=260 and average = 260/20=13

Inventory	
Shelf No.	
Inventory	20
Qty. on Purch. Order	0
Casta & Posting	
Costs & Posting	
Cost Details	
Costing Method FIFO	~
Standard Cost	0.00 ····
Unit Cost · · · · · · · · · · · · · · · · · · ·	12.00
Net Invoiced Qty.	20
Cost is Adjusted	
Purchase Prices & Discounts · · · · · · · Create New	

Edit - Average Cost Calc. Overview - T2_01 Ball bearing M6 O Search Find entries Open in Excel More options Output Cost is Cost is Cost is Output Down List Cost Search is Entry Type Output				2>						
Q	Sear	rch 🙇 Find	l ent	ries 🕅 C	pen in Excel	More options				
	~	Туре		Valuation Date	ltem No.	Unit Cost	Cost is Adj	Entry Type	Quantity	Cost Amount (Expected)
\rightarrow	\sim	Closing E	÷	7/20/2022	T2_01	13.00			20	0.00
		Increase		7/20/2022	T2_01	12.00		Purchase	10	0.00
		Increase		7/20/2022	T2_01	14.00		Purchase	10	0.00

Item ledger entries and related value entries

Item T2_01 Ball b	bearing M6													Д
Item Ledger Entr	ries 🛛 🔎 Search	Entry 🛛 🚺 Open in E	xcel More	options										\ ≡
Posting Date	Docu Entry Type Type	ment Document No.	ltem No. 🔻	Description	Location Code	Quantity	Invoiced Quantity	Remaining Quantity	Sales Amount (Actual)	Cost Amount (Actual)	Cost Amount (Non-Invtbl.)	Open	Order Type	Entry No. 4
7/20/2022	Purchase	T00003	T2_01		BLUE	10	10	10	0.00	140.00	0.00			346
7/20/2022	Purchase	T00003	T2_01		BLUE	10	10	10	0.00	120.00	0.00	1		345
Value Entries ♀ Sear Views ▲ Filter list by: × × Item Ledger Entry No. 345.346 Entry No. ↓ Description 346 → 345 ↓	arch Entry DB Open in Excel	More options Item Ledger Entry Type Entry Type Purchase Direct Cost Posting Date Fring 7/20/2022 Pur Select from full list		Setting the to see all a	filter to Iten utomatically	n ledger / create	• entry d value	number entries	rs S					

Item Le Posting Date Entry Ty	edger Type 🗸 Entry Type †	Document Adj Type	Document No.	ltem Charge No.	Description	Sales Amount (Actual)	Cost Amount (Expected)	Cost Amount (Actual)	Cost Amount (Non-Invtbl.)	Cost Posted to G/L	Item Ledger Entry Quantity	Valued	Quantity	Invoiced Quantity	Cost per Unit	Cost per Unit (ACY)	ltem No.
7/20/2022 Purcha	nase Direct Cost		T00003			0.00	0.00	120.00	0.00	0.00	10		10	10	12.00	0.00	T2_01
7/20/2022 : Purcha	nase Direct Cost		T00003			0.00	0.00	140.00	0.00	0.00	10		10	10	14.00	0.00	T2_01

Selling 11 pcs of our item T2_01 by use of item journal

Manage Proce	ess Post/Print	Line Item 🛛	Open in Excel	More options									
Posting Date	Entry Type	Document No.	item No.	Description	Location Code	Quantity	Unit of Measure Code	Unit Amount	Amount	Discount Amount	Unit Cost	Applies-to Entry	Department Code
7/20/2022	Sale	T00004	T2_01	Ball bearing M6	BLUE	11	PCS	20.00	220.00	0.00	12.00	0	

The selling price is set at 20 USD / pc, and as can be seen, the cost is 12 USD / pc, although one piece of the purchased item should have a cost of 14 USD/pc from the FIFO point view.

COGS should be 10*12+1*14=120+14=134 and cost of remaining 9 pcs should be

260-134=126 and average cost per one item-> 126/9= 14

Inventory	
Shelf No.	
Inventory	9
Qty. on Purch. Order	0
Costs & Posting	
Cost Details	
Costing Method	FIFO ¥
Standard Cost	0.00
Unit Cost · · · · · · · · · · · · · · · · · · ·	12.00
Net Invoiced Qty.	9
Cost is Adjusted	
Purchase Prices & Discounts	Create New

Edit - Average Cost Calc. Overview - T2_01 Ball bearing M6															
,	🔎 Search 🙇 Find entries 🚺 Open in Excel More options														
~	Туре		Valuation Date	Item No.	Unit Cost	Cost is Adj	Entry Type	Quantity	Cost Amount (Expected)						
\rightarrow \sim	Closing E	÷	7/20/2022	T2_01	14.22			9	0.00						
	Increase		7/20/2022	T2_01	12.00		Purchase	10	0.00						
	Increase		7/20/2022	T2_01	14.00		Purchase	10	0.00						
	Decrease		7/20/2022	T2_01	12.00		Sale	-11	0.00						

BC calculated closing cost as 260-11*12=260-132= 128 and 128/9=14,22

Item ledger entries and Value entries

Item Ledger Entrie	m Ledger Entries 🖉 🔎 Search Entry 📳 Open in Excel More options															7 ≣
Posting Date	Entry Type	Document Type	Document No.	ltem No.	Description	Location Code	Quantity	Invoiced Quantity	Remaining	g Quantity	Sales Amount (Actual)	Cost Amount (Actual)	Cost Amount (Non-Invtbl.)	Open	Order Type	Entry No. 4
7/20/2022	Sale		T00004	T2_01		BLUE	-11	-11		0	220.00	-132.00	0.00			347
7/20/2022	Purchase		T00003	T2_01		BLUE	10	10		9	0.00	140.00	0.00			346
7/20/2022	Purchase		T00003	T2_01		BLUE	10	10		0	0.00	120.00	0.00			345

Posting Date	ltem Ledger Entry Type	Entry Type 1	Adj	Document Type	Document No.	ltem Charge No.	Description	Sales Amount (Actual)	Cost Amount (Expected)	Cost Amount (Actual)	Cost Amount (Non-Invtbl.)	Cost Posted to G/L	ltem Ledger Entry Quantity	Valued Quantity	Invoiced Quantity	Cost per Unit	Cost per Unit (ACY)	ltem No.
7/20/2022	Purchase	Direct Cost			T00003			0.00	0.00	120.00	0.00	0.00	10	10	10	12.00	0.00	T2_01
7/20/2022	Purchase	Direct Cost			T00003			0.00	0.00	140.00	0.00	0.00	10	10	10	14.00	0.00	T2_01
7/20/2022	Sale	Direct Cost			T00004			220.00	0.00	-132.00	0.00	0.00	-11	-11	-11	12.00	0.00	T2_01

Start inventory adjustment batch

Adjust cost - item entries -manual procedure



A	djust Cost - Item Entries			2>
Us	e default values from · · · · · · · ·	Last used optic	ons and filters	
0	ptions			
Ite	m No. Filter	T2_01		
Ite	m Category Filter			
Po	st to G/L			
Δ,	dvanced >			

Result of inventory cost adjustment

Inventory		
Shelf No.		
Inventory	9	
Qty. on Purch. Order	0	
		\backslash
Costs & Posting		
Cost Details		
Costing Method FIFO	*	
Standard Cost	0.00 ····	
Unit Cost	14.00	
Net Invoiced Qty.	9	
Cost is Adjusted		
Purchase Prices & Discounts · · · · · · · Create New		

Туре	Valuation Date	Item No.	Unit Cost	Cost is Adjusted	Entry Type	Quantity	Cost Amount (Expected)	Cost Amount (Actual)	
Closing Entry	 7/20/2022	T2_01	14.00	2		9	0.00	126.00	
Increase	7/20/2022	T2_01	12.00		Purchase	10	0.00	120.00	
Increase	7/20/2022	T2_01	14.00		Purchase	10	0.00	140.00	
Decrease	7/20/2022	T2_01	12.18		Sale	-11	0.00	-134.00	
									_

12,18=134/11

Item ledger entries and related value entries

Item Ledger Entries	,	Entry 🛛 🚺 Open in Exc	cel More	options										
Posting Date V	Entry Type	Document Type	Document No.	item No.	Description	Location Code	Quantity	Invoiced Quantity	Remaining Quantity	Sales Amount (Actual)	Cost Amount (Actual)	Cost Amount (Non-Invtbl.)	Open	Order Type
7/20/2022	Sale		T00004	T2_01		BLUE	-11	-11	0	220.00	-134.00	0.00		
7/20/2022	Purchase		T00003	T2_01		BLUE	10	10	9	0.00	140.00	0.00		
7/20/2022	Purchase		T00003	T2_01		BLUE	10	10	0	0.00	120.00	0.00		

Posting Date	ltem Ledger Entry Type	Entry Type †	Adj	Document Type	Document No.	ltem Charge No.	Description	Sales	Amount (Actual)	Cost Amount (Expected)	Cost Amount (Actual)	Cost Amount (Non-Invtbl.)	Cost Posted to G/L	Item Ledger Entry Quantity	Valued Quantity	Invoiced Quantity	Cost per Unit
7/20/2022	Purchase	Direct Cost			T00003				0.00	0.00	120.00	0.00	0.00	10	10	10	12.00
7/20/2022	Purchase	Direct Cost			T00003				0.00	0.00	140.00	0.00	0.00	10	10	10	14.00
7/20/2022	Sale	Direct Cost			T00004				220.00	0.00	-132.00	0.00	0.00	-11	-11	-11	12.00
7/20/2022	Sale	Direct Cost	1		T00004				0.00	0.00	-2.00	0.00	0.00	0	-11	0	0.18182

Another value entry has been created, showing the difference of USD 2 between the original cost of 132 and the new adjusted cost of 134. For the unit, it is then 2/11 = 0.18

Post inventory costs to general ledger

Tell me what you want to do	
Post Inventory Cost to G/L	
Go to Reports and Analysis	
Post Inventory Cost to G/I	. Reports and Analysis

Post Inventory Cost	to G/L
---------------------	--------

Д 2 X

Printer	(Handled by the browser)
Options	
Posting Method	Per Entry
Document No.	
Post	

Filter: Post Value Entry to G/L

× Item No.	T2_01	\sim
× Posting Date		
+ Filter		

Working on it...

The report is being rendered. This can take a while, depending on the number of rows that have been generated.

Post inventory costs to general ledger

Post Inv Posted pe CRONUS	entory Cost to C r Entry International Ltd.	G/L												Thursday, Septe	ember 2, 2021 Page 1 TEACHER
Test Report (Not Posted)															
Value Entry: Item No.: T2_01															
Entry No. Item	ltem Ledger Entry Type	Document No.	Source No.	Inventory Posting Group	Posting Date	COGS	Inventory Adjustment	Direct Cost Applied	Overhead Applied	Purchase Variance	Mfg. Direct Cost Variance	Manufacturi ng Ovhd Variance	WIP Inventory	Inventory	Expected Cost
	T2_01	Ball bearing M	6												
405	Purchase	T00003		RESALE	07/20/22			-120.00						120.00	No
406	Purchase	T00003		RESALE	07/20/22			-140.00						140.00	No
407	Sale	T00004		RESALE	07/20/22	132.00								-132.00	No
408	Sale	T00004		RESALE	07/20/22	2.00								-2.00	No
			Inventory (Cost Posted to	9 G/L	134.00		-260.00						126.00	

Post inventory costs to general ledger

Tell me what you want to do	∠ ×
General ledger re	
Go to Pages and Tasks	
> G/L Budgets	Lists
> Job WIP Methods	Administration
> Job Post WIP to G/L	Tasks
Go to Reports and Analysis	Show all (4)
🗊 G/L Registers	Archive
Job WIP G/L Entries	Archive

\leftarrow	G/L Registers	Wor	rk Date	: 7/20/20)22					
	🔎 Search	Pro	cess	Report	Reverse	🚺 Open in Đ		\ ≡		
	No. 4	Creation Date		Creation Time User ID		Source Code	Journal Batch Name	From Entry No.	To Entry No.	
	<u>139</u>	÷	9/1/2	2021	4:41:39 PM	TEACHER	INVTPCOST		2843	2844
	138		9/1/2	2021	4:40:10 PM	TEACHER	INVTPCOST		2841	2842
	137		9/1/	2021	4:37:17 PM	TEACHER	INVTPCOST		2839	2840
	136		8/25	/2021	12:21:25 PM	TEACHER	SALES		2836	2838
	135		7/29	/2021	2:55:41 PM	TEACHER	PURCHASES		2833	2835
	13/		7/20	/2021	2:50:56 PM	TEACHED	DUDCHASES		2830	2832

\leftarrow	7190 Cost of Retail Sold Work Date: 7/20/2022																		
	General Ledger Entries	🔎 Search	🗊 E	dit List	Process	Entry	🚺 Open in Excel	More options											
	Views	×		×		Posting ↓	g Date	Docum Type	ent Document l	No. G/L Account No.	Description	Gen. Posting Type	Gen. Bus. Posting Group	Gen. Prod. Posting Group	Amount	Bal. Account Type	Bal. Account No.	Entry No. 🔻	External Document No.
	<u>^All</u>	57 :		7/20/2	2022		T00001	7191	Direct Cost on 07/20/22				-120.00	G/L Account		2840			
	Filter list by: × Ency No. 28392844		-	→ <u>7/20/2</u>	2022	÷	T00002	7190	Direct Cost on 07/20/22				-140.00	G/L Account		2844			
				7/20/2	2022		T00002	7190	Direct Cost on 07/20/22				260.00	G/L Account		2842			
					7/20/2	2022		T00002	2110	Direct Cost on 07/20/22				140.00	G/L Account		2843		
		~		7/20/2	2022		T00002	2110	Direct Cost on 07/20/22				-260.00	G/L Account		2841			
	+ Filter			7/20/2	2022		T00001	2110	Direct Cost on 07/20/22				120.00	G/L Account		2839			

