

Siemens PLM Software

NX CAM 11.0.2: Orient the Work View to the Tool Axis or MCS

Set the work view based on the tool axis or MCS of a selected operation.

About NX CAM

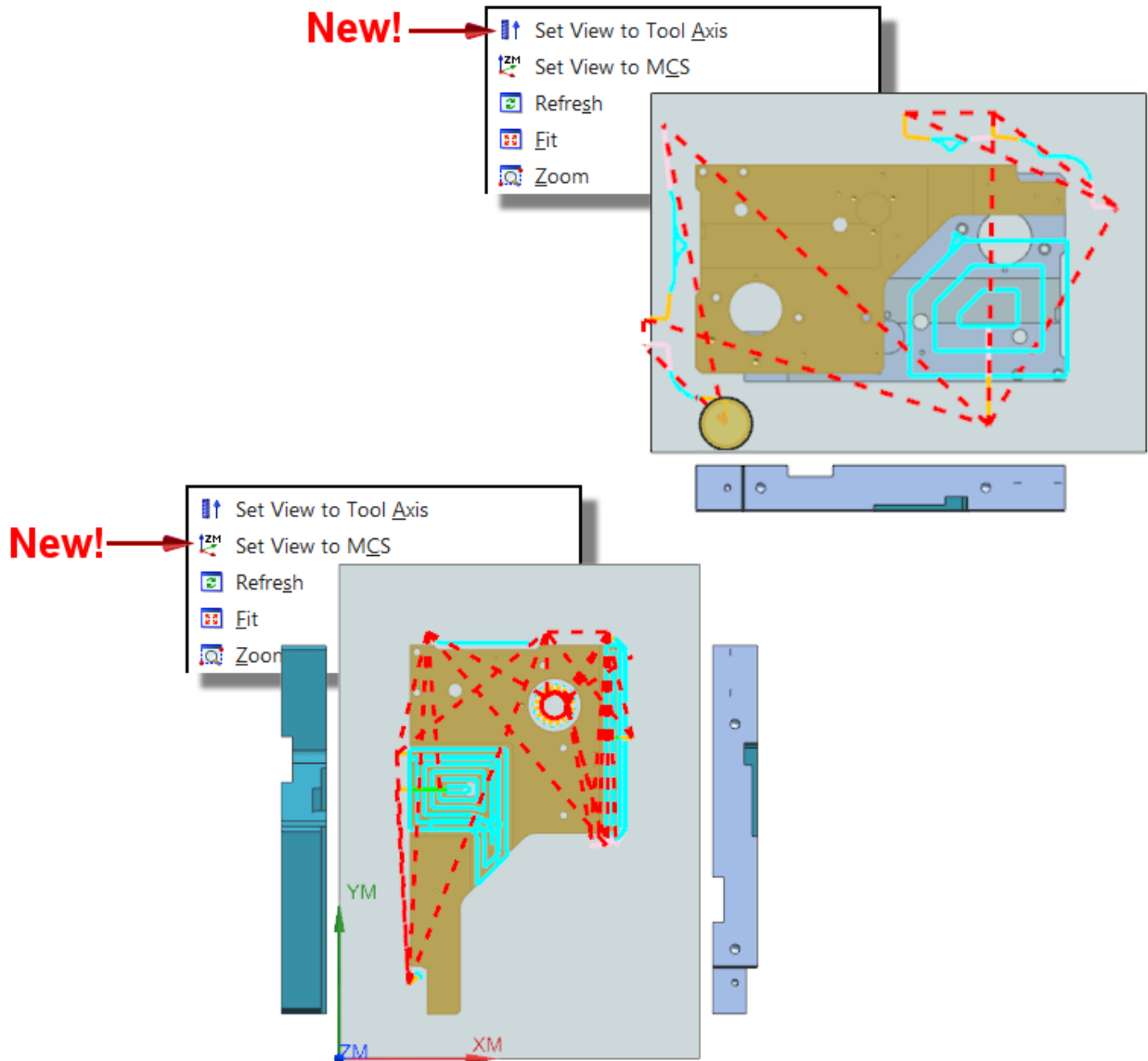
NX™ CAM software has helped many of the world's leading manufacturers and job shops produce better parts faster. You can also achieve similar benefits by making use of the unique advantages NX CAM offers.

This is one of many hands-on demonstrations designed to introduce you to the powerful capabilities in NX CAM 11.0.2. In order to run this demonstration, you will need access to NX CAM 11.0.2.

Visit the [NX Manufacturing Forum](#) to learn more, ask questions, and share comments about NX CAM.

Hands-on Demonstration: Orient the Work View to the Tool Axis or MCS

You can now set the work view based on the tool axis or MCS associated with an operation.

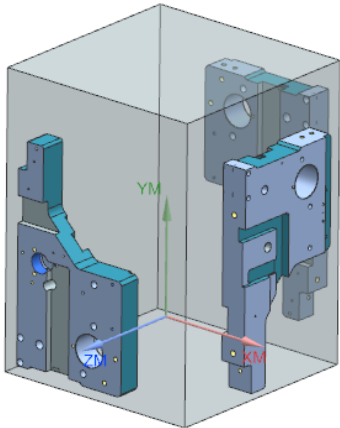


Prerequisites:

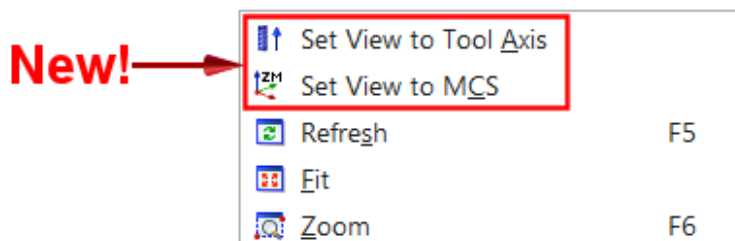
1. You will need access to **NX CAM 11.0.2** in order to run this demonstration.
2. If you haven't done so already, download and unzip **orient_work_view.7z**.

Demo:

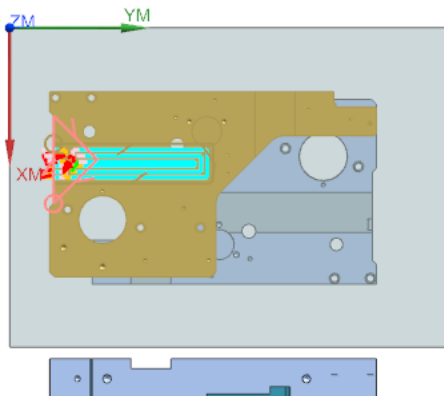
1. Open **orient_work_view.prt** in NX



2. In the Geometry View of the Operation Navigator, select the **PLANAR_MILL** operation.
3. Right-click in the graphics window and notice two new options.

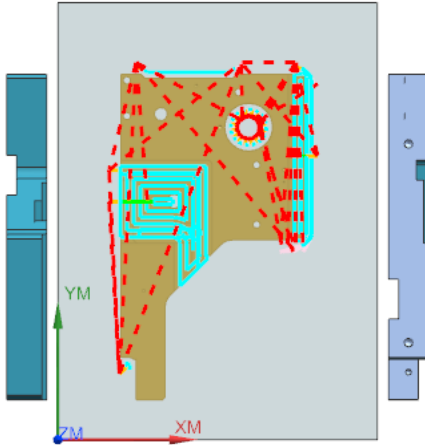


4. Select **Set View to Tool Axis**.



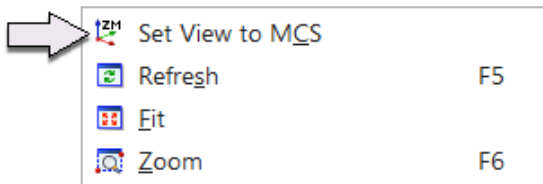
This view is perpendicular to and looking down the tool axis for the selected operation.

5. Select the **CAVITY_MILL_2** operation.
6. Right-click in the graphics window and select **Set View to MCS**.



This view is aligned with the ZM axis of the MCS associated with the selected operation (MCS_2).

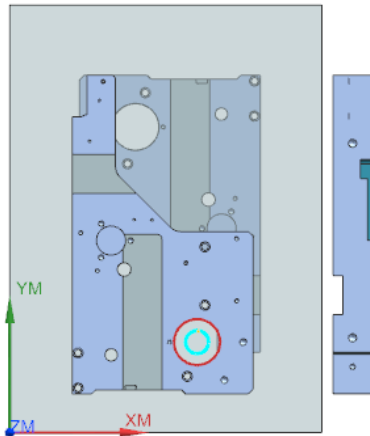
7. Select the **HOLE_MILLING** operation.
8. Right-click in the graphics window and notice that only **Set View to MCS** is available.



Set View to Tool Axis is not available for the following operations types:

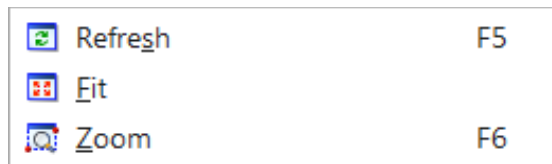
- Turning
- Hole Making
- Groove Milling
- Variable Axis
- Wire EDM
- Probing

9. Select **Set View to MCS**.



This view is aligned with the ZM axis of the MCS associated with the selected operation (MCS_1).

10. Select the **CAVITY_MILL** and **PLANAR_MILL_1** operations.
11. Right-click in the graphics window and notice that neither the **Set View to Tool Axis** nor the **Set View to MCS** options are available.



These options are only available when a single operation is selected.

12. Close the part without saving.

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