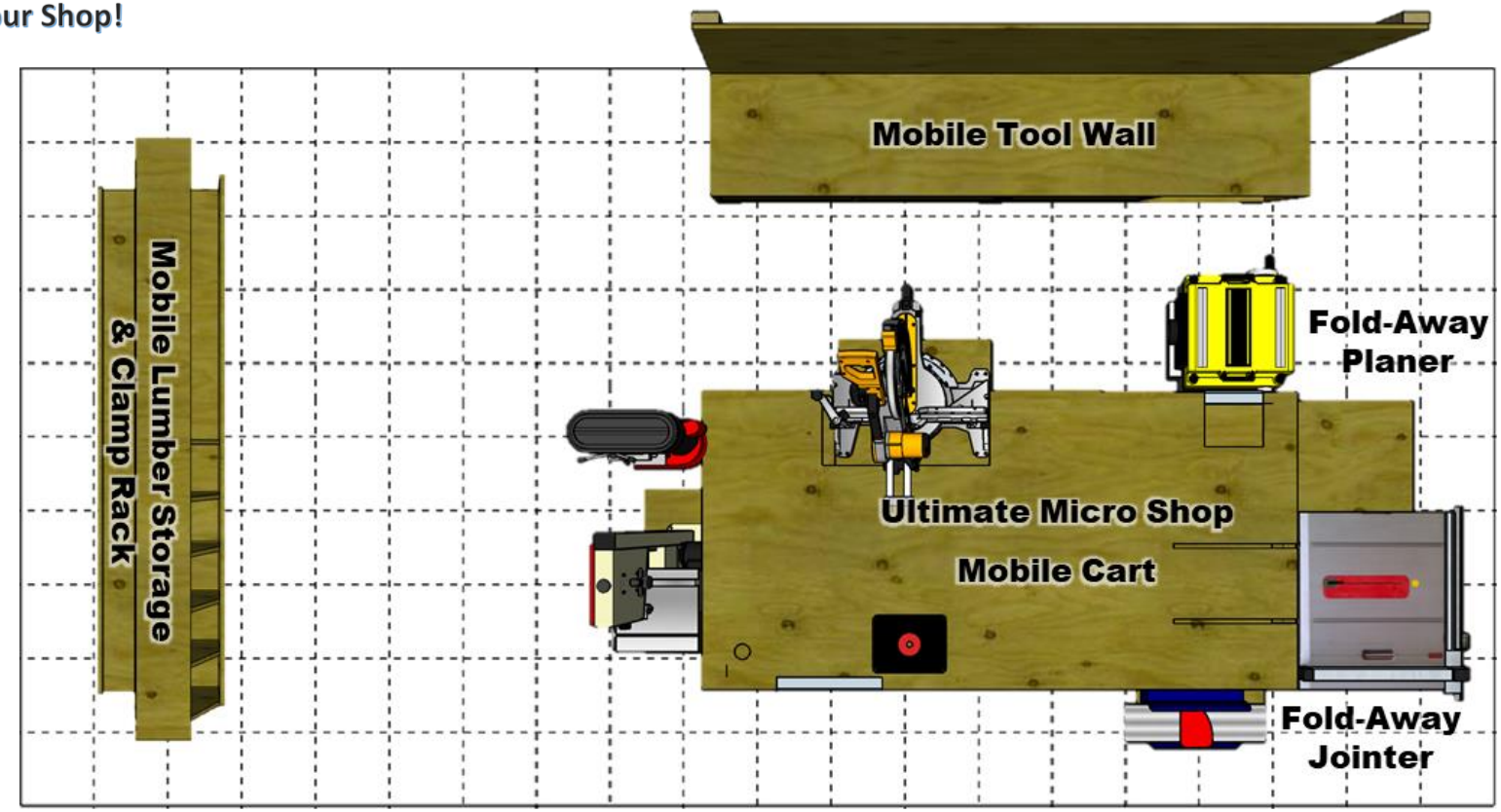
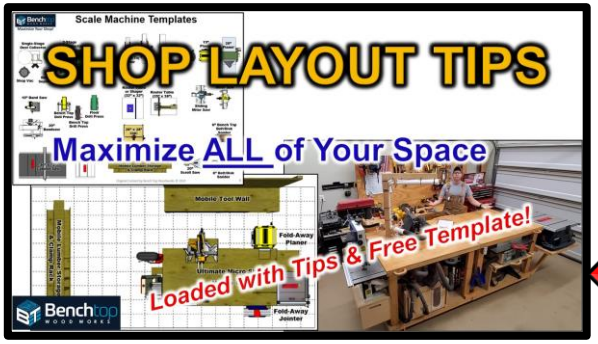
Benchtop WOOD WORKS

Maximize Your Shop!

SHOP LAYOUT GUIDE



A FREE GUIDE WITH TEMPLATES DESIGNED TO HELP YOU MAXIMIZE YOUR SHOP!



SHOP LAYOUT VIDEO

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Maximize Your Shop!

Shop Layout Guide

- Use these scale machine models to help plan your shop layout to Maximize Your Shop's Space!
- Plan the perfect layout for the tools/machines that you have in your workflow.
- See the interferences on paper rather than after you build or move things
- Print and cut or arrange digitally

Tips for preserving the most usable space in a shop *(no matter how large or small it may be)*:

1. Keep material storage close to where they will enter the shop
2. Place machines used to break down and mill close to material storage
3. Align work flows so that they are parallel (Long runs for: Milling, Table Saw, Miter Saw, Band Saw, etc should all be parallel if possible)
4. Align "dead-space", non usable parts of machines (drill press column, sides of planer/jointer, rear of miter saw, etc.) can be placed directly adjacent to other machines without causing an interference.
5. Group by function/process (Milling / Shaping) (Fine cut / Sanding)
6. Keep assembly tables/areas central. We are constantly working on pieces and storing them in between operations.
7. Mobility is key. Keep things on wheels when possible, workflow & space needs will change over time and sometimes during a project.
8. Plan for project part storage during a project (cubbies or bins for non-assembled part storage)
9. Remember to "think 3-D". Each machine has a different ideal working height, this can help you when planning your space-saving solutions and storage.

EXAMPLES: *A jointer and planer are best at or just below waist level, a scroll saw can be used while seated, a lumber storage rack or dust collector can be wall mounted above normal work height etc. I use this concept in my fold away planer and jointer mounts. I also use this to keep my dust collection under my workbench as opposed to wall or ceiling mounted.*

(PDF INTERNAL LINK) OPEN THE ATTACHED POWERPOINT

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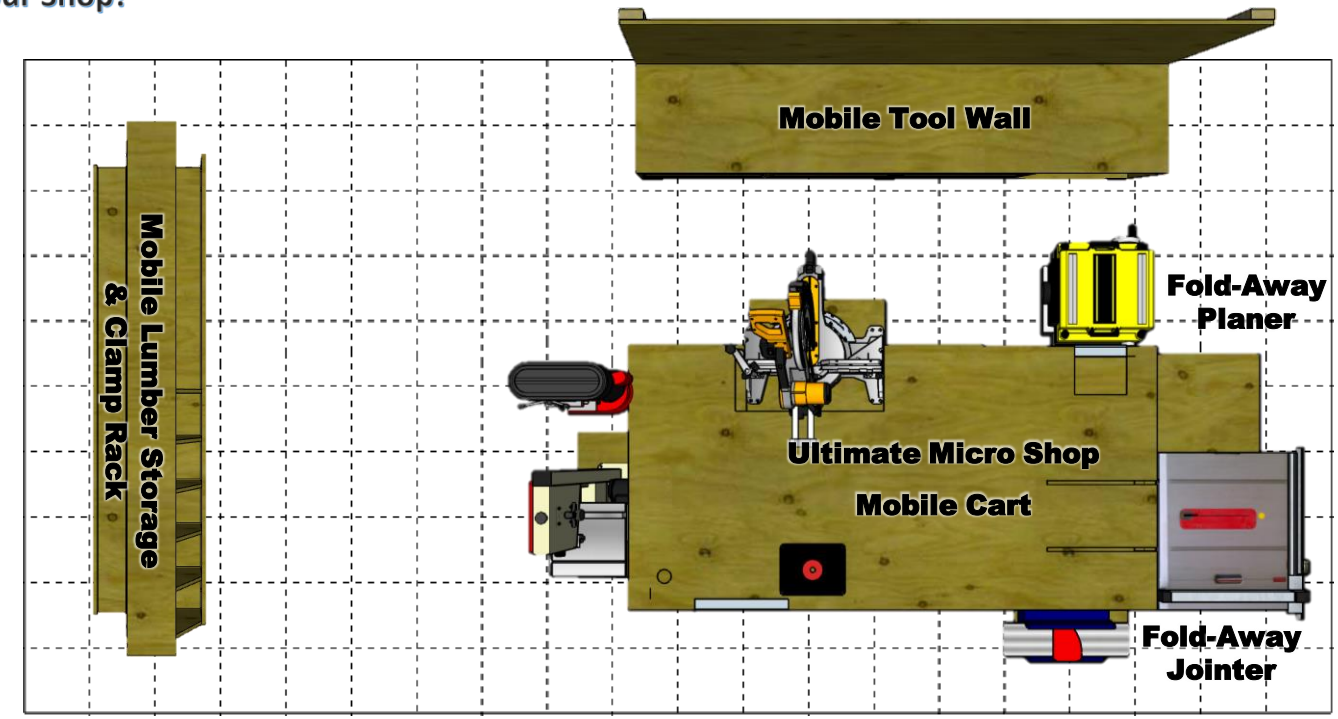
Maximize Your Shop!

My Current Shop Layout (20ft x 10ft)



13” x 8’ Board

6” x 8’ Board

4’ x 8’ Plywood Sheet

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Maximize Your Shop!

How to Use This

- Print the Template Page that best fits your space.
- Print the Scale Machine Templates Page
- Cut out Machines similar to yours & arrange them
- Use the sample “boards” to check for interferences
- Photograph the layout or tape them in place

OR

- Open this file in PowerPoint (THE POWERPOINT FILE IS ATTACHED TO THIS PDF) *(NEED SOME POWERPOINT TIPS?)*
- Move, rotate, and Arrange the machine icons on your template page Print as desired

(PDF INTERNAL LINK) OPEN THE ATTACHED POWERPOINT

Additional Resources

Check out ways to Maximize your Shop space on my Websites:

My Website

My Youtube Channel

My Instagram

Find out about Unlimited Plans on Patreon

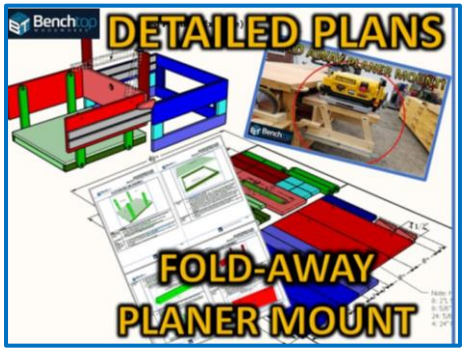
All of my plans are available on Etsy

Plans to Help You Maximize Your Shop:

My Shop’s Mobile Base:

My Mobile Tool Wall:

My Planer Mount:



My Dust Collection Set-Up:

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2-Car Garage Shop Template (20ft x 20ft)

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Maximize Your Shop!

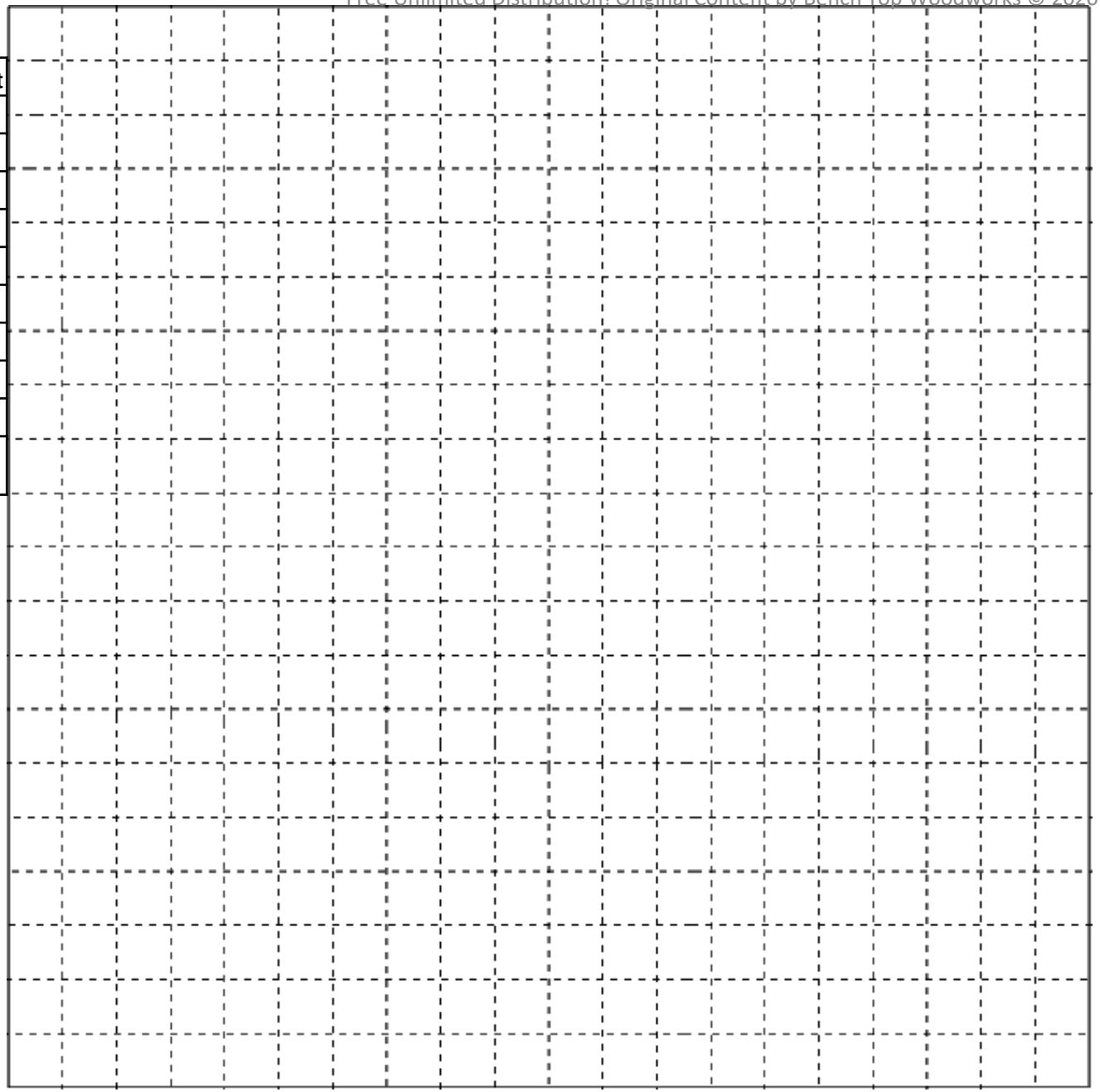
	Tool	Dimensions	Ideal Height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

4’ x 8’

Plywood Sheet

6” x 8’ Board

13” x 8’ Board



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1-Car Garage Shop Template (10ft x 20ft)

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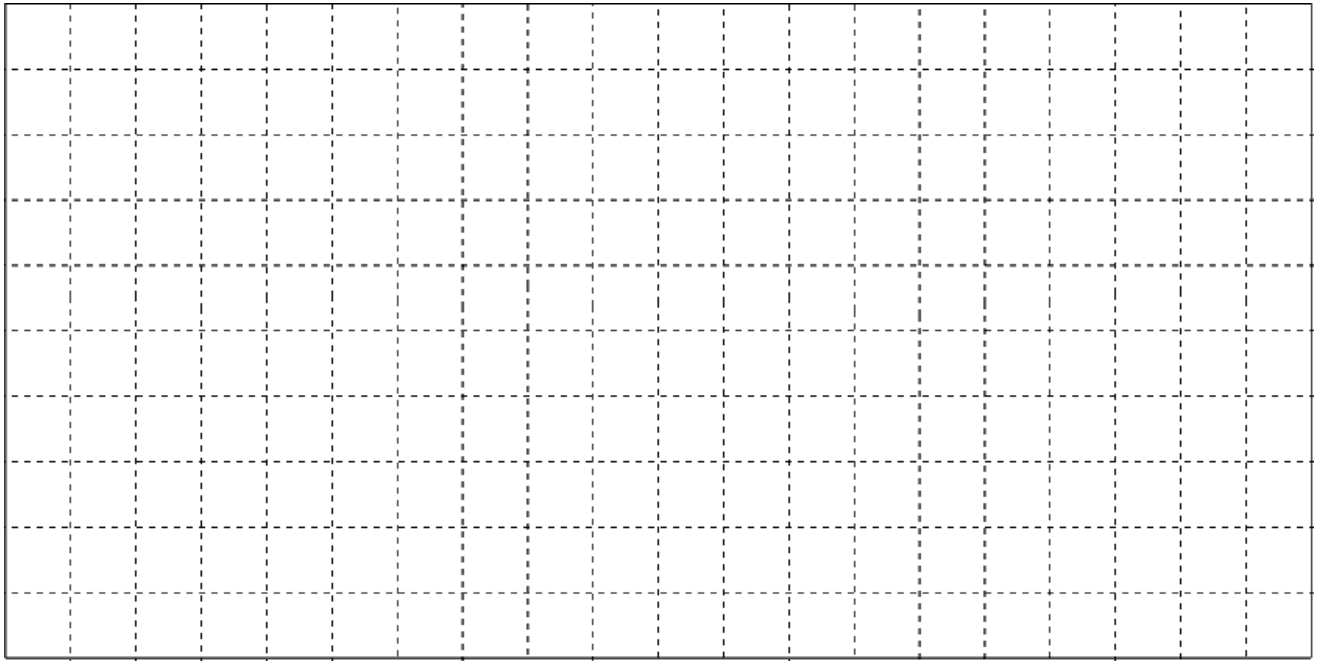

4’ x 8’

Plywood Sheet

6” x 8’ Board

13” x 8’ Board

	Tool	Dimensions	Ideal Height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Generic Shop Template (29ft x 20ft)

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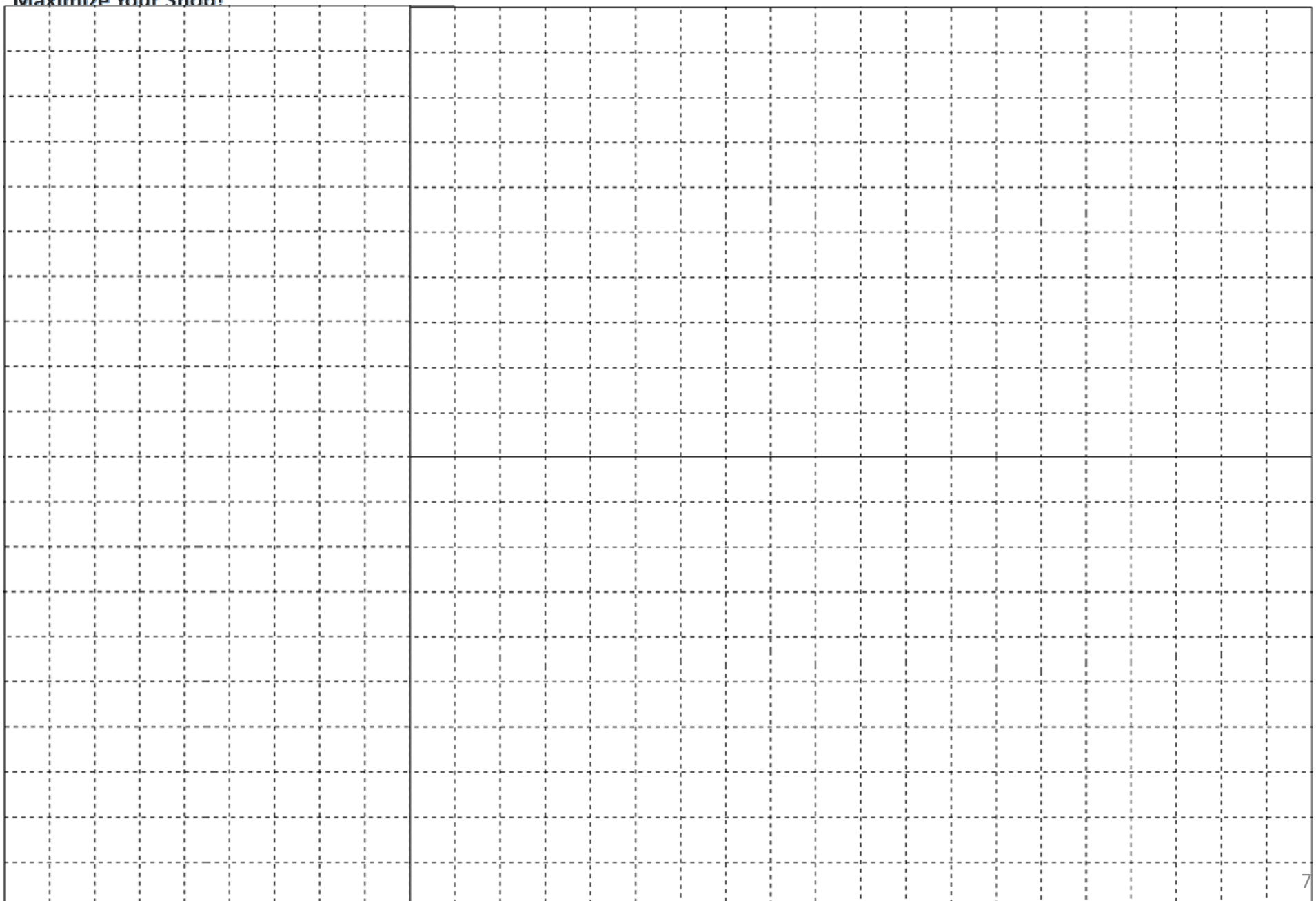

Scale Machine Templates

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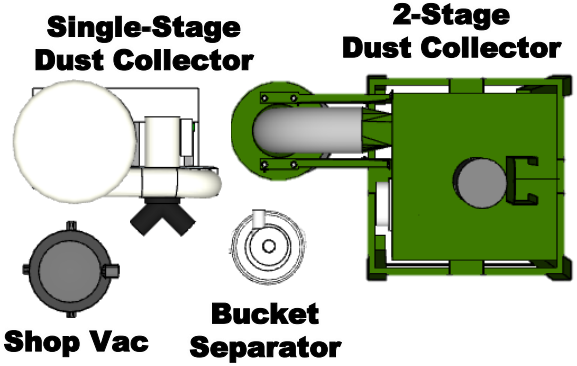

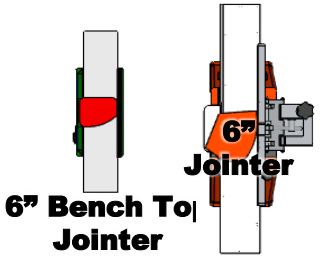

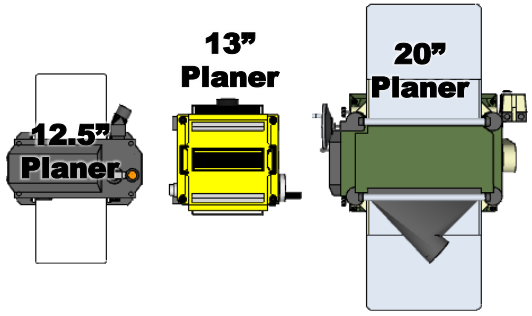

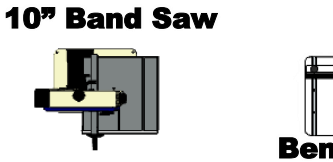

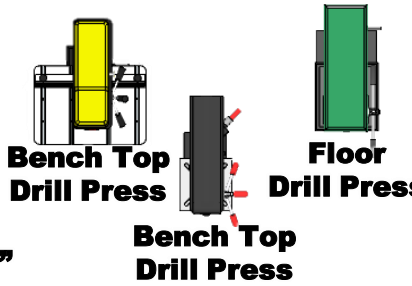

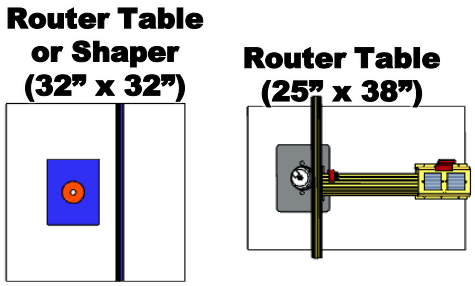

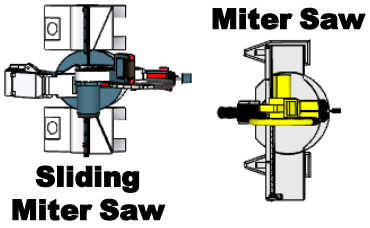

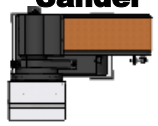

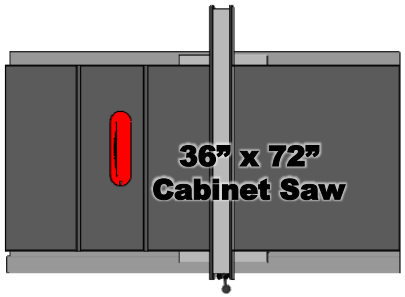

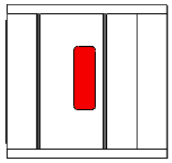

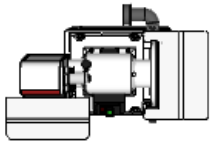

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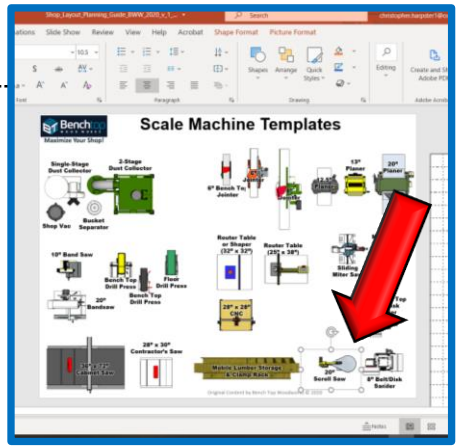
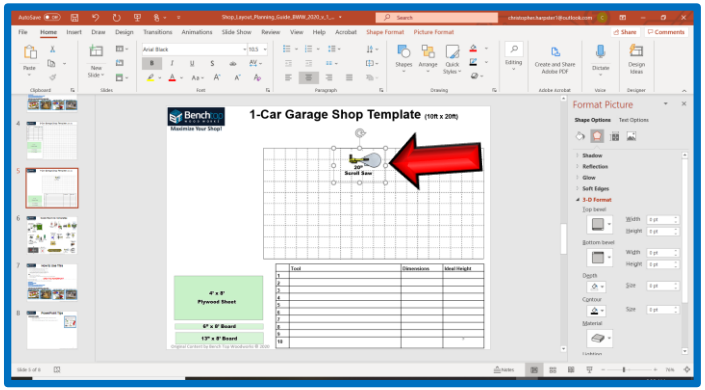
PowerPoint Editing Tips

Maximize Your Shop!

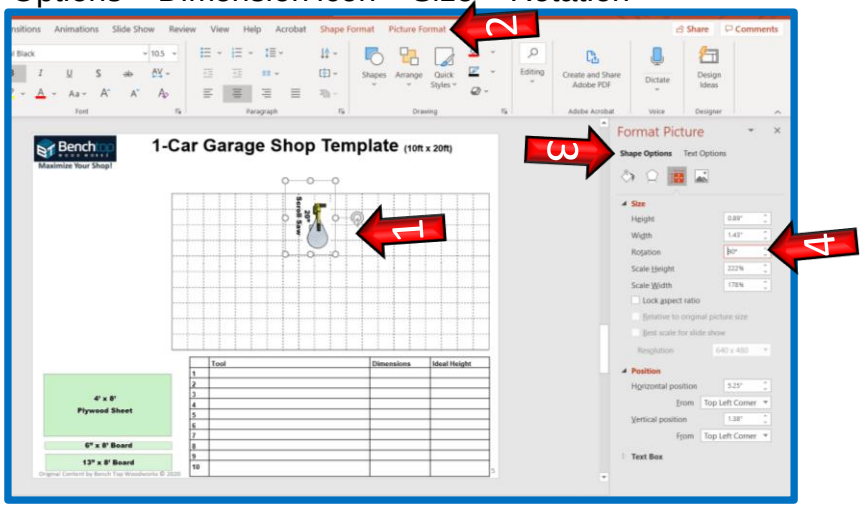
How to move & rotate:

1. Go to the machine templates page, select the machine you want.----------
2. Right Click & “Copy”
3. Go to the shop template page and “Paste”, drag to where you want it.





4. To precisely rotate: Select the item> format picture or shape > Shape Options > Dimension icon > Size > Rotation



5. To remove text: select the machine area (both text and machine will select), click a 2nd time directly on the text, edit delete the text as needed.

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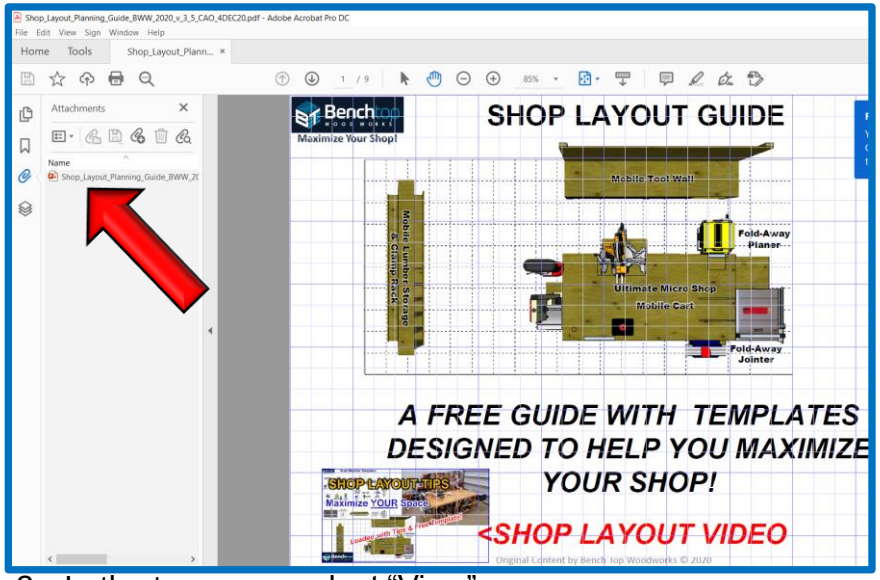
PowerPoint Opening Tips

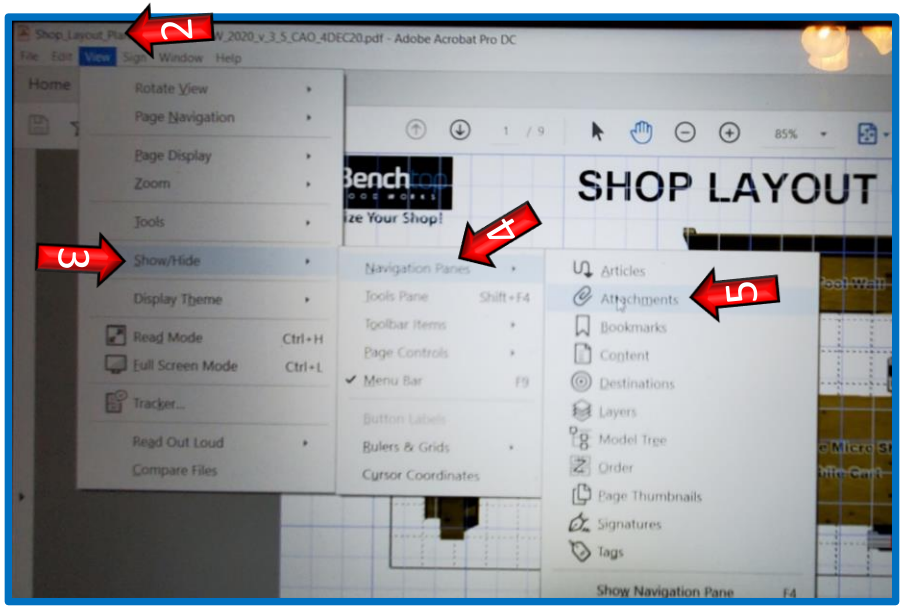
How to Located and Open the Attached .pptx File:

Note: There is an attached Microsoft PowerPoint File attached to this PDF for your use! Some folks have had difficulty locating and opening it. These instructions are for Adobe PDF viewer, if you are using a different program the steps will be similar, but specific to your PDF Viewer. The Powerpoint file must be opened on a computer with PowerPoint installed or using a program like Google Documents.

1. Look to the Left Side of your PDF Reader. If the File is not visible, follow the next steps:



2. In the top menu select “View”
3. Select “Show/Hide”
4. Select “Navigation Panes”
5. Select “Attachments”



6. The attachment bar will open and the .PPTX files will be visible. Select and open the file!

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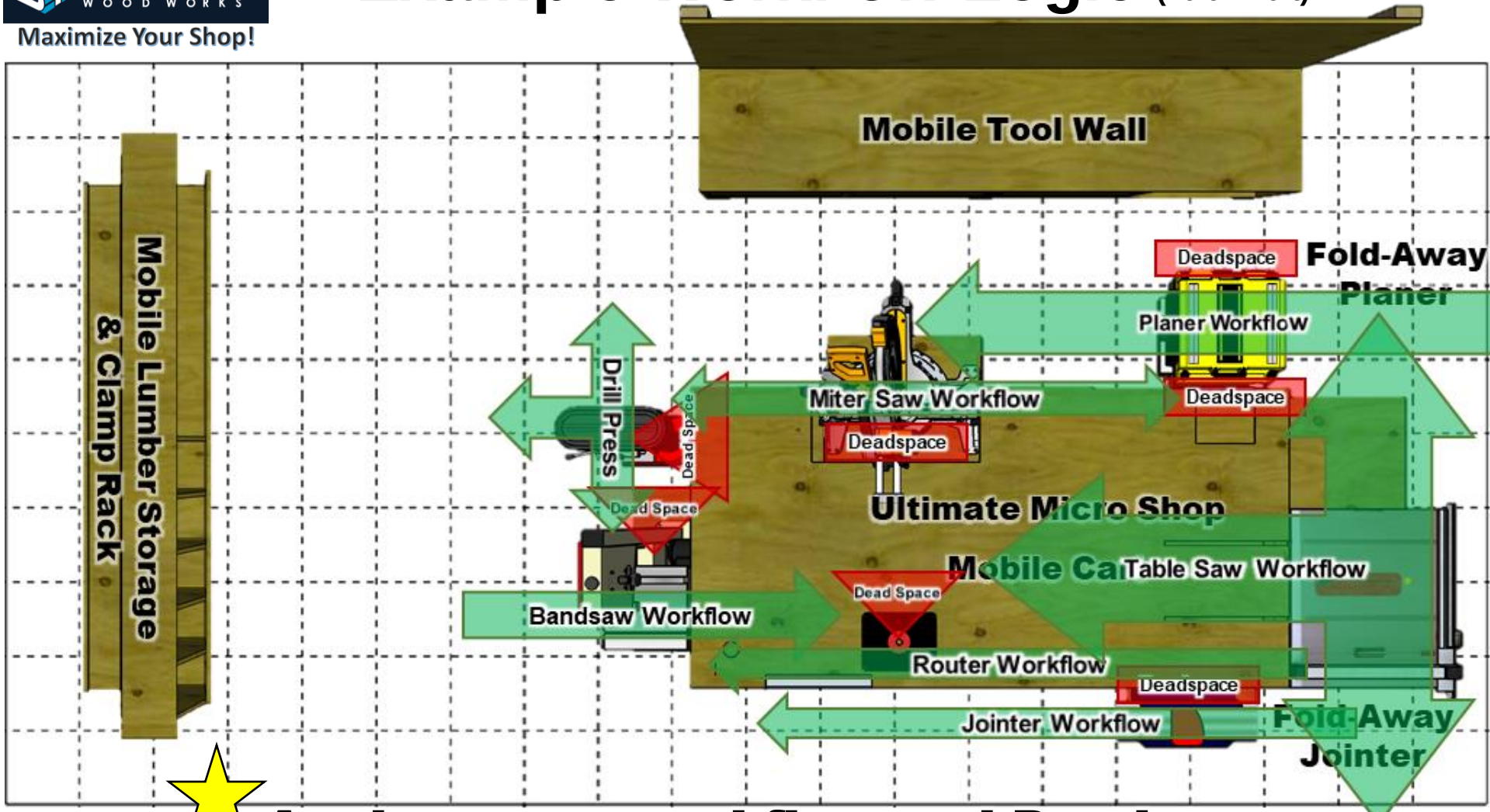
Example Workflow Logic (20ft x 10ft)



Analyze your workflow and Dead Space for each machine! Identify Interferences and Capacities for each

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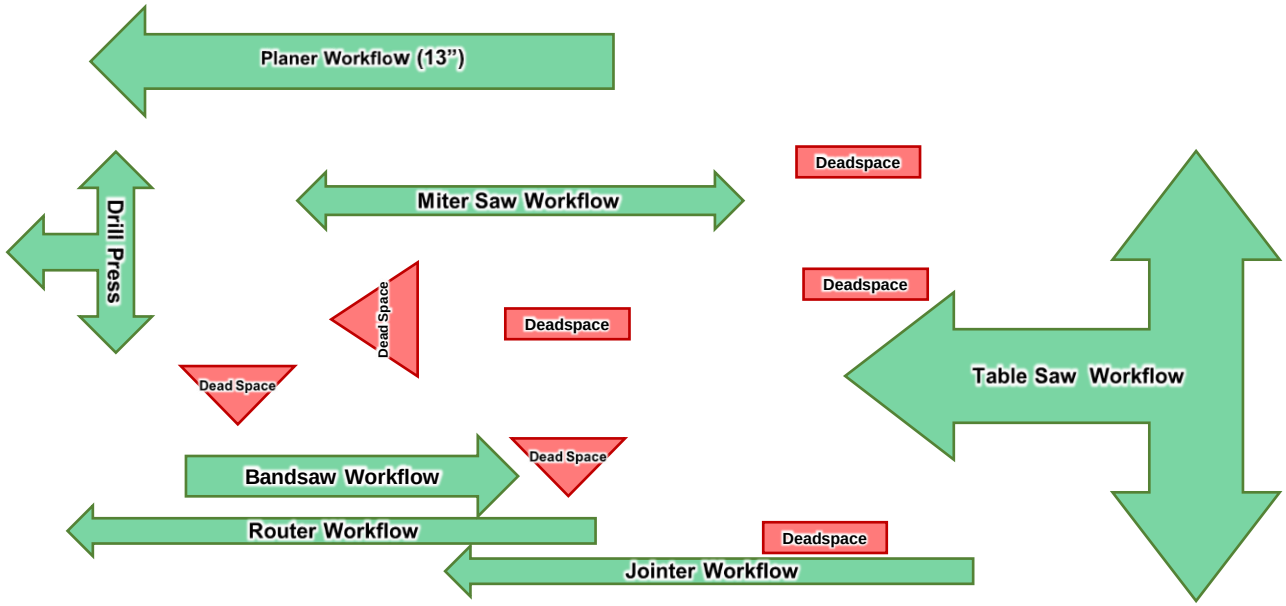
Workflow Arrows Template (20ft x 10ft)



Use these Arrows to Analyze your workflow and Dead Space for each machine

4' x 8'
Plywood Sheet

13" x 8' Board

6" x 8' Board

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