

DS\_ComplexTask.xml template created from XMetaL Task.xml  
template (<http://www.xmetal.com>)

Template Version 2017 December 15th

# Hiding or Showing Machine Parameters

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You can hide or show the machine parameters such as the recoater or the gas flow. You can also hide or show the build envelope for a machine.

Open a scenario with recoater and gas flow parameters as well as a build envelope.

## Related Topics:

[Rules for Process Parameters](#)

[Basic Concepts](#)

## ▼ Hiding or Showing the Recoater

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You can hide or show the recoater process parameter for the machine.

1. Right-click a powder bed machine from the tree and

select **Powder Bed Machine** → **Edit NC Resource**. product [

delpbf: DelPbfUserMap]


**2.** In the **Reference Parameters** dialog box that appears, select the **Parameters** tab and edit the values in the **Recoating Direction** section, then click **OK**.

The value you specify is the value of the recoater.

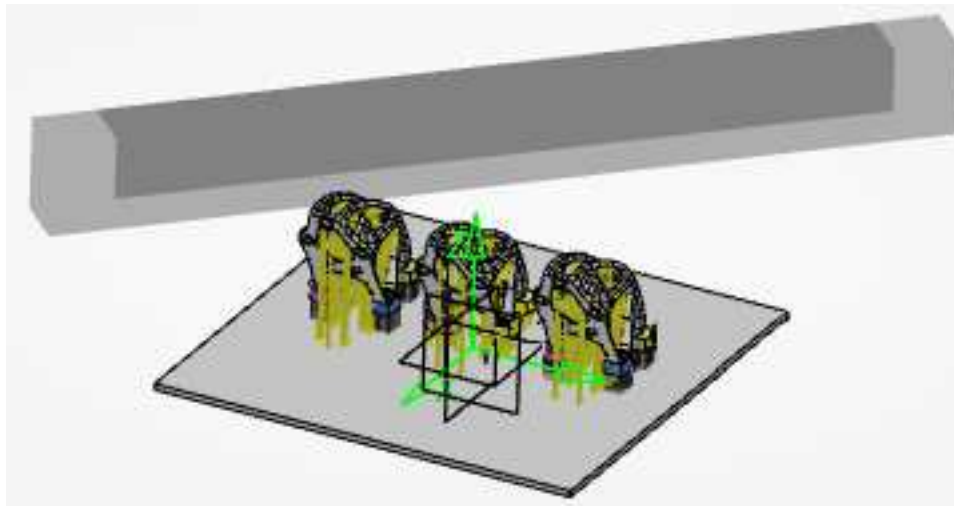
product [ delpbf: DelPbfUserMap]

**3.** Use the Powder Bed Fabrication App to specify the value of the recoater process parameter in the **Recoating Direction** section of the **Reference Parameters** dialog box.

product [ delapf: DelApfUserMap]

**4.** In the **Setup** section of the **action bar**, click **Hide/Show Recoater**  , then select the machine.

The recoater is shown as a gray rectangle on the machine.



## ▼ Hiding or Showing the Build Envelope

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You can hide or show the build envelope for the machine.

1. Right-click a powder bed machine from the tree and select **Powder Bed Machine** → **Edit NC Resource**. `product [ delpbf: DelPbfUserMap ]`

2. In the **Reference Parameters** dialog box that appears, select the **Parameters** tab and edit the values in the **Rectangular Build Envelope** section, then click **OK**.


The value you specify is the value of the build

envelope.

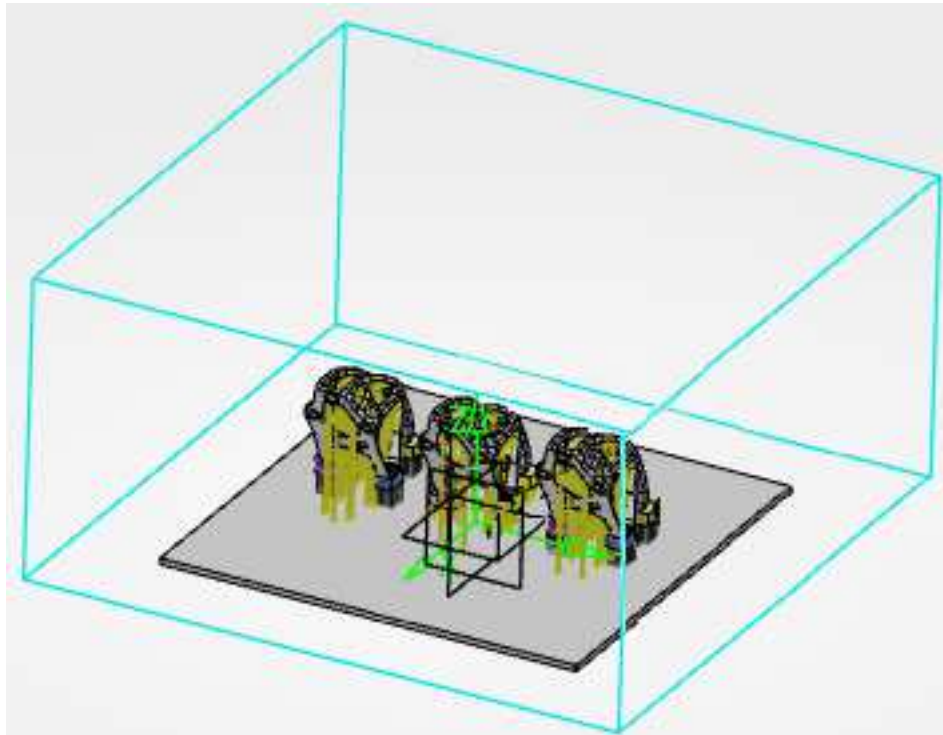
product [ delpbf: DelPbfUserMap ]

**3.** Use the Powder Bed Fabrication App to specify the value of the build envelope in the **Rectangular Build Envelope** section of the **Reference Parameters** dialog box.

product [ delapf: DelApfUserMap ]

**4.** In the **Setup** section of the action bar, click **Hide/Show Build Envelope**  , then select the machine.


The build envelope is shown as a cube surrounding the machine.



## ▼ Hiding or Showing the Gas Flow

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You can hide or show the gas flow parameter for the machine. This parameter will only appear if there is a build process rule defined on the machine.

1. In the **Programming** section of the action bar, click **Scan Path Generation** . `product [delpbf: DelPbfUserMap]`

2. Choose a build process rule from the list in the **Define and generate slicing and scan path** dialog box that appears. `product [delpbf: DelPbfUserMap]`

3. Click **Create or Edit Rule** . `product [delpbf: DelPbfUserMap]`

4. In the **Rules Management** dialog box that appears, edit the value in the **Gas inlet direction** section.

The value you define in this section is the value displayed in the gas flow parameter.

`product [delpbf: DelPbfUserMap]`

5. Use the Powder Bed Fabrication App to specify the

value of the gas flow parameter in the **Gas inlet direction** section of the **Rules Management** dialog box. product [delapf: DelApfUserMap]

**6.** In the **Setup** section of the action bar, click **Hide/Show Gas Flow**, then select the machine.

The gas flow is shown as an arrow on the machine.

