

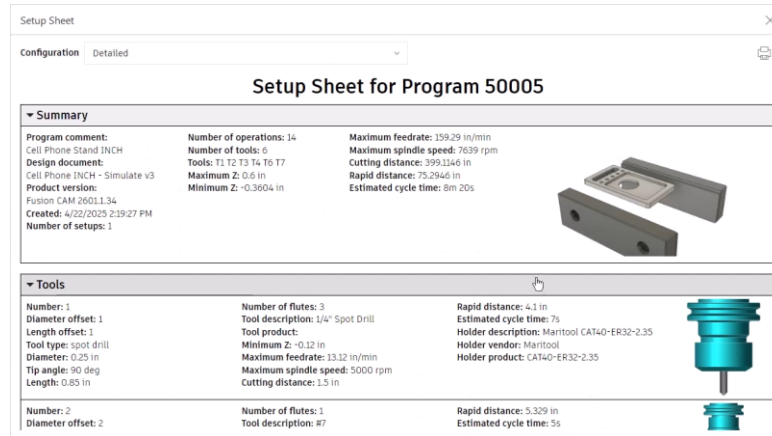
Step-by-step guide

Create a Setup Sheet

Collect all of a job's information into a convenient Setup Sheet so the machine operator understands the job's parameters.

Learning objectives:

- Create a Setup Sheet.



The completed exercise

1. Continue with the file from the previous video or open the supplied *Cell Phone INCH – Simulate.f3z* file.

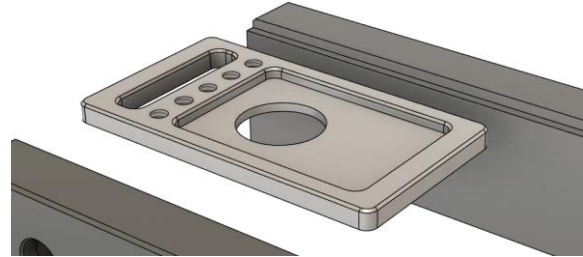


Figure 1. Open the file

2. A Setup Sheet can be created so that a machine operator correctly prepares for the job. Select the NC Programs folder's Setup Stand, right-click it, then choose Setup Sheet from the menu.

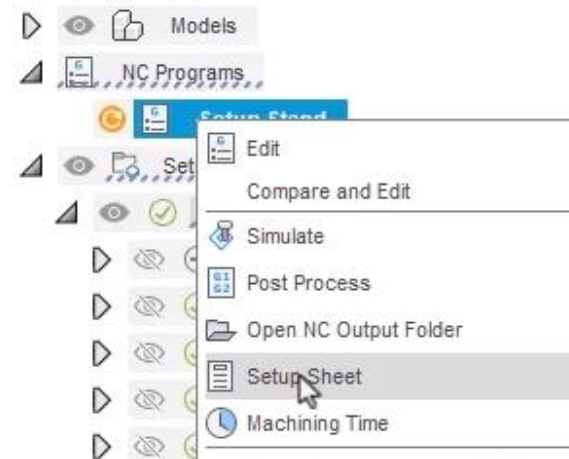


Figure 2. Create a Setup Sheet

3. Choose the sheet's name and save location.

Name:

50005

Location:

25 Learn Fusion CAM in 90 > Imperial > 5 - Simu

Figure 3. Name the setup sheet

4. Click the dialog's Save.

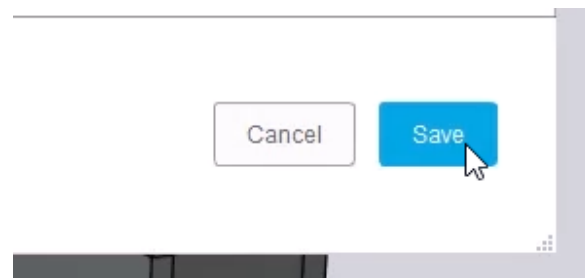


Figure 4. Click Save

- By default, the sheet opens in the Detailed configuration. This Detailed configuration does not omit any information. You can use the menu at the sheet's top to customize the types of information that the sheet displays.

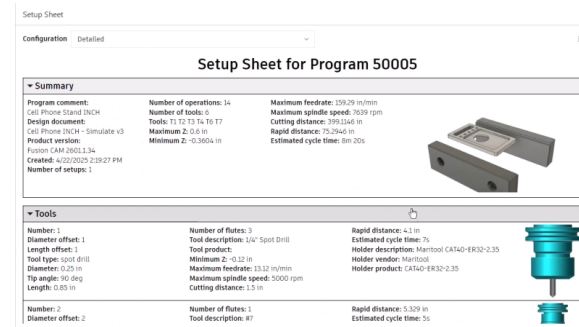


Figure 5. Configure the sheet's information

- The Summary section displays the number of operations, the tools, the maximum spindle speed, the estimated cycle time, and more.

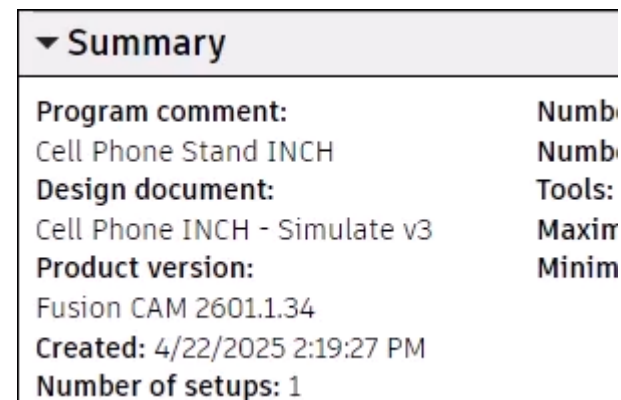


Figure 6. Inspect the Summary section

7. The Tools section describes each tool in detail. For example, you can learn about the diameter, number of flutes, vendor, estimated cycle time, holder information, and much more.

▼ Tools	
Number: 1	Number of flutes: 3
Diameter offset: 1	Tool description: 1/4"
Length offset: 1	Tool product:
Tool type: spot drill	Minimum Z: -0.12 in
Diameter: 0.25 in	Maximum feedrate: 1
Tip angle: 90 deg	Maximum spindle speed:
Length: 0.85 in	Cutting distance: 1.5"
Number: 2	Number of flutes: 1

Figure 7. Inspect the Tools section

8. The Setup section describes the setup and the stock. You can learn about the WCS location, the stock's dimensions, and more.

▼ Setup	
Description: Setup1	Stock:
WCS: 1	x: 4.125 in
	y: 4 in
	z: 0.25 in
	Part:
	x: 4 in
	y: 2.25 in
	z: 0.23 in

Figure 8. Inspect the Setup section

9. The Operations section gives a detailed description of each operation. You can learn the operation's name, operation type, maximum spindle speed, the required tool, the coolant setting, and more.

▼ Operations		
Operation 1/14		
Description: Face2		Maximu
Strategy: Facing		Cutting
WCS: 1		Rapid d
Tolerance: 0.0004 in		Estimat
Axial stock to leave: 0 in		Coolant
Maximum stepover: 0.15 in		Number
Maximum Z: 0.6 in		Diamete
Minimum Z: -0.02 in		Length
Maximum spindle speed: 7639 rpm		Diamete
Operation 2/14		

Figure 9. Inspect the Operations section

10. The printer icon in the sheet's top right corner allows you to save the sheet as a PDF or print a physical copy. It is important to note that these setup sheets can be accessed by anyone that has access to your project; this allows you to easily share the information with other users.

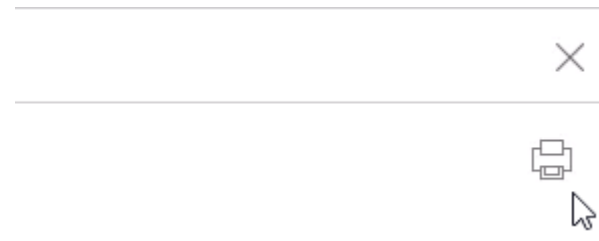


Figure 10. Note how to print the sheet

11. The Configuration drop-down menu at the top of the sheet can be used to customize the sheet's information. After you finish exploring the setup sheet, click the X icon in the top right corner. The Setup Sheet was saved when you created it and does not need to be saved again.

