

Job Costing

Enables parts within jobs to be costed based on Material content (metal & ancillary items), Fabrication Time (machine and/or workshop) and Site Installation Time. Listed below are some of the extensive features.

Fabrication Times | Installation Times | Material Costs | Sections

Area and Weight Calculations Use

True Areas and Weights plus Wastage of (%)

Blank Sizes minus Excess Factor of (%)

Apply Adjustments to Straight Duct

Round Part Areas to Nearest (sq mm)

Minimum Part Area (sq mm)

Rated Costs

Use True Material Costs (No Rates)

Rate Costs by Area...

Rate Costs by Weight...

Cost Ancillaries Independantly of Rates

Include Ancillaries in Rates by Weight

Configuration | Materials | Notes

Material

Abbreviation

Density Units

Gauge	Wire G...	Cost (kg)
0.60	24	0.45
0.80	22	0.45
1.00	20	0.50
1.20	18	0.50
1.60	16	0.62
2.00	0	0.65
3.00	0	.70

Define exact costs for Material/Gauge

Area calculations can be based on the true part area or rectangular blank size with adjustment factors if required. The calculated Material Cost can be based on the 'true' area, or rated by area or weight.

Seams | Connectors | Stiffeners | Splitters | Airturns | Supports | Notches | Specifications | Ancillaries

Type of Ancillary

Description	Cost £/Qty	Weight (kg)/...	F time (mins)/...	E time (mins)/...
Anchor Bolt	1.85	0.00	2.00	5.00
M6x20				
M8x20				
M10x25				
Rivet				
Rod Hanger				
Splitter Pin				

Seams | Connectors | Stiffeners | Splitters | Airturns | Supports | Notches | Specifications | Ancillaries

Type of Ancillary

Description	Cost £...	Cost £...	Weig...	F time...	F time...	E time...	E time...	
F/B-30x3	0.00	0.00	0.00	1.00	1.00	0.00	0.00	✗
F/B-40x5	0.00	0.00	0.00	1.00	1.00	0.00	0.00	✗
I/S-HW-50x38	0.00	3.84	0.00	1.00	0.00	0.00	0.00	✗
I/S-PHN-50x38	0.00	2.84	0.00	1.00	0.00	0.00	0.00	✗
RSA-50x50x5	0.00	1.37	3.77	1.00	1.00	0.00	0.00	✗
RSA-60x60x6	0.00	1.72	4.74	1.00	1.00	0.00	0.00	✗
S/C 40x20x1.6	0.00	1.34	1.26	2.00	2.00	0.00	0.00	✗
S/C 40x40x1.6	0.00	1.80	1.65	2.00	2.00	0.00	0.00	✗

Create infinite price lists to cost all Ancillary Items i.e. Bolts, Flanging etc.

Fabrication Times | Installation Times | Material Costs | Sections

Table: Coil Straight

Breakpoints: Short Side <= (mm), Long Side <= (mm)

Table Units: (hrs)

Unit Cost: By Qty, By Length

Labour Rates: Skilled, Include if: Always

	100.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
100.00	0.80	0.90	1.00	1.14	1.24	1.34	1.44	1.50
300.00		1.00	1.10	1.20	1.28	1.39	1.56	1.60
400.00			1.23	1.30	1.32	1.42	1.64	1.72
500.00				1.40	1.42	1.51	1.72	1.82
600.00					1.50	1.60	1.75	1.91
700.00						1.61	1.82	2.00
800.00							1.90	2.10

- None
- Area <=
- Centreline Length <=
- Dim1 <=
- Dim2 <=
- Duct-End 1 Depth <=
- Duct-End 1 Width/Diameter <=
- Duct-End 2 Depth <=
- Duct-End 2 Width/Diameter <=
- Duct-End 3 Depth <=
- Duct-End 3 Width/Diameter <=
- Full Periphery <=
- Half Periphery <=
- Item Pattern Angle <=
- Long Side <=
- Periphery Diagonal <=
- Short Side <=
- Weight <=

An infinite number of Fabrication and Installation timetables can be created which in turn can be associated with the parts being manufactured. The tables are very flexible and can be configured to work on a variety of breakpoints i.e. Area, Long Side and Short Side etc. It is possible to define multiple Labour rates to allow for different skill levels, number of workers, site difficulty factors. The labour rates can then be linked to different operations and the fabrication/installation tables.

Fabrication Times | Installation Times | Material Costs | Sections

Sections: Section: First Floor, Index: 1, Colour: [dropdown]

Allow different Item Rates for different Sections:

Labour Rates:

Fabrication: Skilled = 10 £/(hrs)

Installation: Skilled = 15 £/(hrs)

Skilled dropdown menu: Skilled, High Skilled, Low Skilled, Skilled, Unskilled

The overall fabrication time can also include an estimate of the actually machining time. The time, and therefore cost, is based on accurate machine time calculations that vary with material type, thickness, etc.

Machining Fabrication Time Options

Include calculated Machining Time in Fabrication Times

Labour Rates: Skilled

Use Default Machine's Tool and Traverse Feed Rates

Specify Feed Rates: (mm)/(mins)

Traverse Rate: 0.00, Tooling Rate: 0.00

PM2000 [Costed Production] - [Item Folders]

File Utilities Page View Window Help

Goto CID

Item Folders

- Patterns
 - JCM
 - Oval
 - Rectangular
 - Round
 - Standard Parts

Straight (Cut) Straight (Coil) Spigot Cap End Shoe

Radius Bend Reducing Bend **Square Bend** Elbow Cap End(Alt)

Takeoff - Square Bend

S1=PITTS-

C1=DM-25

A

D

C2=DM-25

C

B

Dimensions Options Item Connectors

	Dimension	Value
A	Top Width	500.00
B	Depth	400.00
C	Btm Width	600.00
D	Top Extension	100.00
E	Bottom Extension	100.00

PM2000 [Costed Production] - [Contents]

File Utilities View Window Help

Items Nests

Item No	Description	Material	E-Table	F-Table	Qty	Cost
1	Square to Round (...)	GALVANISED x 0.80	Square to Round	Square to Rounds	1	34.65
2	Radius Bend	GALVANISED x 0.80	Square Bend	90 Radius Bend	1	46.99
3	Square Bend	GALVANISED x 0.80	Square Bend	90 Square bend	1	67.13
4	Straight (Coil)	GALVANISED x 0.80	Straights (Pat 1,35)	Straight Coil (Pat-35)	1	52.31

Once the production/costing information has been added to the software, the Items are entered as if you were creating a standard job. No special allowances need to be made for the costing system. Parts are selected, from the extensive pattern library, and their dimensions entered. Once accepted the parts appear costed in the Contents window.

The cost of each Item or the total Job can be displayed on a fully customisable screen menu.

Job Information
?
X

Summary
General
Details

Totals

Qty 4

Area 7.27 (sq m)

Weight 56.98 (kg)

Total Cost £201.09

F time (hrs) 4:42:56 (hrs)

E time (hrs) 4:20:31 (hrs)

Customize

Or printed as a report, from the integrated report generator.


Delivery Note (Costed)

29/05/2001
Page: 1

Project:
Job: Costed Production
Ref:

From: Your Company Name
 Your Address L1
 L2
 L3

To: Cust Company Name
 Cust Address L1
 L2
 L3



Item No	Description	Material		Qty	£ per
1	Square to Round (Symmetrical)	GALV	0.80	1	28.88
2	Radius Bend	GALV	0.80	1	39.16
3	Square Bend	GALV	0.80	1	55.95
					29.06


Summary Sheet

29/05/2001
Page: 1

Project:
Job: Costed Production
Ref:

From: Your Company Name
 Your Address L1
 L2
 L3

To: Cust Company Name
 Cust Address L1
 L2
 L3



Material	Area (sq m)	Weight (kg)				£Cost	
GALV 0.80	7.27	46.60				27.82	
					27.82		
Airtums		Vane Len (m)	Track Len (m)				£Cost
Single Skin		3.57	2.78				3.53
					3.53		
Connectors	Qty	F time	Length	Corners	Bolts	Clips	£Cost
DM-25	7	1:36:46	12.25	28	14	14	17.85
					17.85		
Supports	Qty	Bearer Len (m)	Support Len (m)				Supports
CH-40x20x1.6	1	0.80	1.80				6.09
Total Fab time		Install time					
4:42:56		4:20:31					
Cut Type	Total CL Length (m)						
Machine Cut	2						
Decoiled Straight	2						

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