

MACHINING REPORT
Milling report generated by AnnM on 7/1/2011 1:05 PM.

Part Name: Milling Example

ESPRIT File Path: C:\Users\annmi\E2011\Documents\... \ReportGeneratorFiles\Milling Example.esp

NC Program Number: 1.000
Name: Index Milling
Unit: Metric

Overall Cycle Time: 00:12:49

Material Class: -
Condition: -

Comment: -

OP #	OPERATION	TOOL#	TOOL	SPEED RPM/SPM	FEED (XY/Z)	WORK COORD. ANGLES	NC COMP TIME	CYCLE TIME	COMMENT
31	CONTOUR - BACK FACE	1.000	50mm FM	802.000 128.000	384.980 256.840	G54 (90.000,90.000)	0.000	00:05:25	-
32	CONTOUR - BACK ANGLE	1.000	50mm FM						
33	FACE CORNER	1.000	50mm FM						
37	CORNER POCKET RGH AND FIN	2.000	8mm EM						
38	BACK POCKET RGH AND FIN	2.000	8mm EM						

TOOL LIST

T 1.000 - 50mm FM
Comment: tool comment for 50 mm face mill

Tool Diameter	50.000	Tool Material	Carbide, Indexable, Coated
Holder Diameter	45.000	Coolant	Flood
Overall Length	140.000	Spindle Direction	CW
Tool Length	50.000	Length Comp Register	1.000
Shank Diameter	40.000	Axis Orientation	Z -
Cutting Length	1.500		-
Number Of Inserts	4.000		-

T 2.000 - 8mm EM
Comment: tool comment for 8 mm end mill

Tool Diameter	8.000	Tool Material	High Speed Steel, Solid, Uncoated
Holder Diameter	33.000	Coolant	On Through Spindle
Overall Length	140.000	Spindle Direction	CW
Tool Length	74.000	Length Comp Register	2.000
Shank Diameter	8.000	Axis Orientation	Z +
Cutting Length	10.000		-
Number Of Flutes	2.000		-

T 3.000 - 6mm EM
Comment: tool comment for 6 mm end mill

Tool Diameter	6.000	Tool Material	High Speed Steel, Solid, Uncoated
Holder Diameter	25.000	Coolant	Off
Overall Length	80.000	Spindle Direction	CW
Tool Length	40.000	Length Comp Register	3.000

OPERATION DETAILS

OP 36 : BACK POCKET RGH AND FIN SMM

Op Type	-
Work Coordinate	G54
Primary Angle	90.000
Secondary Angle	90.000
Cycle Time	00:01:10
Rapid length	797.200
Feed Length	1273.965

T 2.000 - 8mm EM

Tool Style	End Mill
Orientation	Z -
Tool Material	High Speed Steel, Solid, Uncoated
Spindle Direction	CW
Coolant	On Through Spindle
Length Comp Register	2.000

TOOL DETAILS

T 2.000 - 8mm EM
Comment: tool comment for 8 mm end mill

Tool Diameter	8.000	Tool Material	High Speed Steel, Solid, Uncoated
Holder Diameter	33.000	Coolant	On Through Spindle
Overall Length	140.000	Spindle Direction	CW
Tool Length	74.000	Length Comp Register	2.000
Shank Diameter	8.000	Axis Orientation	Z +
Cutting Length	10.000		-
Number Of Flutes	2.000		-

ESPRIT Report Generator

A machining report is an effective way to increase efficiency and reduce errors on the shop floor with little cost involved.

Machining reports clearly communicate to the shop floor the processes, cutting tools, workpiece data and machine set-up required to produce parts.

The ESPRIT Report Generator automatically generates HTML and PDF reports that include easy-to-read lists of all operations and cutting tools in an ESPRIT document.

The Report Generator option in ESPRIT comes with a set of standard report templates that can be fully customized by the user.

5 Preformatted Standard Reports

Standard and detailed reports are available that provide the machining details an operator needs to correctly set up a machine and perform the required machining operations.

5 different formats are available:

- EDM report: Outputs the operation list of all wire EDM operations
- Milling_Detailed and Turning_Detailed: Outputs the operation list, tool list, and details on individual operations and tools
- Milling_Summary and Turning_Summary: Outputs the operation list only

Report Options

A full set of report options lets the user choose whether to create HTML reports, PDF reports, or both. The user can also control the folders where reports and templates are stored.

Graphical Details

When generating the report, ESPRIT takes pictures of the part, the simulation at each stage of the machining process, the tools and, optionally, tool holders. These pictures can then be used anywhere in the report for an easy graphical reference.

The most powerful *CAM software* ever.

Customized Reports

For manufacturing environments that need more complex, detailed, or differently formatted reports, ESPRIT makes it easy to create your own custom reports.

Report templates are in HTML format, which can be edited in any commonly available text editor or web design software.

The user can control exactly how much or how little machining data is included in each report through an extensive list of ESPRIT keywords and data pulled directly from the operations and cutting tools in the ESPRIT document.

The user can also control the layout and formatting of the report and add custom images such as the company logo.

A 21-page guide to report customizations is available on ESPRITWeb (www.dpotechnology.com/ew/), the central on-line point for the ESPRIT community. To learn more, download bulletin #4155 "[Customizing the ESPRIT Report Generator](#)" (an ESPRITWeb login is required).


*Create as many custom reports as you need
and include as much detail as you like*

*A custom report can be as simple as listing details about
the stock material and the cutting tools*






Stock and Tool Report - Milling Example

Date: 7/1/2011 3:38 PM.

Stock Details

Stock:	Stock: Block Dimensions: 120L x 75W x 80H Touch-Off: -60, -37.5, 0	
Material Class:	ALLOY STEELS, CAST - Low Carbon 150-200 HB - ANNEALED, NORMALIZED OR NORMALIZED	
Condition:	AND TEMPERED	
NC Program Number:	1.000	
Machine:	Index Mill	
Unit:	Metric	

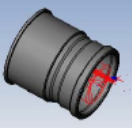
Tool Details

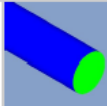
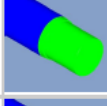
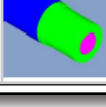
OP #	OPERATION	Tool #	Tool Name	Tool
31	CONTOUR - BACK FACE	1.000	50mm FM	
32	CONTOUR - BACK ANGLE	1.000	50mm FM	
		1.000	50mm FM	
	RGH AND FIN	2.000	8mm EM	
	H AND FIN 6MM	2.000	8mm EM	

Turning Report - Generic Lathe

Date: 7/1/2011 4:09 PM.

Part Name: Turning Example

NC Program Number:	1234.0000	Stock Type:	0	
Name:	CLASS PART	Diameter:	2.0000	
Unit:	Inch	Length(Part/Total):	1.9626/6.0000	
Overall Cycle Time:	00:00:59	Machine Name:	Generic Lathe	
Material Class:	ALUMINUM ALLOYS, WROUGHT - 30-80 HB 500kg - COLD DRAWN			

ORDER	OPERATION(OP#)	SPINDLE#	TURRET#	STATION#	TOOL#	TOOL	SPEED	FEED	NC	CYCLE	Stock
			HEAD#	TOOL#	ORIENT.		RPM/SPM	UNIT	COMP	TIME	
1	FRONT FACE ROUGH(OP 11)	1.0000	-	S 1.0000 T 1.0000 3V	55DEG TURN		2500.0000 1309.0000	25.0000 0.0100	No	00:00:03	
2	OD ROUGH(OP 2)	1.0000	-	S 1.0000 T 1.0000 3V	55DEG TURN		2500.0000 1309.0000	25.0000 0.0100	No	00:00:12	
3	ID DRILL(OP 10)	1.0000	-	S 3.0000 T 3.0000 -	1IN DRILL		0.0000 0.0000	0.0000 0.0000	-	00:00:03	



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