

# Nx for Beginners: Part 2 - Additional Features and Modifying Parts

In the first part of this series, we covered the basics of Nx, including how to create a new part, add features, and generate a toolpath. In this part, we will explore some of the more advanced features of Nx, including multibody parts and how to modify parts.



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★★★★★ 5 out of 5



### Multibody Parts

Multibody parts are a powerful feature of Nx that allows you to create complex assemblies of parts. Each part in a multibody assembly can be created and modified independently, and the assembly can be updated automatically when changes are made to the individual parts.

To create a multibody part, simply click the "New Multibody Part" button on the toolbar. This will create a new multibody part with a single body. You

can then add additional bodies to the multibody part by clicking the "Add Body" button.

Once you have created a multibody part, you can use the "Assembly" tab to manage the relationships between the different bodies. The Assembly tab allows you to define the position, orientation, and constraints of each body in the assembly.

## **Modifying Parts**

There are a number of ways to modify parts in Nx. You can use the "Edit" menu to access a variety of commands for modifying parts, including:

- **Translate:** Moves the part in the X, Y, or Z direction.
- **Rotate:** Rotates the part around the X, Y, or Z axis.
- **Scale:** Changes the size of the part.
- **Mirror:** Creates a mirror image of the part.
- **Delete:** Deletes the part.

You can also use the "Features" tab to modify parts. The Features tab allows you to add, remove, and edit features on the part. To add a feature, simply click the "Add Feature" button and select the desired feature from the list.

Once you have added a feature, you can use the "Edit Feature" dialog box to modify the feature's properties. The Edit Feature dialog box allows you to change the feature's size, shape, and position.

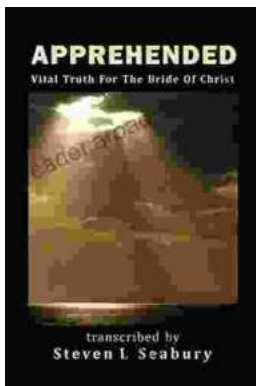
In this article, we have explored some of the more advanced features of Nx, including multibody parts and how to modify parts. These features are essential for creating complex assemblies and modifying parts to meet your design requirements.

If you are new to Nx, I encourage you to download the software and try out these features for yourself. Nx is a powerful tool that can help you to design and manufacture complex parts and assemblies.



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