

Select the "View / Download Options for All Reports" PDF for additional information.

The Varco Setup Sheet is launched exactly the same way as the Setup Sheets installed with Mastercam:

Setup Sheet

General Information

Project: Sample Varco Setup Sheet

Customer: Varco Reporting

Programmer: Jim Varco

Drawing:

Revision:

Note 1:

Note 2:

Note 3:

Images

Use color

The current graphic screen image will be captured as a drawing reference when you select OK.

Clean...

View of Operation

Operation's WCS

Operation's Tplane

Isometric relative to operation's WCS

Isometric (WORLD)

Graphics view

Tool Sorting

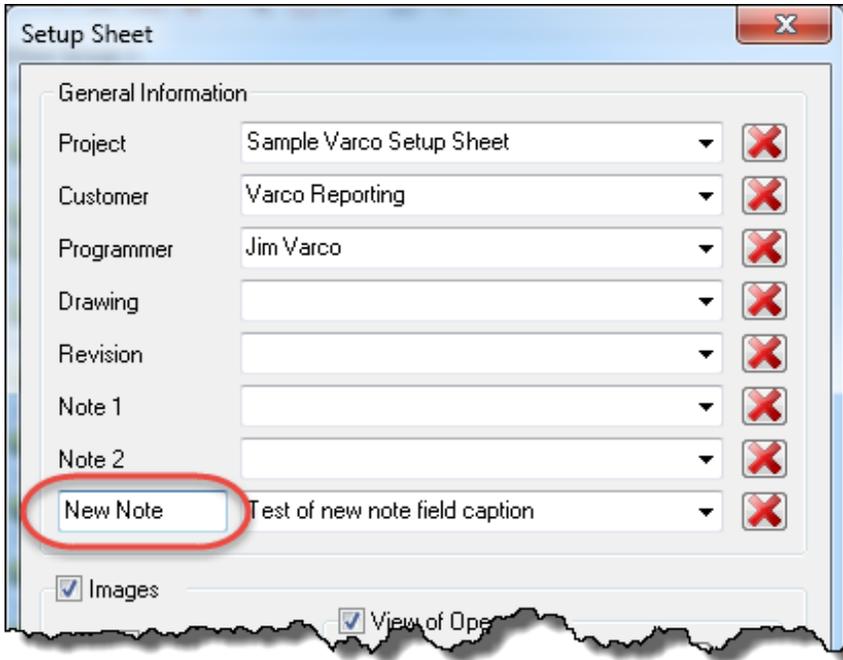
Default  Ascending  Descending  None

Report Templates (Press F2 to reassign)

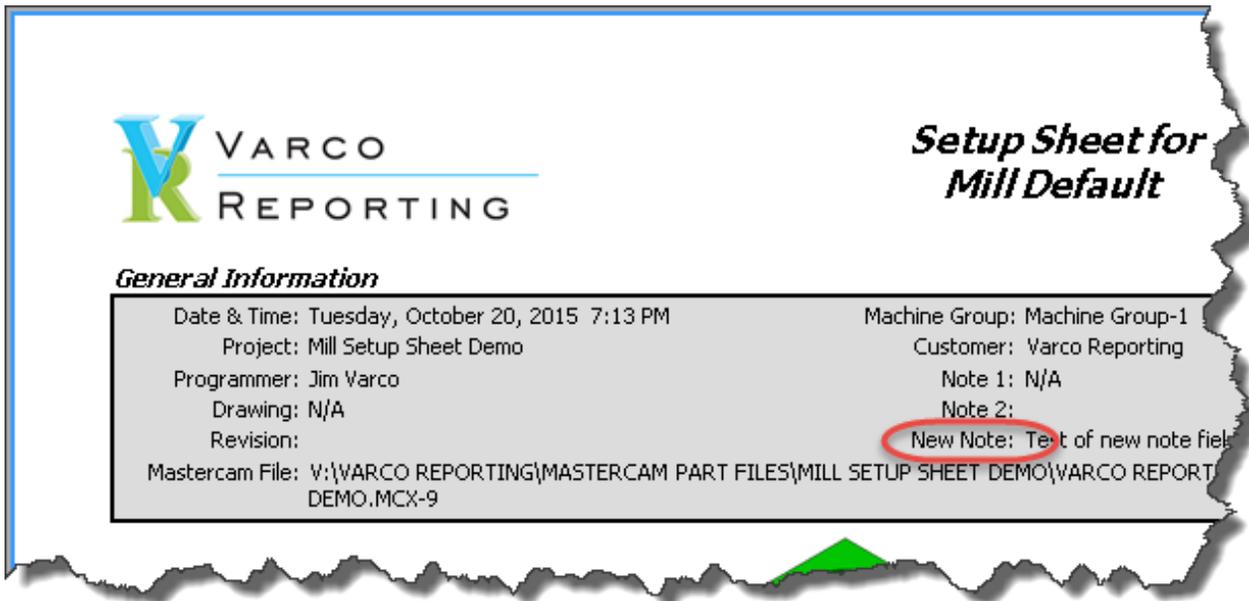
MILL DEFAULT | varco reporting setup sheet

Camera icon, Green checkmark, Red X, Question mark

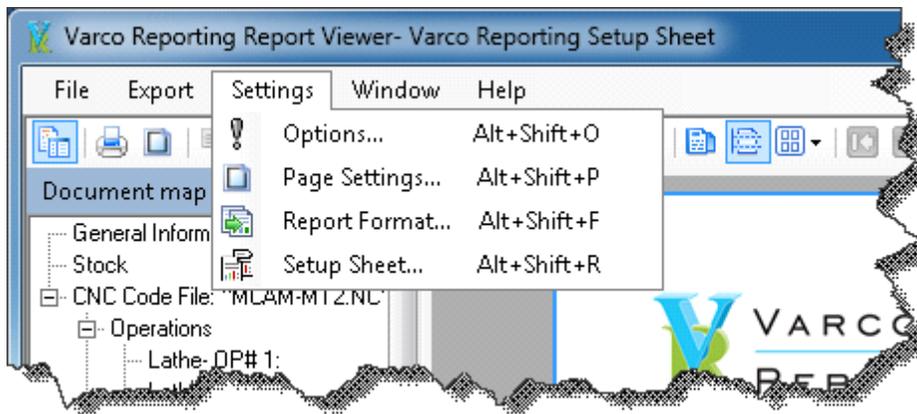
If the General Information field captions on the Setup Sheet dialog have been changed:



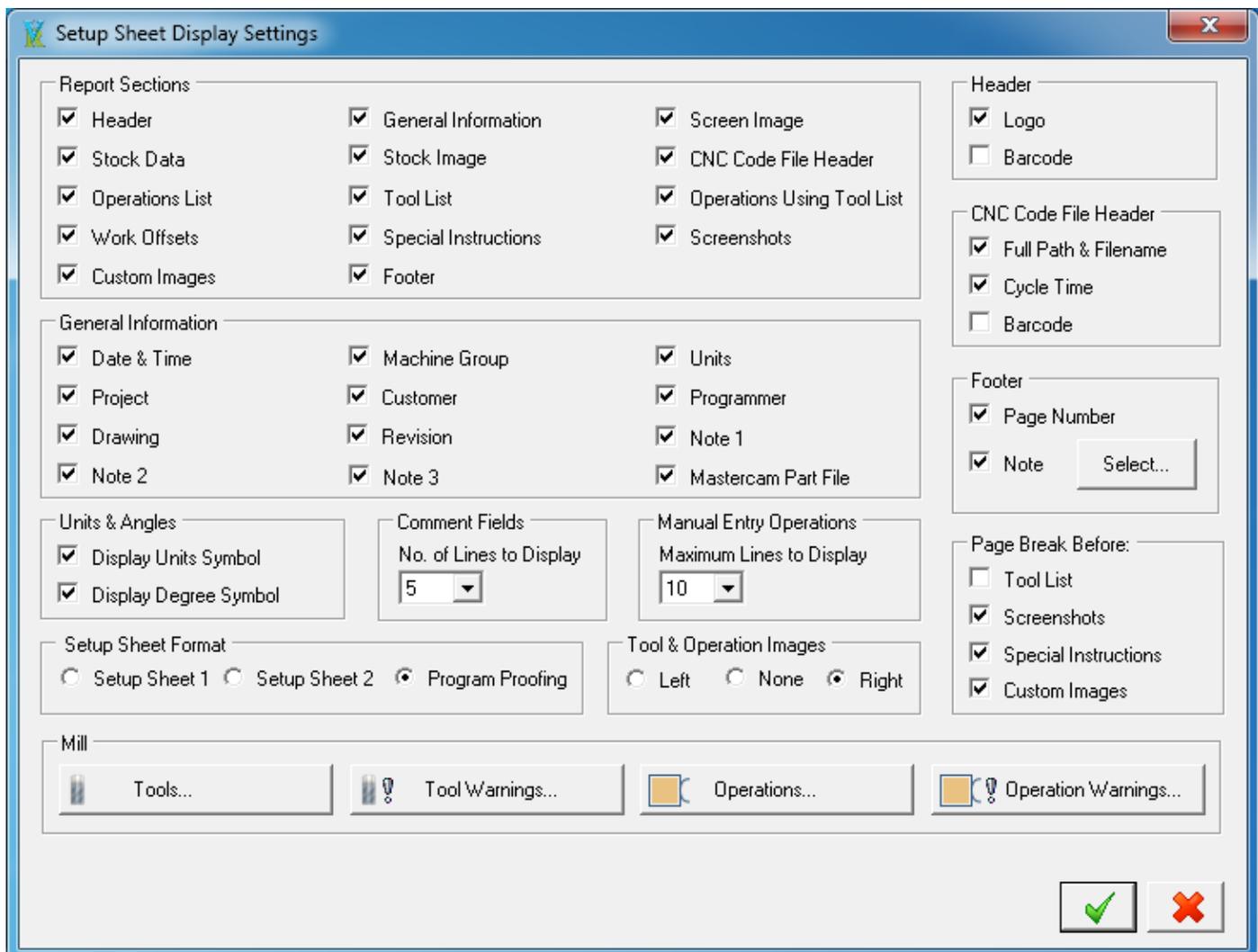
The changes carry over to the Setup Sheet:



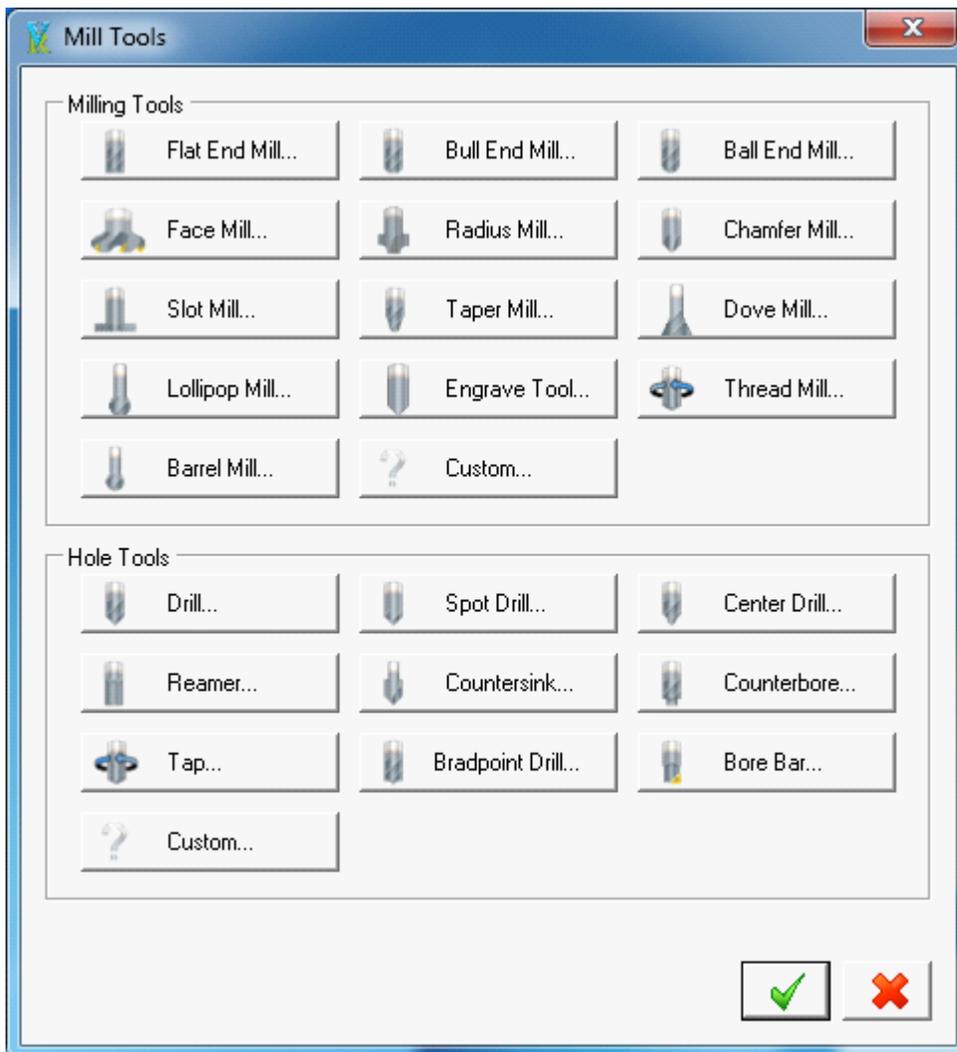
The following screenshots are from dialogs available from the Viewer Settings menu:



The "Setup Sheet" dialog provide options to configure the report to display the way the user wants it to. Numerous checkboxes allow the user to enable or disable all aspects of the displayed report. Options to limit the number of lines used by comment fields and Manual Entry operations are available. The buttons on the lower part of the dialog for tools and operations vary depending on the type of machine. Images can be set to display on the left, right, or not at all. Note that the customized General Information caption is displayed on the dialog:



The following screenshot is of the dialog displayed if the "Tools..." button is clicked. Listed are all of the types of tools available. The list varies depending on the version of Mastercam, shown is for version X9:





Clicking on any of the buttons displays a dialog where a different field can be selected for display on the Setup Sheet. All of the data from Mastercam that is available to be displayed can be selected. Only fields available in the version of Mastercam being used are available:

Field Select (85 available)

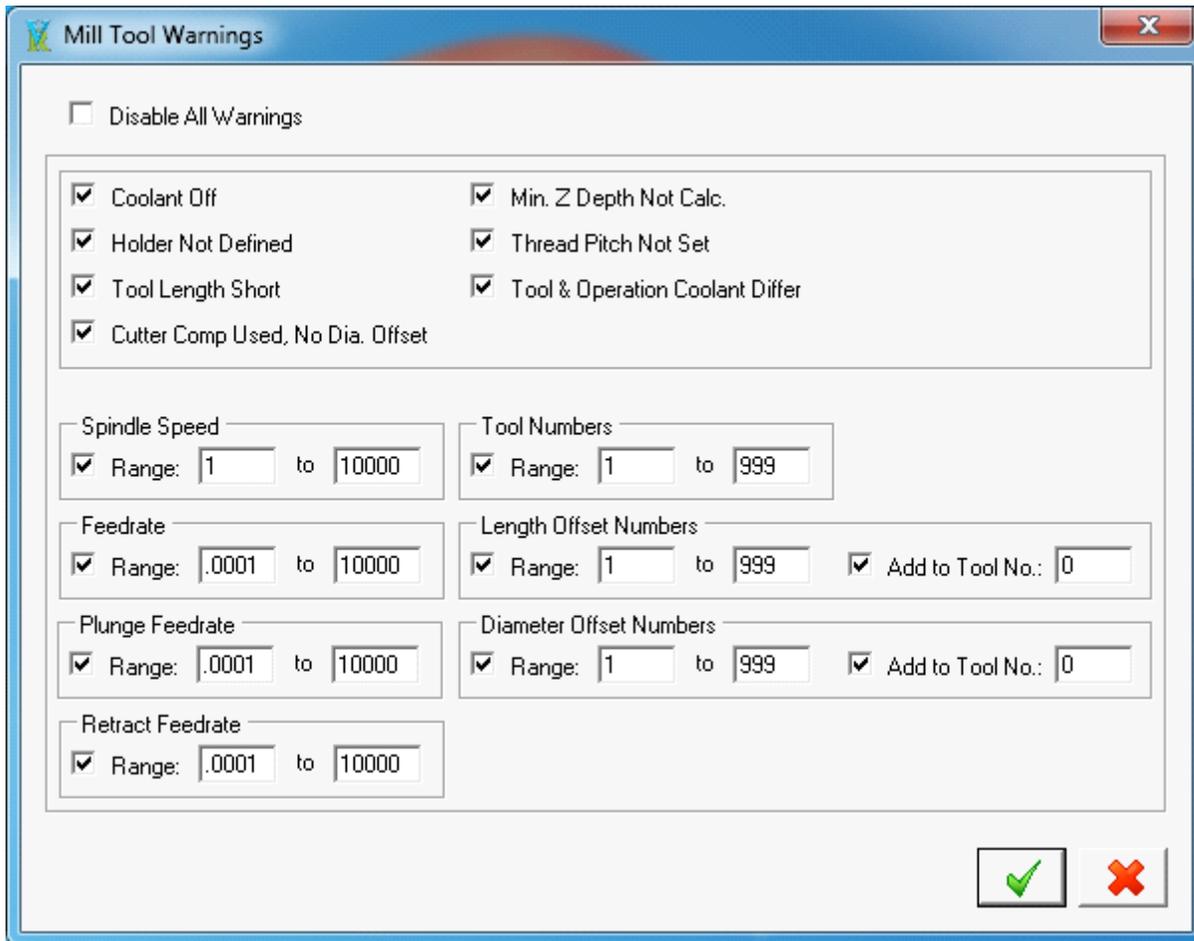
Field	Description
Threads/Pitch	Threads per inch or pitch (if tap)
Threads/Pitch	Threads per inch or pitch (if tap)
Tip Angle	Tip angle of tool (in degrees)
Tip Angle	Tip angle of tool (in degrees)
Tip Diameter	Tip diameter (Chamfer/Face/Engrave)
Tool Geo. File	Tool geometry file
Tool Type	Tool type (Drill/Tap/Etc)
Tool Type	Tool type (Drill/Tap/Etc), formatted for readability
Tool Type	Tool type (Drill/Tap/Etc), formatted for readability
Turret	Active turret (Left/Right)
Units	Metric tool (y/n)

Field Types

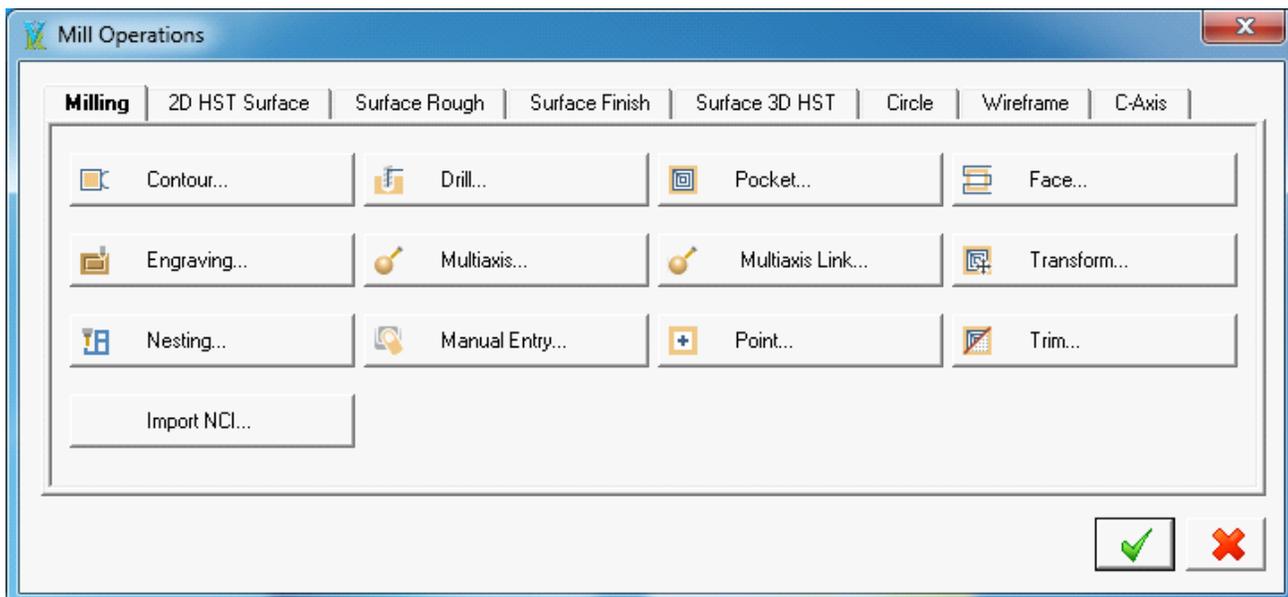
Tool     OTI

This field changes the internal Mastercam tool type to a more readable format, as an example the Mastercam tool type "Endmill2 Sphere" is displayed as "Ball Endmill", and a small image of the tool type is displayed to the left. This is a wide field that spans two columns, the row position in the column to the right will be left empty to clear it. It is not recommended that this field be used in the rightmost column, if it is it

From the "Setup Sheet" dialog tests can be selected to warn the programmer of possible problems that may need to be addressed before the code is sent to the CNC machine. Shown is the dialog for Mill Tool Warnings:

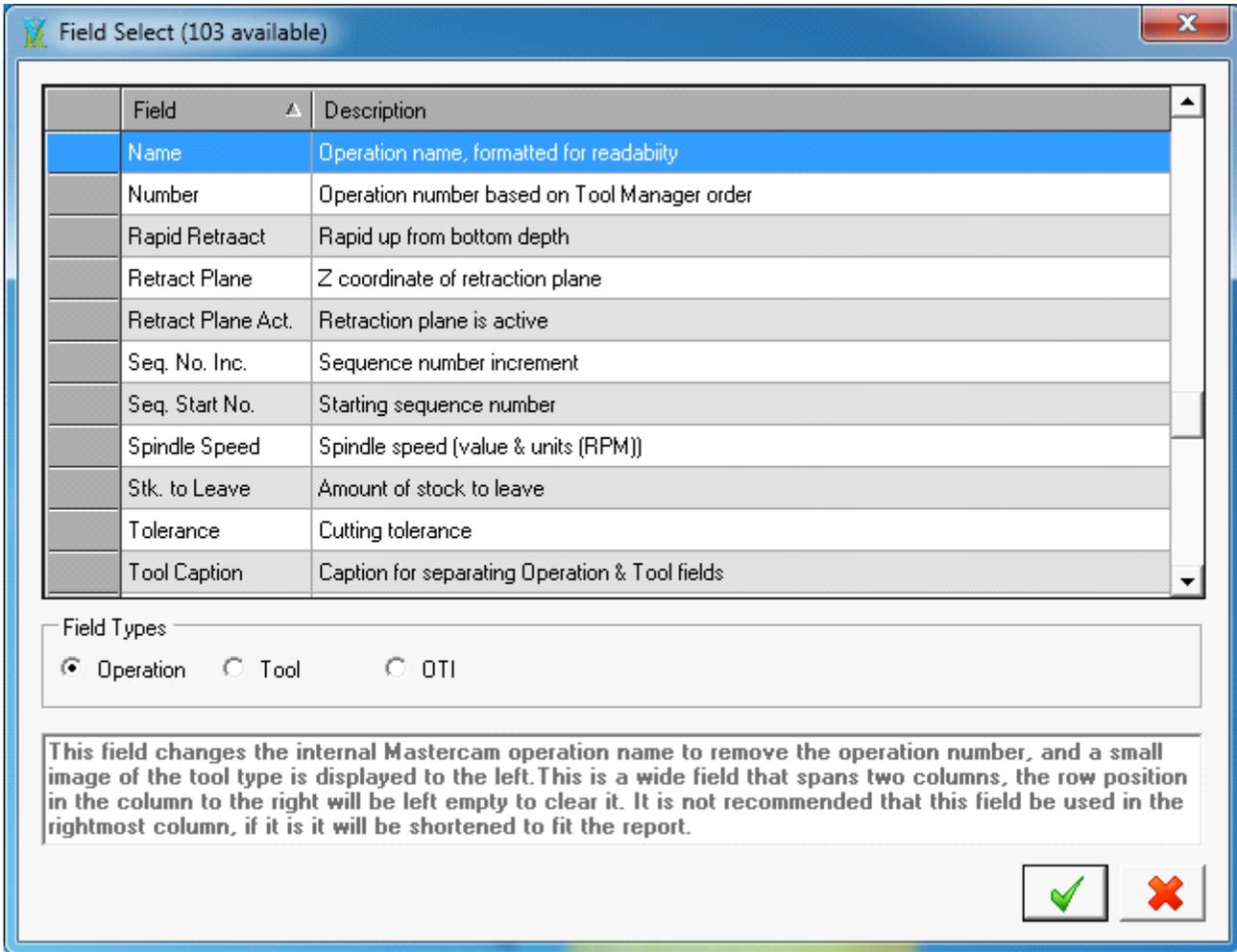


From the "Setup Sheet" dialog Operations can be configured much the same as Tools are. Shown is the dialog for Mill operations:

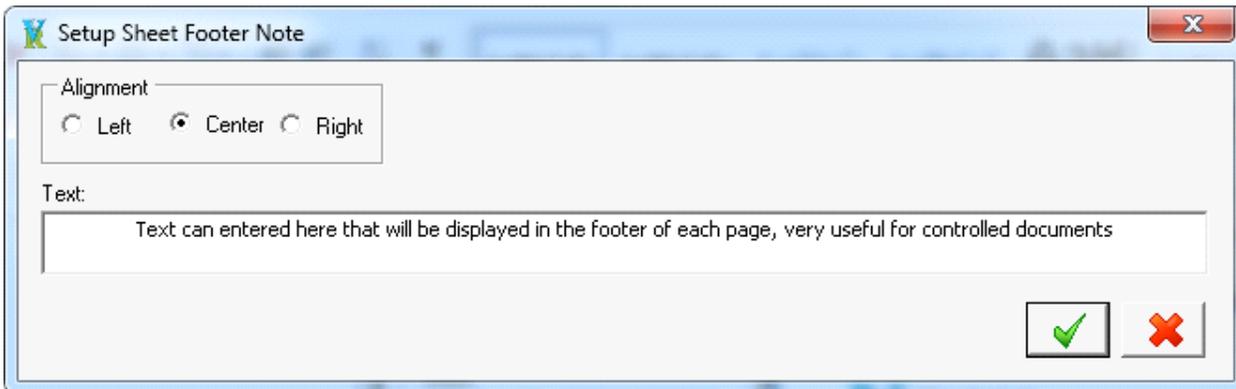




And a complete list of fields available for display for operations is available:



The "Setup Sheet" dialog has an option for the user to set text to be displayed in the footer of each report page, and to align the text. This is very useful for shops that have controlled documents:



All of the settings from the Setup Sheet dialog are saved per machine type and name. This allows for options to be configured specifically for each machine.

Once any settings changes are made, the currently displayed report is refreshed using those settings.

If a CSV (Comma Separated Values) text field exists in the folder with the Mastercam part file, additional options become available:

```
G|1|Mill Setup Sheet Demo
G|2|Varco Reporting
G|3|Jim Varco
G|4|N/A
G|5|N/A
I|Spindle.jpg|Spindle with toolholder
I|Toolsetter.JPG|Toolsetter & Table
I|Tailstock.JPG|Tailstock
```

Lines the start with "G" will override any values entered in the General Information section of the Mastercam Setup Sheet dialog. This ensures that each time the report is printed it will have the same settings in place for the part file and Machine Group. Lines that start with "I" are for user image files such as photographs. The image file must be in the same folder as the part file, and the line in the CSV file holds the image filename and a caption to be displayed with the image. Most of the standard graphics formats are supported.