

## Profit & Loss Dashboard (ARC 6853)

### 1. Introduction

Test Tooling Solutions (TTS) wants to breakdown his Profit & Loss into Pin & Socket divisions. However, there is a product categorized as Test Contactor which consists of Pin & Socket. There is a need to identify the cost & revenue of Pin & Socket of Test Contactor.

To tackle this issue, TTS needs to keep a database table consisting of Pin price & cost at a certain date. To get the total revenue & cost of Pin from Test Contactor, we will retrieve the Quantity of Pin from BOM of Test Contactor and then multiply the quantity with Price & Cost of the Pin. The Socket Cost & Revenue are derived by subtracting the Revenue & Cost of Pin from Test Contactor with the Total Revenue & Cost of Test Contactor.

The Total Cost of Pin is the total cost of Pin sold individually plus the total cost of Pin from Test Contactor. The Total Cost of Socket is the total cost of Socket individually plus the total cost of Socket from Test Contactor. The same rule applies to the Total Revenue of Pin & Socket.

Customer is to update the Price of Pin on the Inventory Master. The Cost of Pin is based on the Moving Weighted Average Cost on the Inventory Master. A monthly process will run on the Task Scheduler to grab the Price & Cost of Pin from Inventory Master and store them in a custom table in the database.

There are a few additional categories besides Cost & Revenue to be shown in the Profit & Loss Report:

- Cost of Design
- Cost of Consumables
- Other Income
- General & Administrative
- Investing Income
- Tax Income

All the above categories will be retrieved from the GL Detail posted to the assigned GL Accounts. Customer assigns the GL Accounts for each categories defined above. For General & Administrative, customer assigns the breakdown percentage to be split between Pin and Socket.

Test Contactor product has Product Line of 'CA' to 'CZ'.

Socket product has Product Line of 'SA' to 'SZ'.

Pin product has Product Line of 'PA' to 'PZ'.

Other Product Lines product will be part of Socket Revenue & Cost.

### 2. Prerequisites

- Install Project 6853 from ARC

### 3. Installations

This project can be installed from ARC. The project number is 6853.

There are several new menu items:

1. Sales Analysis > View > Profit & Loss Dashboard (6853)  
Use: GAB\_6853\_PnL\_Dash.g2p
2. Sales Analysis > Administration > Profit & Loss Administration (6853)  
Use: GAB\_6853\_PnL\_Admin.g2u
3. Sales Analysis > Administration > Pin Price & Cost (6853)  
Use: GAB\_6853\_Pin\_Cost\_Price.g2u
4. Non-Menu Items > Task Scheduler > Monthly Run (1<sup>st</sup> day of each month)  
Use: GAB\_6853\_OLU.g2u

### 4. Configurations

Once the installation is completed, please do the following steps:

- A. Run Sales Analysis > Administration > Profit & Loss Administration (6853)  
This will create all the custom tables required by this Project.
- B. Need to run the Task Scheduler for retrieving the Pin Price & Cost from Inventory Master and stored them into the custom table.

### 5. Usage Procedures

- A. Sales Analysis > Administration > Profit & Loss Administration (6853)
  - ✓ Configure the General & Administrative Breakdown between Pin and Socket.  
Enter 70 inside the Socket field if 70% should go to Socket. The Pin breakdown is calculated automatically. Click Update to save the breakdown percentage.

**Category Administration (6853) (TTS)**

**G&A Breakdown**  
  

Socket   
 Pin

Update

**GL Account Assignment**  
  

Product

Category

**Category**  

	Product	Category
→	All	G&A
	Socket	Cost of Design
	Socket	Cost of Consumables
	Socket	Other Income
	Socket	Investing Income
	Socket	Tax Income
	Pin	Cost of Design
	Pin	Cost of Consumables
	Pin	Other Income
	Pin	Investing Income
	Pin	Tax Income

**GL Accounts**  

	GL Account	Description
→	671.1	Labor COP.Salary
	671.2	Labor COP.EmployerCo
	671.3	Labor COP.Staff Welfare
	671.4	Labor COP.Staff Trainin
	671.7	Labor COP.Contract Wa
	671.P	Employee Benefits Expe
	671.S	Employee Benefits Expe

- ✓ Assign GL Accounts for the categories under Pin and Socket
- Select the row under Category gridview. The GL Account Assignment will be updated according to the category selected. Then click GL Account browse button.

**Category Administration (6853) (TTS)**

**G&A Breakdown**  
  

Socket   
 Pin

Update

**GL Account Assignment**

Product   
 Category

GL Accounts

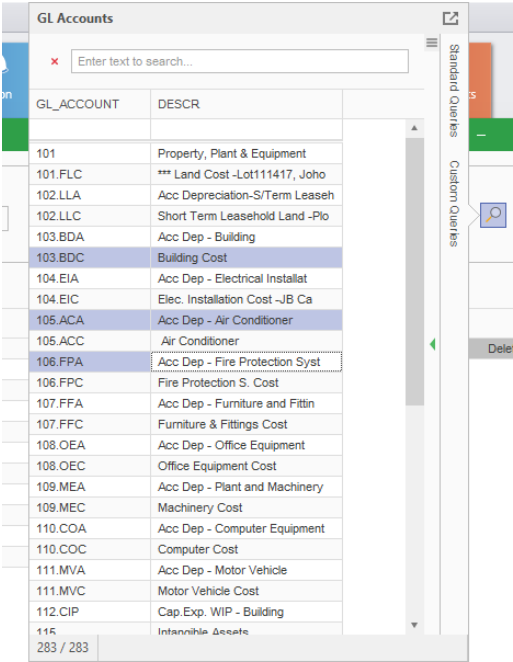
**Category**  

	Product	Category
→	All	G&A
1	Socket	Cost of Design
	Socket	Cost of Consumables
	Socket	Other Income
	Socket	Investing Income
	Socket	Tax Income
	Pin	Cost of Design
	Pin	Cost of Consumables
	Pin	Other Income
	Pin	Investing Income
	Pin	Tax Income

**GL Accounts**  

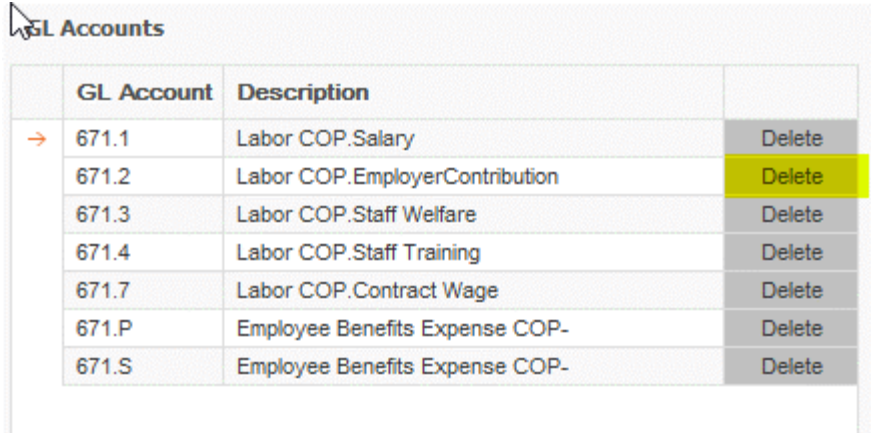
	GL Account	Description	
→	651.S	Cost of Design-Socket	Delete

Select multiple GL Accounts at once by holding CTRL keyboard button and mouse click on the GL Accounts. Once the GL Accounts are selected, press ENTER keyboard button to update the information.



GL_ACCOUNT	DESCR
101	Property, Plant & Equipment
101.FLC	*** Land Cost -Lot111417, Joho
102.LLA	Acc Depreciation-S/Term Leaseh
102.LLC	Short Term Leasehold Land -Plo
103.BDA	Acc Dep - Building
103.BDC	Building Cost
104.EIA	Acc Dep - Electrical Installat
104.EIC	Elec. Installation Cost -JB Ca
105.ACA	Acc Dep - Air Conditioner
105.ACC	Air Conditioner
106.FPA	Acc Dep - Fire Protection Syst
106.FPC	Fire Protection S. Cost
107.FFA	Acc Dep - Furniture and Fittin
107.FFC	Furniture & Fittings Cost
108.OEA	Acc Dep - Office Equipment
108.OEC	Office Equipment Cost
109.MEA	Acc Dep - Plant and Machinery
109.MEC	Machinery Cost
110.COA	Acc Dep - Computer Equipment
110.COC	Computer Cost
111.MVA	Acc Dep - Motor Vehicle
111.MVC	Motor Vehicle Cost
112.CIP	Cap. Exp. WIP - Building
115	Intangible Assets

The added GL Account can be removed by clicking on the delete button.



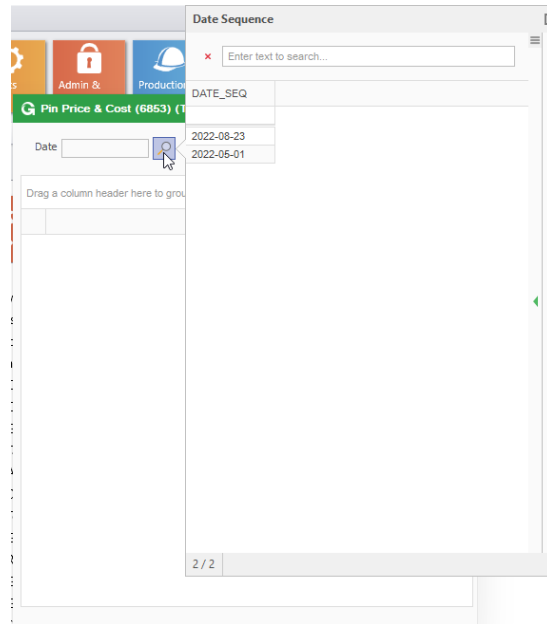
GL Account	Description	Delete
671.1	Labor COP.Salary	Delete
671.2	Labor COP.EmployerContribution	Delete
671.3	Labor COP.Staff Welfare	Delete
671.4	Labor COP.Staff Training	Delete
671.7	Labor COP.Contract Wage	Delete
671.P	Employee Benefits Expense COP-	Delete
671.S	Employee Benefits Expense COP-	Delete

B. Sales Analysis > Administration > Pin Price & Cost (6853)

This menu item allows you to:

- Edit Pin Price & Cost
- Mass Update/Upload Pin Price & Cost
- Export Pin Price & Cost to Excel

✓ Click Browse Date button to see the list of Pin Price & Cost Date Sequence



- ✓ Select one of the Date Sequences  
This will load the Pin Price & Cost created on that Date

Pin Price & Cost (6853) (TTS)			
Date		2022-08-23	
Part	Price	Cost	
→ B-027-0052WPN-D0	10.550000	3.640000	▲
B-031-0024WBA-D0	11.130000	3.350000	
B-038-0030WBM-D0	0.000000	1.690000	
C-056-0065WBA-D0	0.000000	3.210000	
D-009-0025WPA-D0	0.000000	0.000000	
D-009-0025WPA-D1	0.000000	0.000000	
D-011-0036WPA-D0	0.000000	9.090000	
D-011-0036WPA-D5	0.000000	12.051200	
D-011-0041WPN-D0	0.000000	5.860000	
D-012-0033WPN-D0	30.347680	6.529500	
D-012-0033WPN-D1	0.000000	5.809400	
D-014-0033WPA-D0	17.379340	3.926300	
D-014-0033WPA-D2	0.000000	3.008000	
D-014-0033WPN-D1	0.000000	5.380000	
D-014-0033WPN-D1(	0.000000	5.380000	
D-016-0065WPN-D0	0.000000	3.220000	
D-026-0065WBA-D0	0.000000	3.050000	

- ✓ Update the Price & Cost  
Entering the Price & Cost will update the information for that Pin.

Pin Price & Cost (6853) (TTS)

Date: 2022-08-23

Part	Price	Cost
→ B-027-0052WPN-D0	10.550000	3.640000
B-031-0024WBA-D0	11.130000	3.350000
B-038-0030WBM-D0	0.000000	1.690000
C-056-0065WBA-D0	0.000000	3.210000
D-009-0025WPA-D0	0.000000	0.000000
D-009-0025WPA-D1	0.000000	0.000000
D-011-0036WPA-D0	0.000000	9.090000
D-011-0036WPA-D5	0.000000	12.051200
D-011-0041WPN-D0	0.000000	5.860000
D-012-0033WPN-D0	30.347680	6.529500
D-012-0033WPN-D1	0.000000	5.809400
D-014-0033WPA-D0	17.379340	3.926300
D-014-0033WPA-D2	0.000000	3.008000
D-014-0033WPN-D1	0.000000	5.380000
D-014-0033WPN-D1(	0.000000	5.380000
D-016-0065WPN-D0	0.000000	3.220000
D-020-0055WBA-D0	0.000000	3.650000

- ✓ Click Export button

Export button allows you to export the Pin Price & Cost to Excel file.

Pin Price & Cost (6853) (TTS)

Date: 2022-08-23

Part	Price	Cost
→ B-027-0052WPN-D0	10.550000	3.640000
B-031-0024WBA-D0	11.130000	3.350000

- ✓ Click Import button

Import button allows you to mass update or upload Pin Price & Cost. Edit the Price & Cost on the Exported file. Then select that file to update/upload back to the database.

	A	B	C	D	E
1	Date	Part	Price	Cost	
2	2022-08-23	B-027-0052WPN-D0	10.550000	3.640000	
3	2022-08-23	B-031-0024WBA-D0	11.130000	3.350000	
4	2022-08-23	B-038-0030WBM-D0	0.000000	1.690000	
5	2022-08-23	C-056-0065WBA-D0	0.000000	3.210000	
6	2022-08-23	D-009-0025WPA-D0	0.000000	0.000000	
7	2022-08-23	D-009-0025WPA-D1	0.000000	0.000000	
8	2022-08-23	D-011-0036WPA-D0	0.000000	9.090000	
9	2022-08-23	D-011-0036WPA-D5	0.000000	12.051200	
10	2022-08-23	D-011-0041WPN-D0	0.000000	5.860000	
11	2022-08-23	D-012-0033WPN-D0	30.347680	6.529500	

Pin Price & Cost (6853) (TTS)				
Date		2022-08-23		
Part	Price	Cost		
→ B-027-0052WPN-D0	10.550000	3.640000		
B-031-0024WBA-D0	11.130000	3.350000		
B-038-0030WBM-D0	0.000000	1.690000		

### C. Sales Analysis > View > Profit & Loss Dashboard (6853)

This menu item generates the Profit & Loss Report for the entered date range.

- ✓ Enter the Date Range and click Run button

Profit & Loss Dashboard (6853) (TTS)			
Invoice Date		Global Shop s	
From	7/1/2022	To	7/31/2022
		Run	
Statement			

- ✓ Click Statement or Sales Invoice Detail View to switch between Statement & Sales Invoice Detail gridview

Profit & Loss Dashboard (6853) (TTS)

Invoice Date

From

7/1/2022

To

7/31/2022

...

Statement

	Description	Pin	Socket	Total
→	Sales	1,319,136.45	928,323.53	2,247,459.98
	COGS	-284,945.90	-239,625.66	-524,571.56
	Cost of Design	0.00	0.00	0.00
	Cost of Consumables	-564.00	0.00	-564.00
		-----	-----	-----
	Gross Profit	1,033,626.55	688,697.87	1,722,324.42
	Other Income	0.00	0.00	0.00
	G&A	-526.50	-1,228.50	-1,755.00
		-----	-----	-----
	Net Profit/Loss	1,033,100.05	687,469.37	1,720,569.42
	Investing Income	0.00	0.00	0.00
		-----	-----	-----
	Profit/Loss	1,033,100.05	687,469.37	1,720,569.42
	Tax Income	0.00	0.00	0.00
		-----	-----	-----
	Final Profit/Loss	1,033,100.05	687,469.37	1,720,569.42

View

Statement

Sales Invoice Detail

Profit & Loss Dashboard (6853) (TTS)

Global Shop SOLUTIONS

Invoice Date

From

7/1/2022

To

7/31/2022

Sales Invoice Detail

Drag a column header here to group by that column

	Part Number	PL	Description	Customer...	Customer Name	
→	T-026-0032WPN-D3	PA	STANDARD PROBE PIN	ARDUSB	Ardentec Singapore Pte. L...	
	T-026-0032WPN-D3	PA	STANDARD PROBE PIN	UNIUSA	United Test And Assembl...	
	D04257CR-D11	PA	STANDARD PROBE PIN	RENUSB	Renesas Electronics (PG...	
	T-033-0048SSM-D0	PB	KELVIN PROBE PIN	RENUSB	Renesas Electronics (PG...	
	TC090-L00-A001	CA	TC LTT6D1 6L LGA 2x2.5 P0.9	RENUSA	Renesas Electronics Ame...	
	HP1TLCD6	LG	HSL LTT6D1 6L LGA P0.9	RENUSA	Renesas Electronics Ame...	
	TC055-L00-A001	CA	TC LTV6D1 6L LGA 1.4x1.8 P...	RENUSA	Renesas Electronics Ame...	

View

Statement

Sales Invoice Detail