

Module: Solidworks CAM Standard-Milling

Topic 12: How to Customize New Machine

12.0 How to Customize Machine

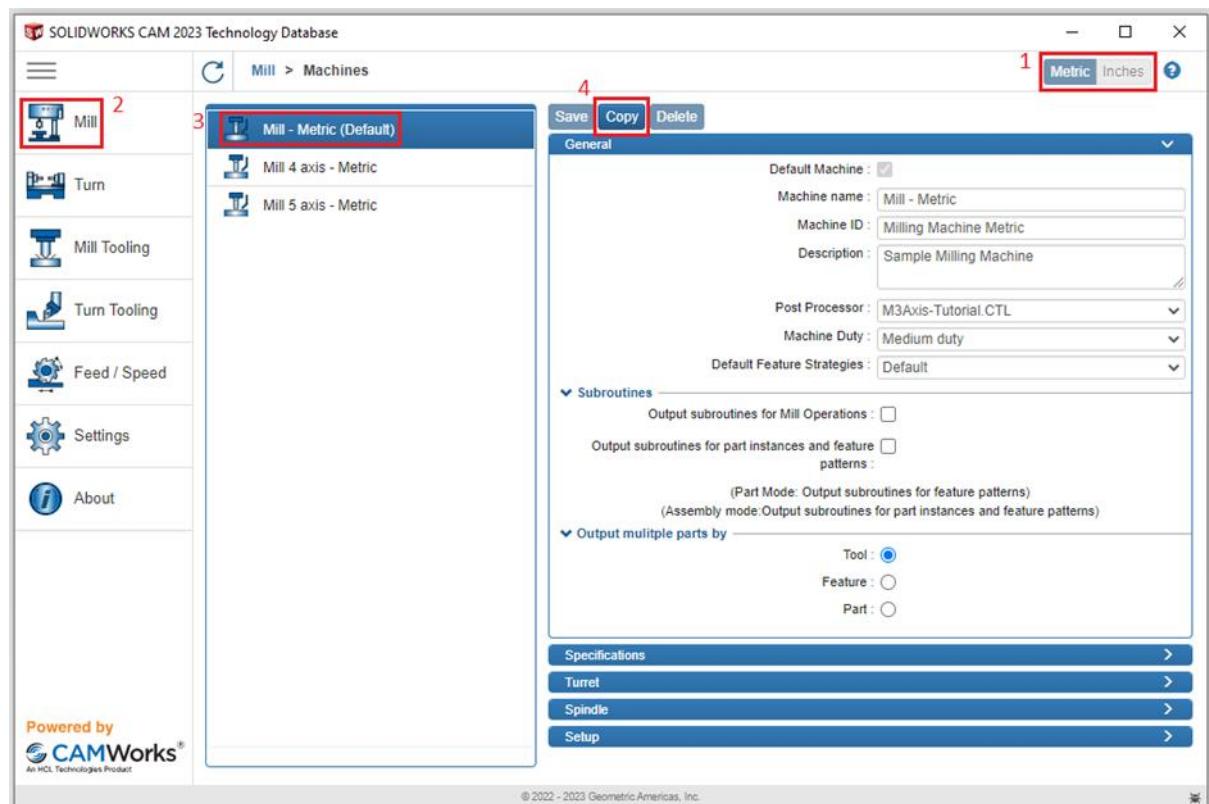
Properly setting up your machines and attaching the Tool Crib and Post Processor files save so much time in the programming process. It also makes it easy to switch between machines when one is down for maintenance.

Steps to customize your machine

1. Open a Solidworks part file
2. Click Tools.
3. On the pulldown menu, Click SOLIDWORKS CAM
4. Click Technology Database
5. Follow the steps below to customize your machine

Create a new machine

Select **Metric**, click on the **Mill Tab**, then click on **Mill – Metric (default)**, create the machine by clicking on **Copy**



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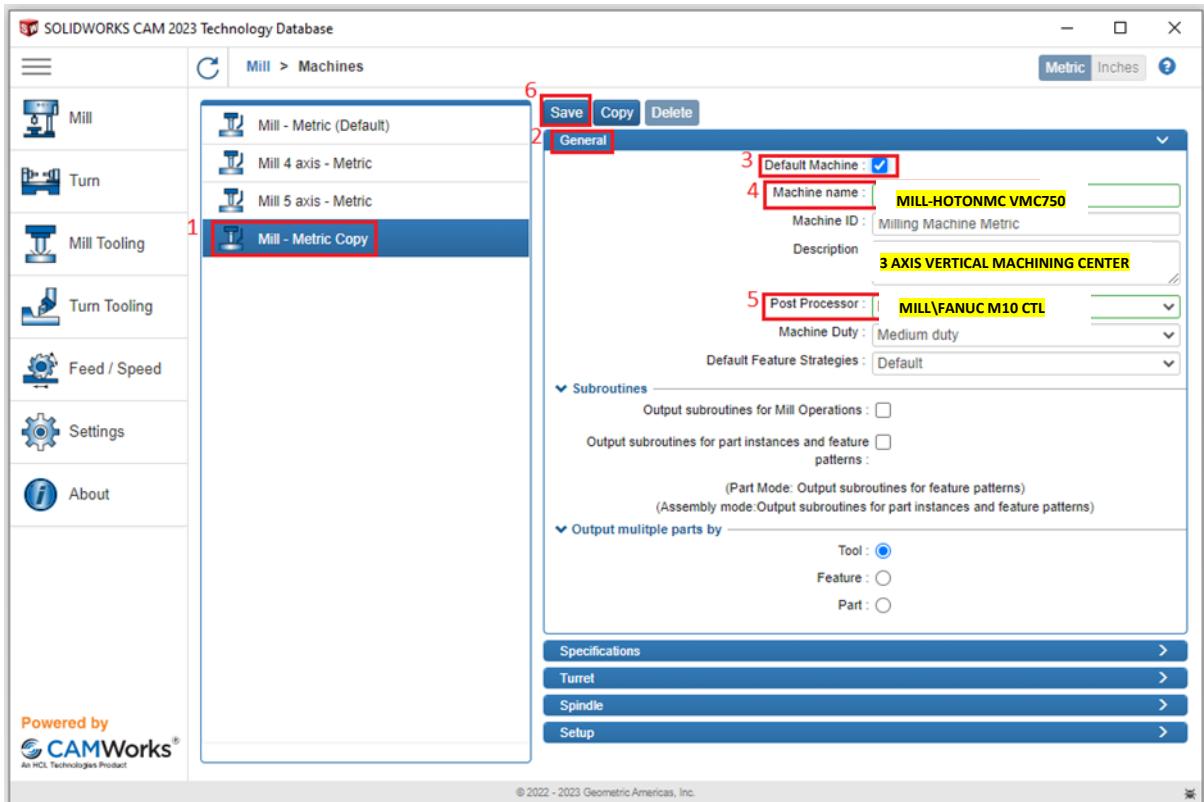
- **General Tab**

With **Mill – Metric Copy** and **General Tab**, it is the general information regarding machine.

Ensure there is checked with **Default Machine** if you want to make it as default selection.

Rename the **machine name** base on your machine model and set the correct **Post processor** with this machine.

Click on Save if you did any of changes.



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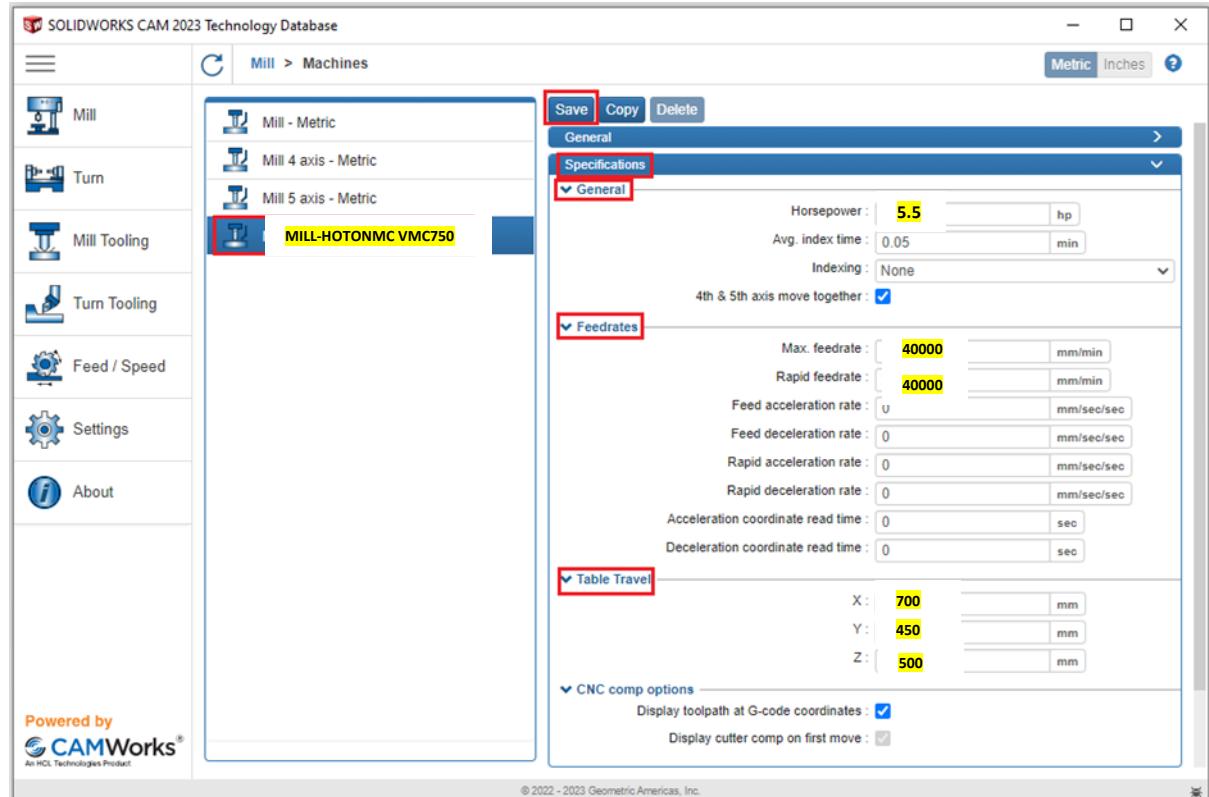
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- **Specifications Tab**

Click on **General tab** to collapse that tab and click on the **Specification Tab** to expand it to set some operating parameters for the machine.

You may noticed the machine name has been changed.

You can set the parameters with General, Feedrates and Table Travel limits.



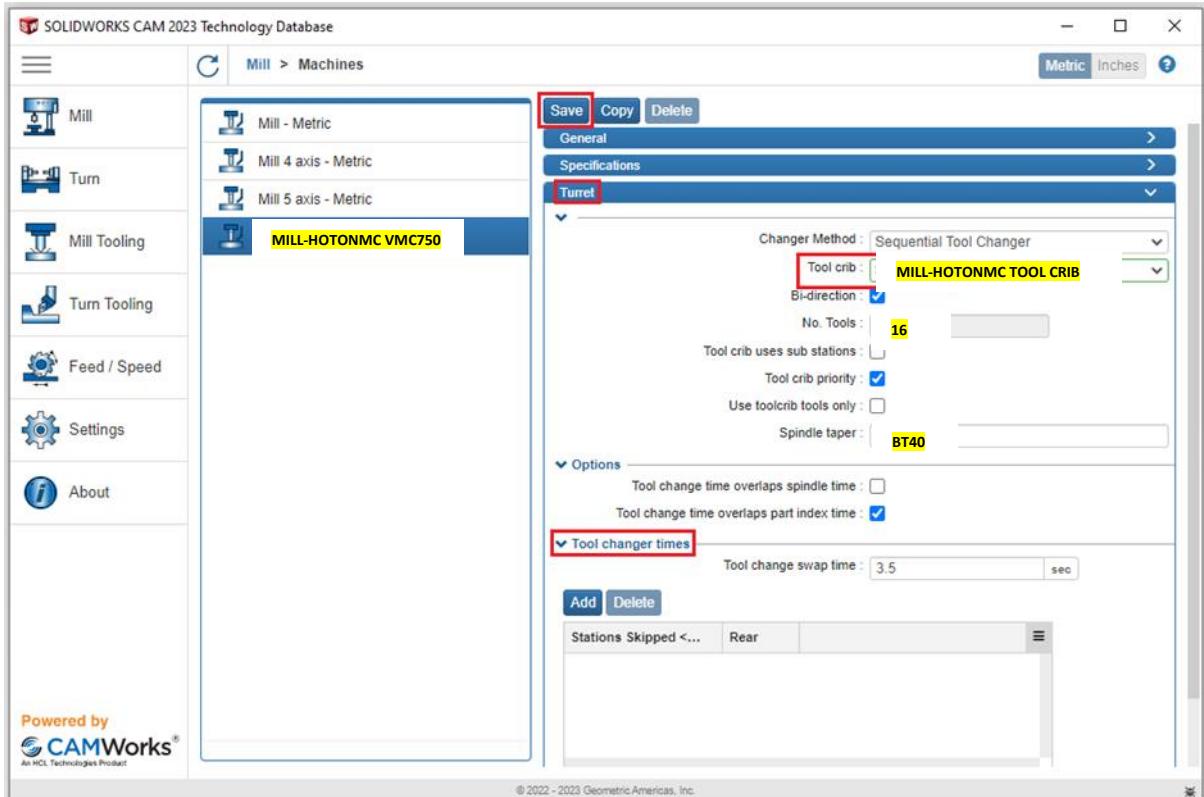
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- **Turret Tab**

Collapse the **Specifications tab** and expand the **Turret tab** by clicking on the respective blue labels at the top of these tabs.

You can specify the **Tool Crib** to each machine and tool change swap times.



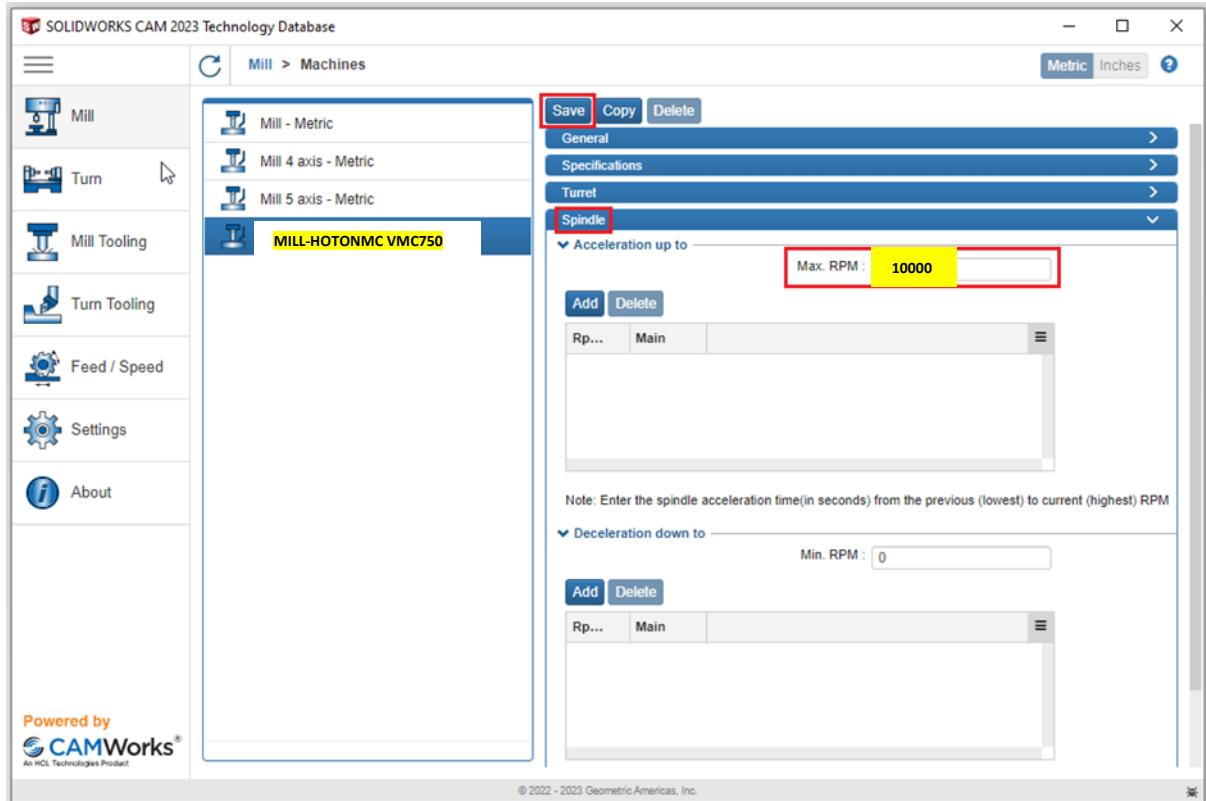
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- **Spindle Tab**

Collapse the **Turret tab** and expand the **Spindle tab** by clicking on the respective blue labels at the top of these tabs.

The Spindle tab of Mill Machine Parameters form allows you to define the spindle speed times.



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- **Setup Tab**

Collapse the **Turret tab** and expand the **Spindle tab** by clicking on the respective blue labels at the top of these tabs.

The Setup tab allows you to define the Indexing and limits for machine. These values are available while defining the machine.

