



Mastercam Customization Services  
Custom posts, machine simulation,  
setup sheets and integration  
Contact: [sales@mcamnw.com](mailto:sales@mcamnw.com)

## **MCAM Northwest Complimentary X5 Mill Setup Sheet Instructions**

MCAM Northwest is pleased to offer a complimentary mill setup sheet for X5 that has several improvements over the setup sheet supplied with Mastercam X5.

The setup sheet is significantly condensed, providing only information that is typically needed on the shop floor:

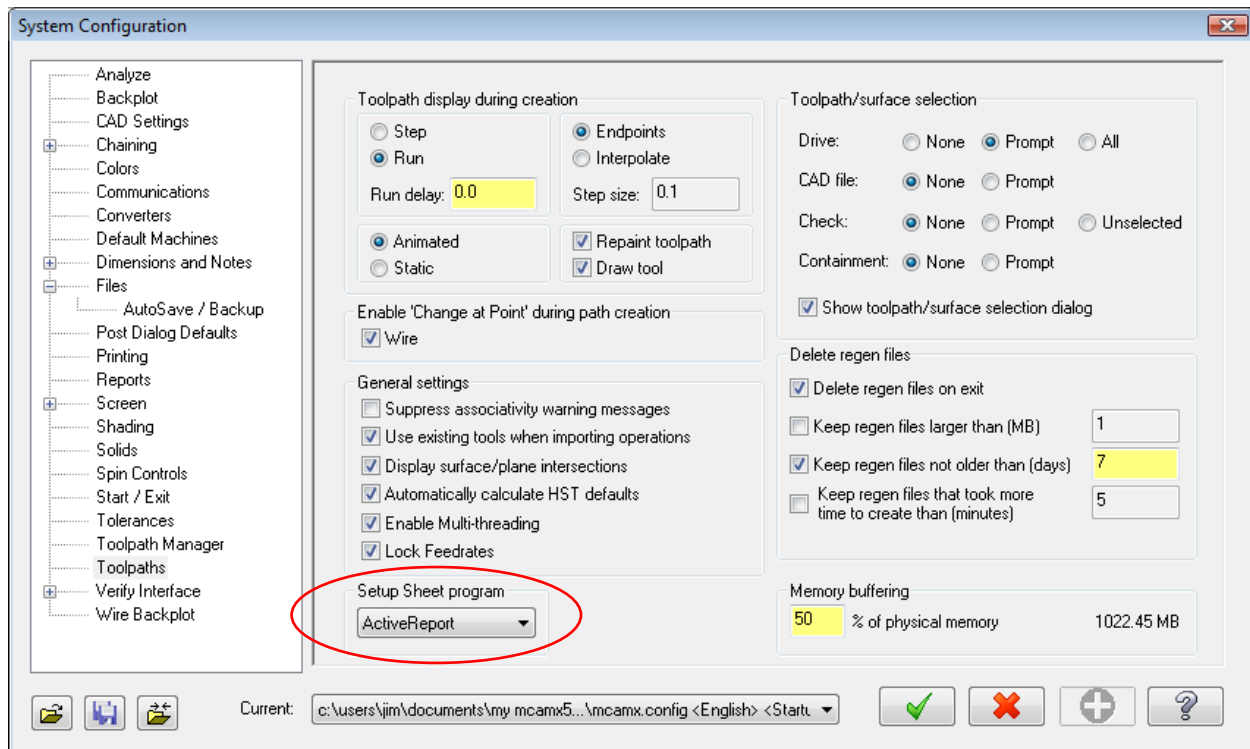
- General Information section, with screen graphic from Mastercam
- Up to 3 short notes can be used and entered from Mastercam
- Stock definition, with graphic from Mastercam
- Tool definitions, 6 per page, with graphic of tool and holder
- Work offset list
- Optional screen captures for improved communication of the process.

This setup sheet can be used “as is”, or can be further customized to suit your specific needs by contacting [sales@mcamnw.com](mailto:sales@mcamnw.com).

### **Installation Instructions:**

1. Download the ZIP file which contains all files needed for the setup sheet, these instructions, and a sample PDF of the setup sheet.
2. Extract the files from the ZIP file.
3. In Mastercam X5, from the File menu select “Open Shared Folder”. Then browse to Common > Reports > SST

4. Copy the extracted files to this folder.
5. In Mastercam X5, from the Settings menu select "Configuration"
6. Click on "Toolpaths" in the tree on the left side (see screenshot below)
7. Make sure that "ActiveReport" is selected in the "Setup Sheet program" option.



8. Installation of the setup sheet is now complete.

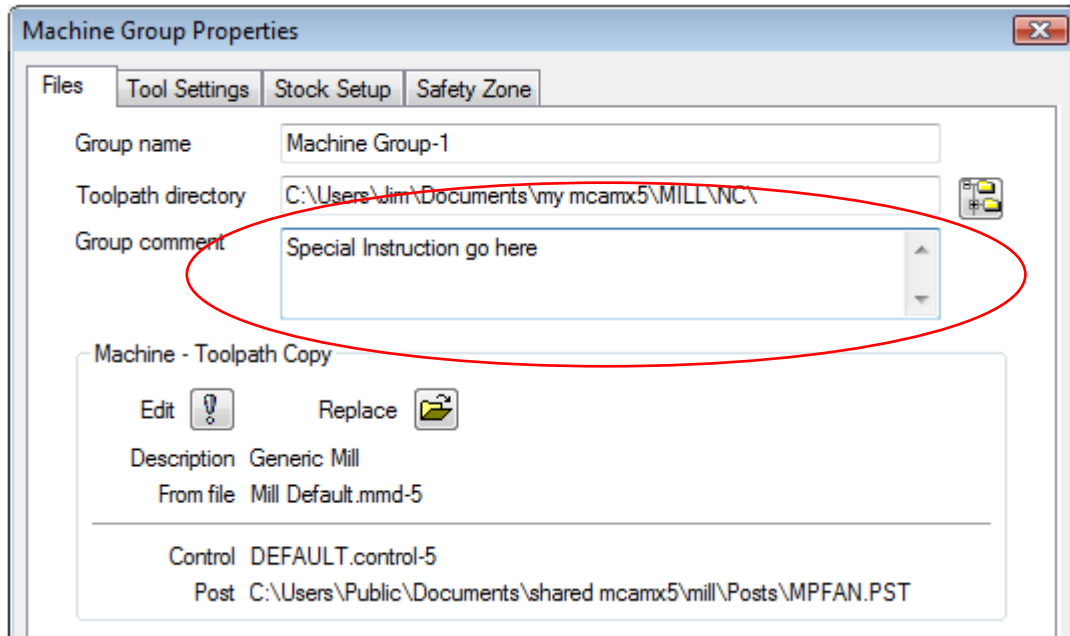
## **Instructions for Using the Setup Sheet:**

### **Notes & Special Instructions-**

1. Mastercam X5 provides 3 short Notes fields in the setup sheet dialog for notes up to 35 characters in length. These notes are not automatically selected if the setup sheet is regenerated later; they are saved in a dropdown list and must be selected each time the setup sheet is used.
2. If you have extensive special instructions that you want to include in the setup sheet we have provided a means to include them in the setup sheet. These

special instructions can be up to 1720 characters in length. It is recommended that the special instructions be prepared using a word processor or editor of your choice and saved in the same folder as the Mastercam file. Doing this will facilitate future edits if needed.

3. In the Mastercam X5 Operations Manager, expand the Properties for the machine the setup sheet will apply to. Copy the special instructions into the Group Comment field.
4. This can be done by using either of the following methods:
  - a. Using the mouse-
    - i. Select all of the instructions in the word processor or editor by windowing them or using the "Select All" option from the mouse right-click menu.
    - ii. Select "Copy" from the mouse right click menu to copy the instructions to the Windows clipboard.
    - iii. Right-click on the Group Comment field in the Mastercam X5 Operation Manager machine properties and select "Paste".
  - b. Using the keyboard-
    - i. Press <CTRL-A> to select all of the instructions in the word processor or editor.
    - ii. Press <CTRL-C> to copy them to the Windows clipboard.
    - iii. In the Mastercam X5 Operation Manager machine properties tab until the cursor is in the Group Comment field
    - iv. Press <CTRL-V>.
5. Once saved to the Group Comment field, the instructions will always print on the setup sheet in the "Special Instructions" page of the setup sheet.
6. The screenshot below shows where the special instructions are to be saved to in the machine properties:



7. Editing notes saved in the machine properties Group Comment field:
  - a. If notes have been saved to a word processor or text file that can be updated, edit the notes as needed and save the file
  - b. If the notes have not been saved to a separate file:
    - i. Click on the notes field.
    - ii. Right-click and select "Select All" to highlight all of the notes.
    - iii. Right-click and select "Cut" to save the notes to the Windows Clipboard and clear the comment field.
    - iv. In the word processor or text editor, right-click and select "Paste" to save the original notes to the word processor or editor.
    - v. Save the file.
  - c. To insert the new notes into the Group Comment field:
    - i. Select all of the notes
    - ii. Right-click and select "Copy" to save the notes to the Windows Clipboard.

- iii. In Mastercam, click on the machine properties Group Comment field.
- iv. Make sure the original notes have been deleted.
- v. Right-click and select "Paste" to save the notes to the Group Comment field.

### Viewing the Setup Sheet-

1. In the Mastercam X5 Operations Manager, right-click and select "Setup Sheet..."
2. The Mastercam X5 ActiveReports setup sheet dialog shown below is displayed:

The screenshot shows the "Setup Sheet" dialog box in Mastercam X5. The dialog is divided into three main sections: "General Information", "Images", and "Report Templates".

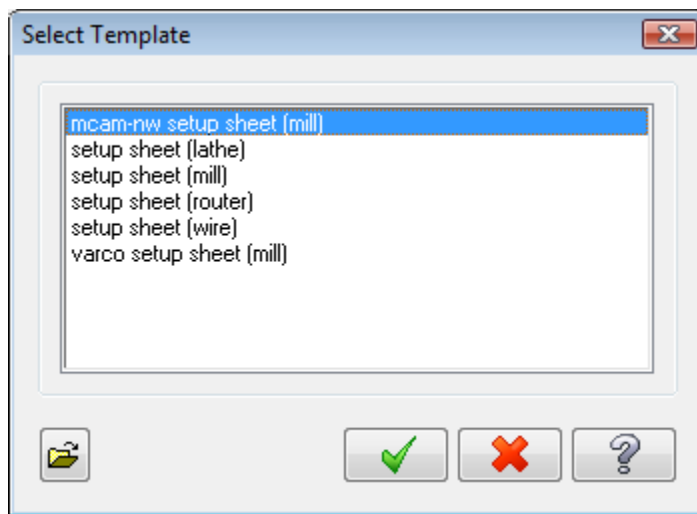
**General Information:** This section contains seven dropdown menus, each with a red "X" button to its right. The fields are: Project, Customer, Programmer, Drawing, Revision, Note 1, Note 2, and Note 3.

**Images:** This section contains a checkbox labeled "Use color" which is checked. Below it, a text box states: "The current graphic screen image will be captured as a drawing reference when you select OK." To the right, under "View of Operation", there are four radio buttons: "Operation's WCS", "Operation's TPLANE", "Isometric relative to operation's WCS" (which is selected), and "Isometric (WORLD)". There are also two small icons, a hand and a cross, next to the radio buttons.

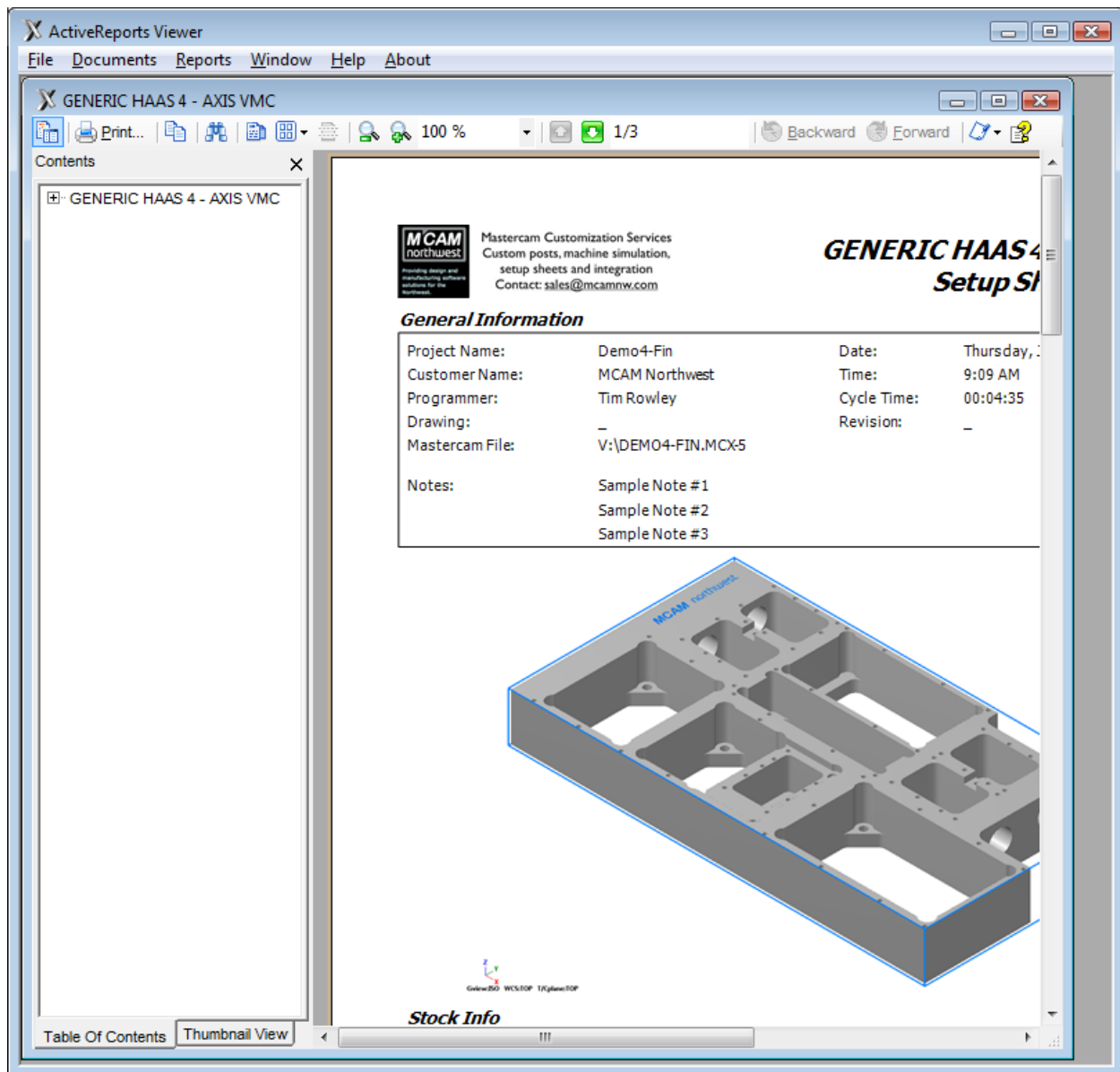
**Report Templates:** This section has a title "Report Templates (Press F2 to reassign)" and a large text area containing the text "GENERIC MILL | setup sheet (mill)".

At the bottom of the dialog, there are three buttons: a camera icon, a green checkmark, a red "X", and a question mark.

3. To select the MCAM Northwest complimentary setup sheet:
  - a. Click on the setup sheet displayed in the "Report Templates" window to highlight it.
  - b. Press the "F2" key to display a list of available setup sheets (see screenshot below).
  - c. Click on the "mcam-nw setup sheet (mill)" to select it.
  - d. Click the "OK" button to accept the setup sheet.



4. Enter any information desired in the fields in the general Information section of the setup sheet dialog.
5. Note that the captions for any of these fields can be changed by clicking on the caption and entering a new caption. These changes do not change the matching captions in the setup sheet report; the report must be edited to make the changes.
6. Make any desired changes to the settings in the "Images" area.
7. Click the "OK" button.
8. The setup sheet report is generated and displayed in the Report Viewer as shown below:



9. From the Report Viewer the setup sheet can be printed using the "Print" icon or from the File menu
10. The setup sheet can be saved to various file formats from the "Save As..." option under the File menu

### **Additional Instructions:**

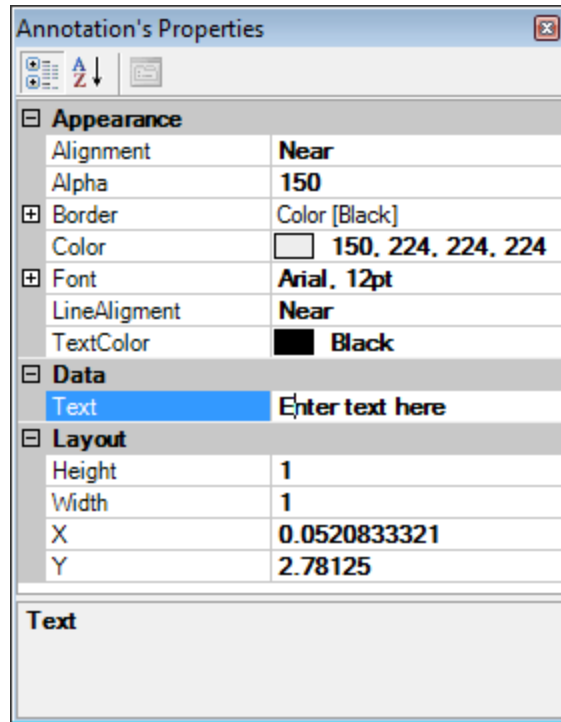
#### 1. Making the MCAM Northwest complimentary setup sheet the default setup sheet-

- a. In Mastercam X5, from the File menu select "Open Shared Folder". Then browse to Common > Reports > SST
- b. Do one of the following:
  - i. Move the existing file named "Setup Sheet (Mill).rpx" to a archive location such as another folder.
  - ii. Save the existing file named "Setup Sheet (Mill).rpx" to a ZIP file. Then delete the file named "Setup Sheet (Mill).rpx".
  - iii. Rename the existing file named "Setup Sheet (Mill).rpx" to a backup filename of your choice.
- c. Rename the file "MCAM-NW Setup Sheet (MILL).rpx" to "Setup Sheet (Mill).rpx"
- d. The MCAM Northwest complimentary setup sheet will now be the default setup sheet, with no need to specifically select it as described earlier in these instructions.

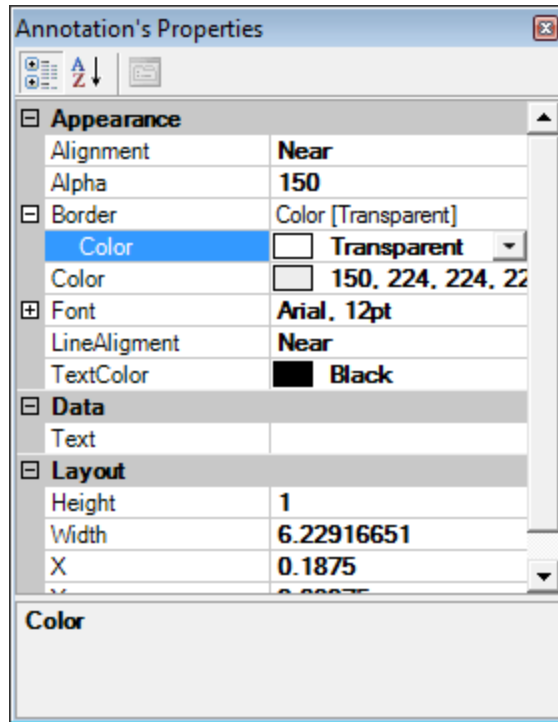
#### 2. Adding additional Notes-

- a. Once the setup sheet is displayed in the report viewer, do the following:
  - i. Click on the Annotation icon in the Report Viewer, just to the left of the Help icon in the upper right corner.
  - ii. From the list that is displayed, click on the first icon (Text Annotation) and drag it onto the setup sheet.
  - iii. Position and resize the text box as needed.
- b. Setting the text and other properties for the Textbox:
  - i. Right-click on the Text Box and select Properties. In the Text field, enter the text to be displayed as shown below:





- ii. Change other properties as desired, such as the font and font size.
- iii. To eliminate the Textbox border-
  1. Click on the "+" located to the left of the "Border" item under the "Appearance" group to expand it.
  2. Click on the item "Color" immediately below the word "Border".
  3. Click the down arrow to expand the dropdown list.
  4. Click on the "Web" tab
  5. Select "Transparent" from the drop down list.



iv. To change the Textbox background color-

1. Click on the item "Color" immediately above the word "Font".
  2. Click the down arrow to expand the dropdown list.
  3. Select the desired color from any of the tabs.
  4. To eliminate any color, click on the "Web" tab.
  5. Select "Transparent" from the drop down list
- c. Note that any text displayed on the setup sheet using this technique will be printed, however it is not saved with the setup sheet if the "Save As..." option on the File menu is used.

## **Notes**

This complimentary setup sheet is provided "as is".

If your needs require a different setup sheet, please contact us at [sales@mcamnw.com](mailto:sales@mcamnw.com)