2004-106 - Part Costing

Overview:

OPTO has a mark-up and margin settings option, this feature allows for either markup or margin to be added to a Part.

Margin and mark-up explained:



NOTE: For this example, the Margin option is used.

Click on the "[2] Markup, Margin" box to tick, this enables the Margin option and **press** <**F9**> to save. (If the user required the Markup option, the tick box would be left blank).

		Parameters - PURCHASE	
General Print Ex	port Setup Auto Orde	r	
Purchase Defau Account Code: Tax Code: Unit Code: Currency: Freight Code: Surge Charge: Def Div: Update Material Windows: © No O Yes - Edit O Yes - Create: Alternate Deliver Place Alternate	Its EA EA EA FREIGHT FREIGHT FREIGHT Ketait Address 1: delivery address 1 in her	 [2] Currency [2] No Division , Division [2] Supplier Info [2] Select Active Material/Part ONLY [2] Warning for Stock Enter [2] Do Not update UOM2 Price [3] No Trans, Use Mat/Parts Inv Flag, all T [3] No Att , Alt-Pickup , Alt-Send To [3] Next Tab SubWc, Date Entered, Attenti [3] Next Tab SubWc, Date Entered, Attenti [3] Is-mail, Tick e-mail [2] If e-mail not Print Prieview 	 [3] No Add, Add Duty, Add Duty + Freight [2] Use Line Division [2] Add Emp Div [2] Add Part Code to Sub Cont Desc [2] Upd RFQ to Job/Tickets [2] Ugd RFQ to Job/Tickets [2] Use Rev in Pur Order rans [2] Edit Purch Freight Calc [2] Add Parts Material Kit [3] Don't check Supplier [2] Print Signature Picture [2] Markup, Margin [2] Special / Pricing [2] Sel Mat Cost (Pref,Last,Std,Part) [2] Inventory - Parts 'Yes' [2] Inventory - Material 'Yes' [2] Allow Ticket No with Qty = 0 [2] Material Delivery Qty = 0
Alternate Deliver Place Alternate	y Address 2: delivery address 2 in her	e	
Default Attachme	ent for Purchase Order:		12
Default Bo	dy for Purchase Order:		2

For this example, the preferred supplier calculation is being used. The company has decided that they need a 50% margin on material. A material code has been created called MAT2000, and the cost of that material from the preferred supplier is \$1.00

	Material		- • •
Material Code:	Material Description:		Rev: Date Entered: 🖉
MAT2000 -	A New Test Material		19/07/2018
Details Allocation History More	Info Purchase Quotes Used In Inv	oices Financial Hist Notes	
Active Inventory It	em 🔲 Actual Purchase in Multiple 🗌	Dummy Pre Order Emp:	1 - Robert JONES
Fill to Maximum Auto Order	Job Group Qty in Multiple	Web Site	Pur UoM 2
Material Group:	Born T: Multiple Length Wie	ith Weight: Surface: Volume: L	JoM 1: UoM 2: Thick Lead/T:
10 - Material Each	- 1.0000 1	1 1.500 .000 .000 E	ACH00 3
Supplier Code Sup Mat Coo BOBBEAR MAT2000	de Supplier Descrip A New Test Material	tion Date Price Uo 19/07/18	M 1 Price UoM 2 Price Pref. QPrf 1.0000 Yes Yes
Sub Material Group	Inventory	Purchasing	UOM Conversion Factor
· ·	On Hand:	Min Order: .0000	UoM2 > UoM1:
Spacing: Border:	Bin Location:	Max Level: .0000	Margin .00
Last Purchase Price	-	Safety Level: .0000	
\$1.0000 0%	-	Reorder Level: .0000	Sei Price
	Allocated: .0000	Stock Type:	Account Details
	Plan: 0000 0000	On Order0000	Purch Acc:
£1,0000 A C I		Self Street	
\$1.0000 Avg Price:		7.0.1.	Sales Acc

A workcenter is added called WC1, and it has a charge rate of \$90.00 per hour, a cost of \$10 per hour and an estimated cost of \$51.00 per hour (WC cost plus estimated employee cost).

	Work	center Det	ails - WC1	- • •
Code: De 100 V	escription: NC1			Short Desc: WC1
Charge (All): Charge (All): Charge (Setup): Charge (Setup): Charge (Special): Cost (Workcenter): Cost (Estimated):	ealth Safety Mo per min: 1.5000 (.0000 (.1666 (.8500 (per hour: 90.00 .00 10.00 51.00	d Text Laser Cut Notes QMS Workcenter Options Charge from Workcenter Non Productive Workcenter, Lear Consecutive Multi Jobs Do not Schedule Change Process status to 'Yes' Sub-Contract Only, Internal Only Days Lead Print Workcenter Jobs	Must Clock Off ve or RDO
Cost (Assisting): Workcenter Material Wastage (%) Group Workcenter a	.0000	.00 Wes	Non-Complete: Sete Per Cut (mm): QA-NCR Only DIFOT Exclude Print Label (Clock On Multi) or Web Change Job Process Completed	All: Acc Code

Now a part is created and called PART1000 and a quantity of 1 unit of MAT2000 is added to the build and 15 min of setup and 45 min of processing.

	Parts							
Part Code:	Part Description:	Finish: Date Entered:						
PART1000 -	 A New Part - Stainless Steel Assembly 							
Details Build Labour More Info Allocation History Used In								
Client Part No: PART1000	Unit: EACH - Grp: ASS -	Main Part Serial No						
Client Code:	Sub Grp:	✓ Is Active Locked						
		Not for Sale Stop PRD						
Drawing No: PART1000	Rev:	List Price Sample						
CNC File No:	Date:	Date: 17/06/2016						
Emp No: 4 🔻 Ian CAPT.	AIN C Rev Check	Sell Price: \$541.0000 G						
		Margini DDD						
✓ Inventory	Dummy Part 🗸 Kit							
Location: 👻	Safety Lev: 0 ReOrd: 0	Category Price						
C/On Hand: -1	Max Level: 0 Multi: 1							
Allocated: 0	🗌 Fill to Max 🛛 No 🔿 Kanban							
Client Orders: 0	Lead Time: 5 0 Critical: 6	Calc Cost: \$201.0000 • Pref						
Forecast: 0 T 0	On Order: 0 Weight: .250	Std Cost: \$.0000 Stand						
Available: -1	Planned: 0 T 0 Man Pur	Last Cost: \$201.0000 Part						
Used In: 0 Min Ord		Avr Cost: \$.0000 Disi-t- Dist						
Vin Ora:								

When the user clicks on the update button, the cost of the part will show a cost of 51.00 (material cost of 1 + 50 estimated workcenter cost = 51).

		Parts							
Part	t Code:	Part Description:					Finisł	n:	Date Entered:
P/	PART1000 A New Part - Stainless Steel Assembly							-	14/10/2010
Det	ails Build Labour More Info	Allocation History Used In							
									✓ Alt
Т	Build	Description	U	0	Length	Width	Qty	WC	Info
M	OPTO500	Round SS 24mm DIA x 6000mm	MTR				1.0000	30	
M	OPTO600	Round SS 65mm DIA x 6000mm	MTR				1.0000	30	
M	OPTO001111	Stainless Steel Joiner 50mm	EACH				10.0000	30	
т	Build	Description		Ø	Length	Width	Otv	WC	Info
i iii	MAT2000	A New Test Material	EACH	e	Longin	That	1 0000		
								()	

Click on the blue update button to the right of the sell price to calculate the price from the parts price breakdown which will use the material cost of \$1 plus the system mark-up (set-up in Parameters - MAIN = 100%) = \$2 plus the one hour of labour at the Workcenter charge rate of \$90 per hour, totals \$92.00 sell price. This is also the price that will be derived from updating the part on a quote... it is calculated in the quote though the price breakdown of the part.

Date:	26/10	/2017	8					
Sell Price:	\$92,000	.0000	€					
Margin:	99.94	RRP						
Category Price								
Calc Cost:	\$	Pref						
Std Cost:	\$	51.0000	⊚ Last ⊚ Stand					

1. The user can enter a sell price manually in the sell price field and it will be saved with the part. The user will use the calc cost button on the part to return the part sell price to 100% mark-up.

💷 Quote - <new entry<="" th=""><th>·></th><th></th><th></th><th></th><th></th><th></th><th></th><th>• ×</th></new>	·>							• ×
Quote No: <u>Client C</u>	lode:	Job Description:			📃 Contract P	rice	Multi: 📃	Update
5104 BADGE	R 🔽	A Quote for Badger Mining						€
Parts Sub Parts Mi	ore Info Material Group	WC Info Material Info Ex	tra Weight	: Attachme	ents			
Date Issued: Date	Valid: Date Required	l: Attention: 📃 Show C	ost 📃 Sh	ow Rev	Pref/Cost	🔘 Last	🔘 Std	🔘 Part
			-					
Emp No: 12 💌 🚺	Wendy WELLINGTON	SID 32 🔻 Div:	🝷 Cat:	• P	re Disc:	Days:		6
Project:				Markup: 1	.50	∋	3	3
Part Code	Des	ription	Qty 1	Each	Disc Disc	Each T	ах Q/T	J/T Lead
ASSB100	PART100 NSTK One Materia	I + WC	1	102.0000	.00] 10	2.0000	6 P 🔽	5

When adding the part to a quote, the user can see that the part has a sell price of \$102. If the user pushes the update button on the quote, this will calculate the sell price in the quote using the same method 2 on the previous page returning a sell price of \$92.00.

This gives the user a worksheet within the quote to audit and adjust the price breakdown of the part labour charge rate of \$90 from the workcenter (WC Info tab) and the material at the cost of \$1 (Material Info tab) plus a system mark-up of 100% (factor of 2.00)

💷 Quote - <new entry<="" th=""><th>'></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>×</th></new>	'>									×
Quote No: <u>Client C</u>	lode:	Job Description:				Con	tract Price	Multi	: 🔽 U	pdate
5104 BADGE	R 🔽	A Quote for Bac	dger Mining							Ð
Parts Sub Parts M	ore Info Material Group	WC Info Mate	<mark>rial Info</mark> Extra	Weight	: Attachn	nents				
Date Issued: Date	Valid: Date Required	I: Attention:	📃 Show Cos	t 👘 📃 Sh	ow Rev	Pref,	′Cost ₍ Cost	st 🔘	Std 📀	Part
				-						
Emp No: 12 🔫 🚺	Emp No: 12 Vendy WELLINGTON SID 32 Div: Cat: Pre Disc: Days:									
Project:					Markup:	1.50		>	9 <mark>1</mark>	÷
Part Code	Des	ription	()ty 1	Each	Disc	Disc Each	Tax	ол іл	Lead
ASSB100	PART100 NSTK One Materia	I + WC		1	102.0000	.00	102.0000	6 P	V	5

If the user was to change the default "Markup" to 1.00 on the quote and clicks on update again, the sell price becomes \$91 because the work centre rate is not changed only the material component of the quote.

