

07 - Setup for Mastercam (2)

Welcome to this series of *CAM-POST FOUNDATION* video tutorials. In this video we will demonstrate the setup of the Mastercam Machine and Control files.

During the previous step, we have created a PST file for the **HAAS_VF1** custom post-processor built with *CAM-POST FOUNDATION*.

We will launch Mastercam and select **Settings** → **Machine Definition Manager**.

We will open an existing machine definition to start with. Press the **“Open”** icon.

Depending on the machine kinematics, we should select an appropriate existing machine definition, such as a 3-axes one. However, in this case, we will select the **“MILL DEFAULT MILLIMETER.MMD-7”** configuration.

First of all, you should do a **“Save As”** to save the original machine under a different name, so it will not be overwritten by our custom definition. We will save it as **“HAAS_VF1_ICAM.MMD-7”**.

Press the **“Edit the control definition...”** button.

In the new dialog, you should once again do a **“Save As”** to save the original control under a different name. We will save it as **“HAAS_VF1_ICAM.CONTROL-7”**.

Optionally, you can enter the control manufacturer name (e.g. **Haas Automation**) and a short description of the control.

Press the **“Post processors”** button.

In the new Post List Edit dialog, select the existing **“MPFAN.PST”** post and press **“Delete files...”**.

Press **“Add files...”** and select the **“HAAS_VF1.PST”** file generated with the *Setup* utility.

Click **OK** to return to the *Control definition* dialog, then pull-down the list of post-processors and select the new PST file we just added.

In the *Control topics* pane at the left of the dialog, select **Files** and pick the option **Post executable**.

Press the cabinet icon to the right of the field. In the file selection dialog, select the **“icamx7.dll”** file and press **Open**.

Press the **“Save”** button on the top menu to save the control, then press **OK** to exit the *Control definition* dialog.



Back to the *Machine Definition Manager*, enter a machine description (e.g. **Haas VF-1**) in the *Description* field.

Finally, press the "**Save**" button to save the machine, then press **OK** to exit the dialog.

Accept the prompt to replace the existing machine in the group. The new post is now shown in the group properties.

It is also ready to use...

This concludes our presentation of the setup of Mastercam Machine and Control files.
Thank you for watching.