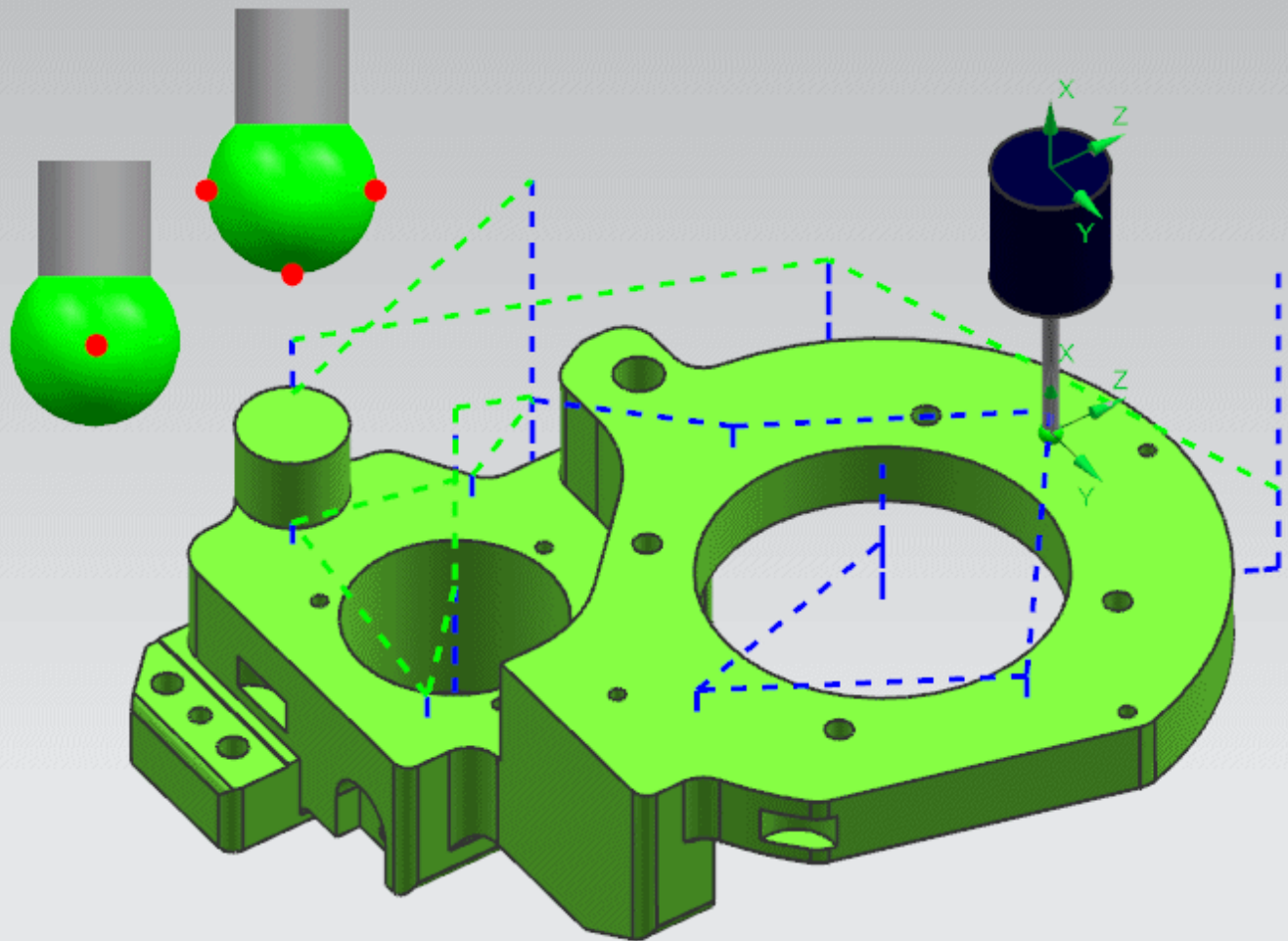


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NX CAM 11.0.2: Probe Output Control

Setting probing output to ball center or ball contact.

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Answers for industry.

About NX CAM

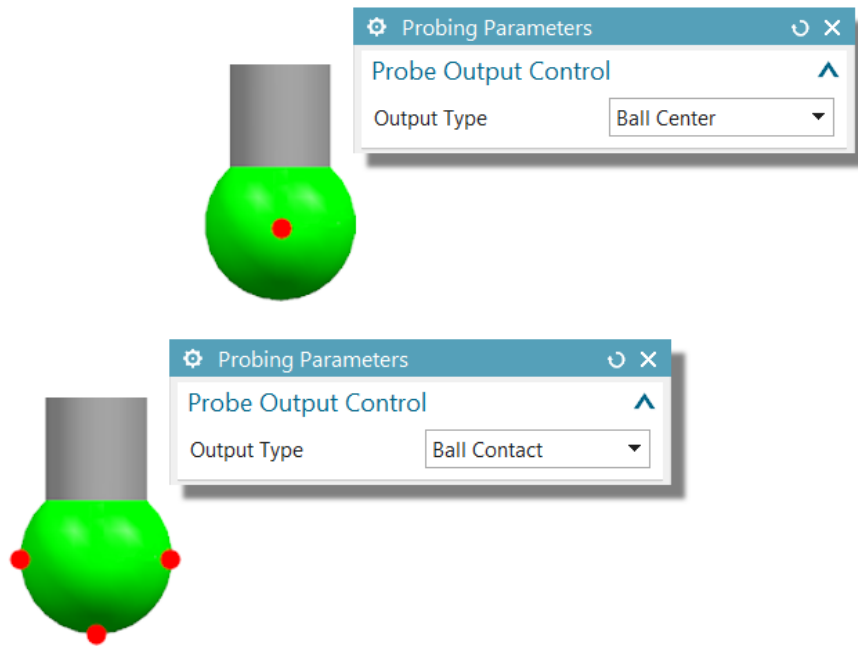
NX™ CAM software has helped many of the world's leading manufacturers and job shops produce better parts faster. You can also achieve similar benefits by making use of the unique advantages NX CAM offers.

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: Probe Output Control

You can now set the postprocessor output for a probing operation to the probe ball center or the ball contact point.

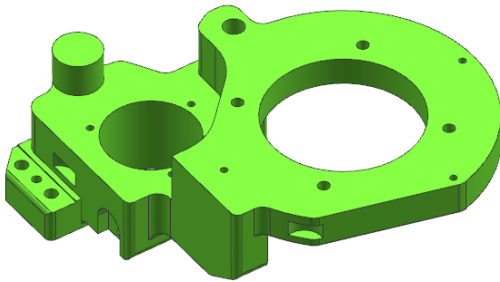


Prerequisites:

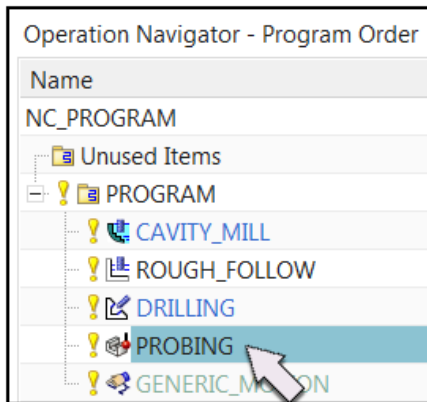
1. You will need access to **NX CAM 11.0.2** in order to run this demonstration.
2. If you haven't done so already, download and unzip **probe_output_control.7z**.

Demo:

1. Open **probe_output_control.prt** in NX.

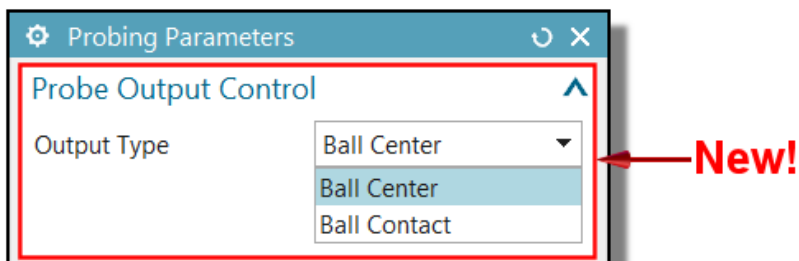


2. In the Program Order View of the Operation Navigator, double-click to edit the PROBING operation.




3. In the Path Settings section of the dialog box, click **Probing Parameters** .

The **Probe Output Control** section of the dialog box is new.



Ball Center is the default output type.

4. Click **Ball Contact** from the **Output Type** list.
5. Click **OK** in the Probing Parameters dialog box.
6. Click **Generate**.
7. Click **OK** in the operation dialog box.
8. Click **Post Process** .
9. Select the probing postprocessor from the Postprocessor list and **OK**.

Note: Probing postprocessors are not provided out of the box, so you will need to use your own customized postprocessor.

The following figure illustrates an example of the difference between the Ball Center and Ball Contact postprocessor output.

Ball Center

```

14 N0140 G65 P9810 X-132.3878 Y-54.8373 Z10. F400. M00
15 N0150 G65 P9810 X-149.8587 Y-68.6502 Z-30.5 F400. M00
16 N0160 P9811 Z-40.5
17 N0170 G65 P9810 X-164.8307 Y-133.5629 Z-30.5 F400. M00
18 N0180 P9811 Z-40.5
19 N0190 G65 P9810 X-64.6096 Y-146.1641 Z-30.5 F400. M00
20 N0200 P9811 Z-40.5
21 N0210 G65 P9810 X-106.07 Y-106.07 Z-30.5 F400. M00
22 N0220 G65 P9810 X-106.07 Y-106.07 Z-80. F400. M00

```

Ball Contact

```

14 N0140 G65 P9810 X-132.3878 Y-54.8373 Z10. F400. M00
15 N0150 G65 P9810 X-149.8587 Y-68.6502 Z-30.5 F400. M00
16 N0160 P9811 Z-45.
17 N0170 G65 P9810 X-164.8307 Y-133.5629 Z-30.5 F400. M00
18 N0180 P9811 Z-45.
19 N0190 G65 P9810 X-64.6096 Y-146.1641 Z-30.5 F400. M00
20 N0200 P9811 Z-45.
21 N0210 G65 P9810 X-106.07 Y-106.07 Z-30.5 F400. M00
22 N0220 G65 P9810 X-106.07 Y-106.07 Z-80. F400. M00

```

10. Close the part without saving.

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