

July 2005 Edition

Prospec Systems Limited



New Modules:

new s l e t t e r

Bill of Tools & Tool Definitions

Bill of Tools & Tool Definitions modules released with PSL DATATRACK v3.4.

Designed at customer request to help control high monthly spend on mainly consumable tools.

Also as an aid to rapid machine setting, loading and kitting of tools for scheduled component manufacture.

Future interaction with automatic tool dispensers is envisaged.

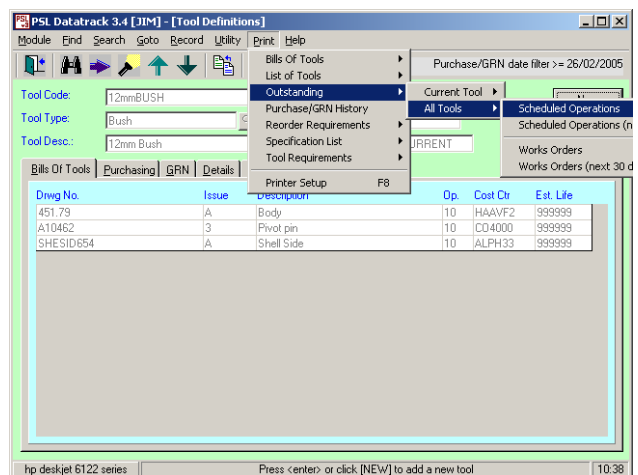
Designed to enable:

- ▶ Management of Tools
- ▶ Production of Setting Sheets
- ▶ Acquisition of tools
- ▶ Maintenance of Tool inventory
- ▶ Pre-kitting of work pieces
- ▶ Effective use of capacity
- ▶ Cost efficient tool purchasing

Tool Definitions

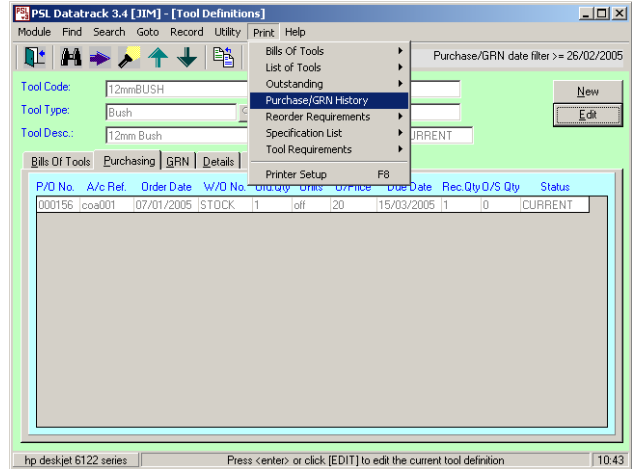
The Tool Definitions module is designed to define the tooling available, where sourced, when received and how many are in stock. The Tool Definition 'header' defines the tool specification. This includes code, type, description, qty (including minimum qty), whether durable or consumable, valuation price, storage location and size together with preferred supplier details.

Stock quantities are maintained manually (an automatic system is envisaged for a future upgrade). The stock system, when compared to the Tools Required report from Works Orders, notifies whether an adequate number of tools are available or whether a purchase should be made.



Tool Definitions – automatically records every work piece using a defined tool and lists all future and re-order requirements.

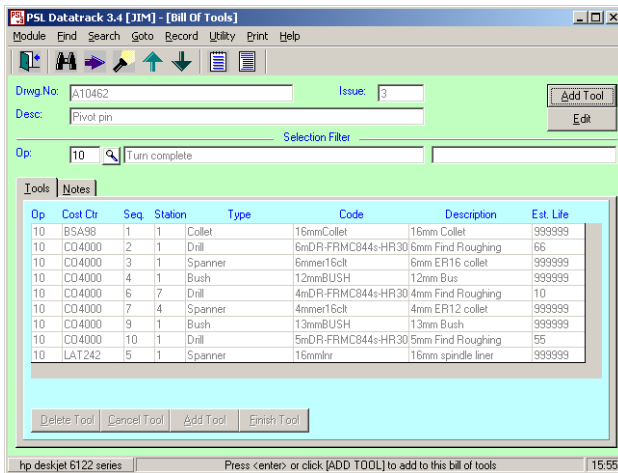
Tools can be defined within the 'Tool Definitions' module prior to defining a BOT, at which point they will be available to select from a list. Any tools not pre-defined can be typed into a BOT and are then automatically saved to the 'Tool Definitions' module when the BOT item is saved. Tools MUST be defined prior to placing purchase orders at which point they can be ordered against either a works order or for stock and will be available for selection from a list.



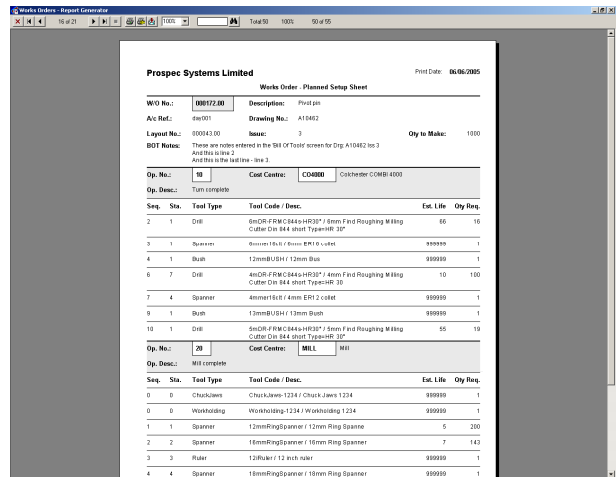
Interacts with Purchase Order Processing to give a complete history of tool purchases and receipts

Bill of Tools

The Bill of Tools (BOT) module is used to define and manage the tools required for any given operation of a drawing/issue. The module is controlled by drawing/issue in the header and is not quotation or process layout specific. This enables quotations for the same component in different batch sizes to use the same tooling list. Multiple tools can be defined for each operation and a variation of cost centres for each operation so that if a works order is moved from a planned to an alternative cost centre, the relevant tool list can be automatically produced.

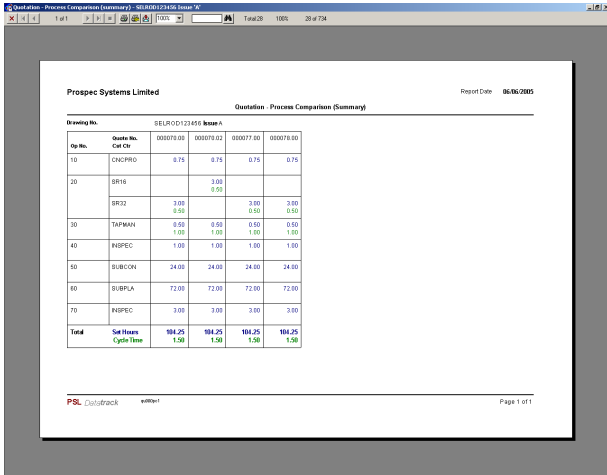


Bill of Tools



Bill of Tools – resulting machine setting sheet based upon either estimated process or scheduled process.

Bill of Tools also contains a Process Comparison report providing a summary or detailed comparison of all versions of a manufacturing process by Drawing Number and Issue Number.

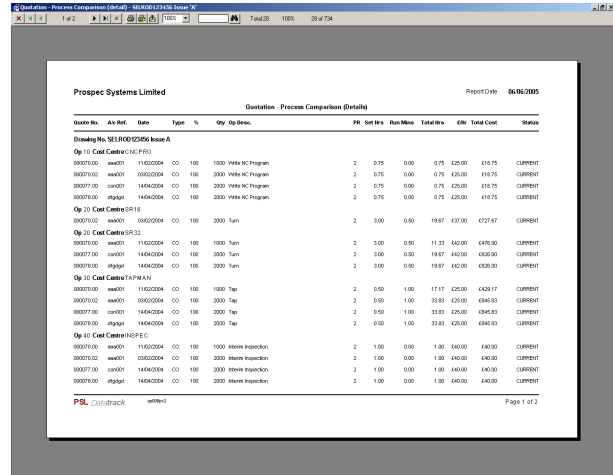


Prospec Systems Limited
Quotation - Process Comparison (Summary)
Report Date: 06/06/2005

Drawing No.	Quota No.	000070.00	000070.01	000077.00	000078.00
10	ENCPRD	0.75	0.75	0.75	0.75
20	BR16		3.00		
	BR32	3.00		3.00	3.00
		0.50		0.50	0.50
30	TAPMAN	0.50	0.50	0.50	0.50
		1.00		1.00	1.00
40	INSPEC	1.00	1.00	1.00	1.00
50	SUBCORD	24.00	24.00	24.00	24.00
60	SUBPLA	72.00	72.00	72.00	72.00
70	INSPEC	3.00	3.00	3.00	3.00
Total	Set Hours	184.25	184.25	184.25	184.25
	Cycle Time	1.50	1.50	1.50	1.50

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Process Comparison - summary



Prospec Systems Limited
Quotation - Process Comparison (Details)
Report Date: 06/06/2005

Quota No.	As Ref.	Date	Type	%	Qty	Op Desc.	PR	Set Hrs	Run Mins	Total Hrs	4HR	Total Cost	Status
Drawing No. SE1800022456 Issue A													
Op 10: Cell Centre 7 NC PRD													
000070.00	xxxx01	11/02/04	00	100	1000	Welds NC Program	2	0.75	0.00	0.75	0.00	418.75	CURRENT
000070.02	xxxx01	05/02/04	00	100	2000	Welds NC Program	2	0.75	0.00	0.75	0.00	418.75	CURRENT
000077.00	xxxx01	14/04/04	00	100	2000	Welds NC Program	2	0.75	0.00	0.75	0.00	418.75	CURRENT
000078.00	xygaf1	14/04/04	00	100	2000	Welds NC Program	2	0.75	0.00	0.75	0.00	418.75	CURRENT
Op 20: Cell Centre 018													
000070.02	xxxx01	05/02/04	00	100	2000	Turn	2	3.00	0.00	19.87	0.00	472.87	CURRENT
Op 20: Cell Centre 012													
000070.00	xxxx01	11/02/04	00	100	1000	Turn	2	3.00	0.00	11.33	0.00	449.00	CURRENT
000077.00	xxxx01	14/04/04	00	100	2000	Turn	2	3.00	0.00	14.87	0.00	458.00	CURRENT
000078.00	xygaf1	14/04/04	00	100	2000	Turn	2	3.00	0.00	19.87	0.00	458.00	CURRENT
Op 20: Cell Centre 1A P6A1A													
000070.00	xxxx01	11/02/04	00	100	1000	Tap	2	0.50	1.00	17.17	0.00	452.17	CURRENT
000070.02	xxxx01	05/02/04	00	100	2000	Tap	2	0.50	1.00	33.83	0.00	485.83	CURRENT
000077.00	xxxx01	14/04/04	00	100	2000	Tap	2	0.50	1.00	33.83	0.00	485.83	CURRENT
000078.00	xygaf1	14/04/04	00	100	2000	Tap	2	0.50	1.00	33.83	0.00	485.83	CURRENT
Op 40: Cell Centre 8NFPEC													
000070.00	xxxx01	11/02/04	00	100	1000	Welds Inspection	2	1.00	0.00	1.00	0.00	440.00	CURRENT
000070.02	xxxx01	05/02/04	00	100	2000	Welds Inspection	2	1.00	0.00	1.00	0.00	440.00	CURRENT
000077.00	xxxx01	14/04/04	00	100	2000	Welds Inspection	2	1.00	0.00	1.00	0.00	440.00	CURRENT
000078.00	xygaf1	14/04/04	00	100	2000	Welds Inspection	2	1.00	0.00	1.00	0.00	440.00	CURRENT

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Process Comparison - details

These reports allow quick decisions about the sometimes necessary re-routing of production in order to make the best possible use of capacity.

If you would like more information about Tool Definitions and Bill of Tools Contact:
PSL DATATRACK Sales on 08700 118242 or email sales@psl-datatrack.com