Benchtop WOOD WORKS
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. Use all possible space under workbenches and on walls.*

OPEN THE POWERPOINT

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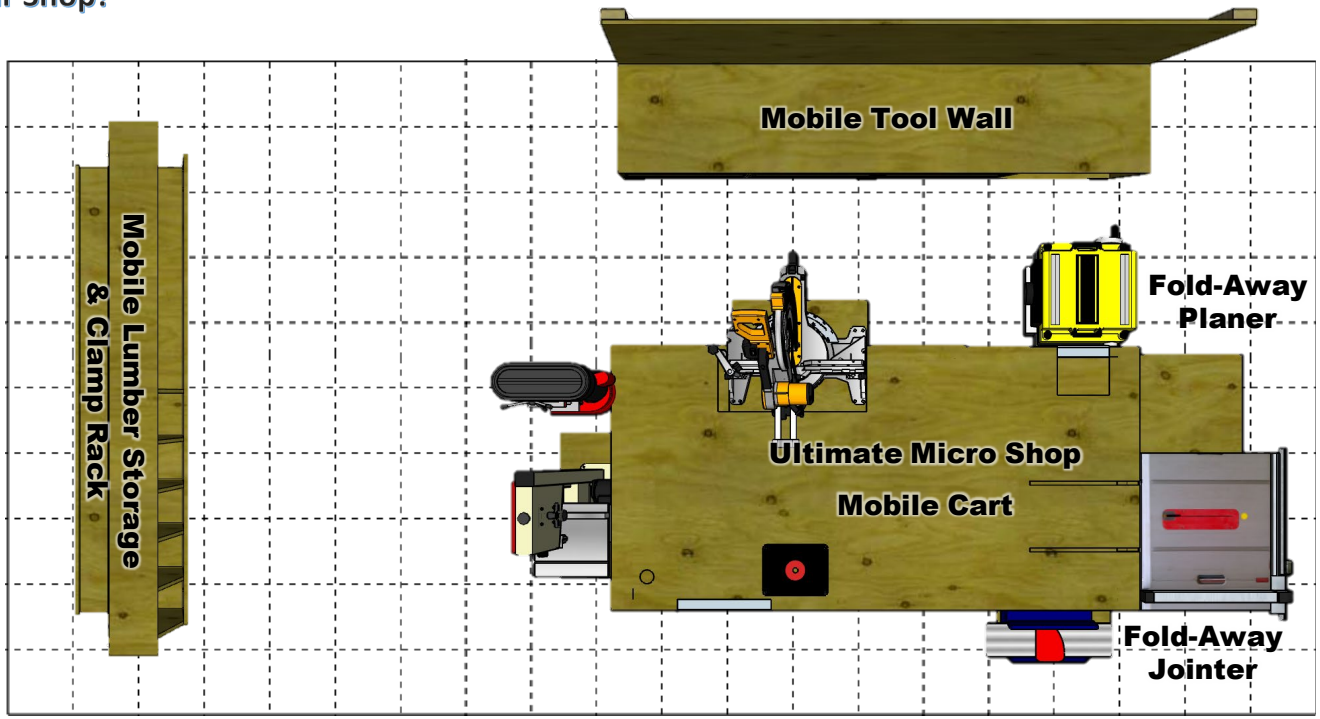
My Current Shop Layout (20ft x 10ft)



13” x 8’ Board

6” x 8’ Board

4’ x 8’ Plywood Sheet

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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 *(NEED SOME POWERPOINT TIPS?)*
- Move, rotate, and Arrange the machine icons on your template page
- Print as desired

OPEN THE POWERPOINT

Additional Resources

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

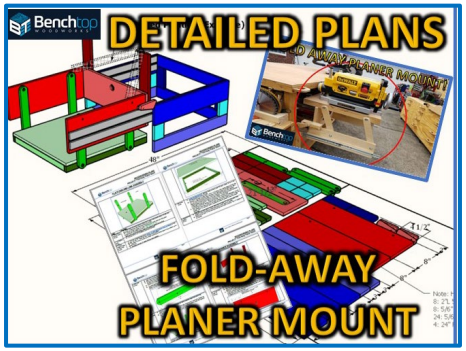
My Website
My Youtube Channel
My Instagram
Find out about Unlimited Plans on Patreon
All of my plans are available on Etsy

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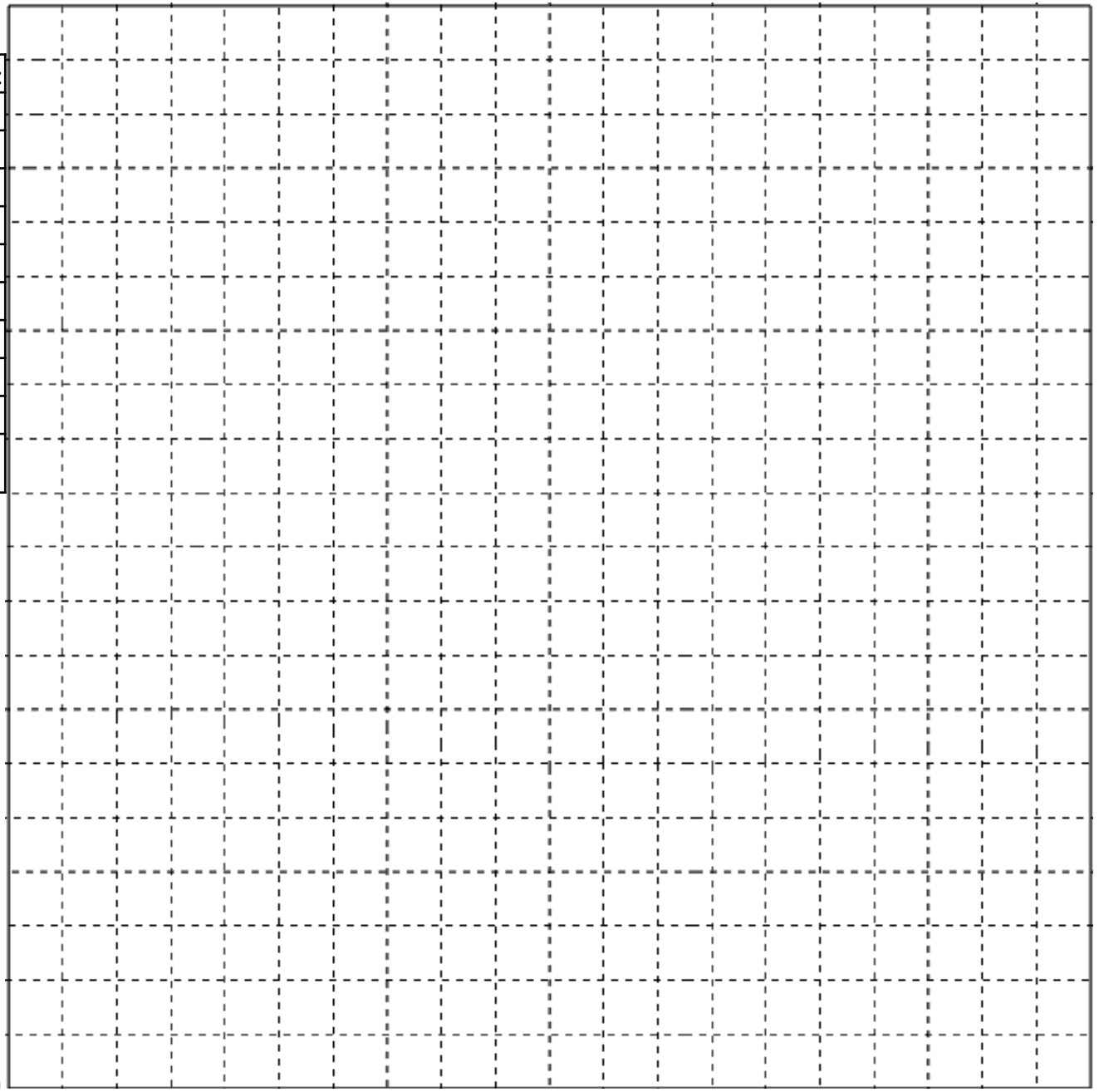
	Tool	Dimensions	Ideal Height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

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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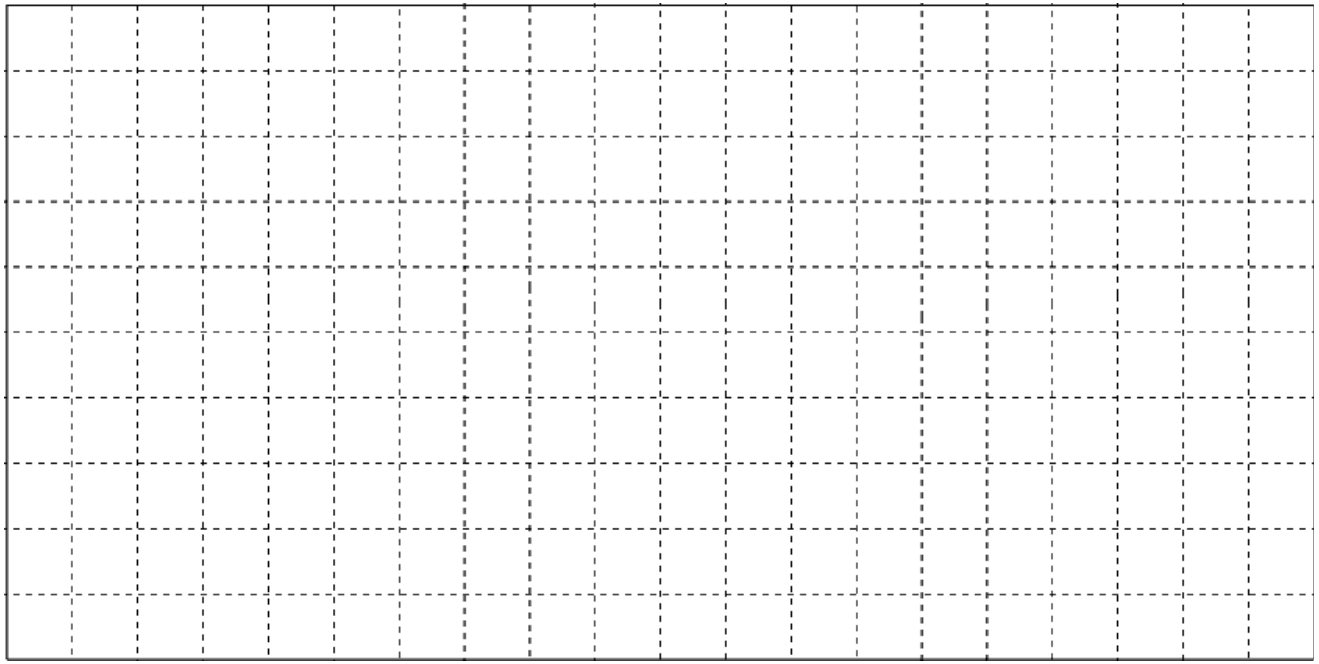

	Tool	Dimensions	Ideal Height
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2			
3			
4			
5			
6			
7			
8			
9			
10			

4’ x 8’

Plywood Sheet

6” x 8’ Board

13” x 8’ Board

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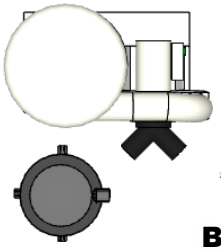
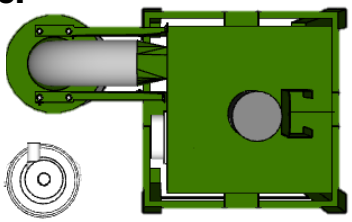
Scale Machine Templates

Single-Stage Dust Collector



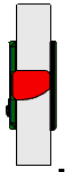
Shop Vac

2-Stage Dust Collector



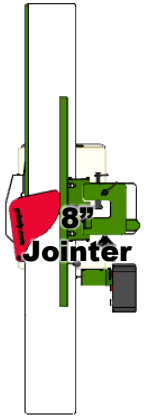
Bucket Separator

6" Bench Top Jointer

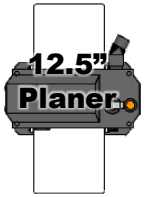


6" Jointer

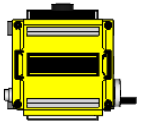
8" Jointer



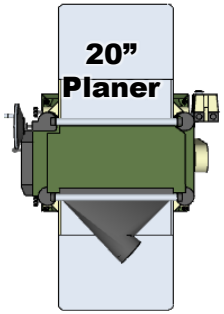
12.5" Planer



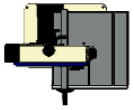
13" Planer



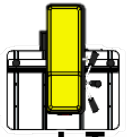
20" Planer



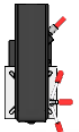
10" Band Saw



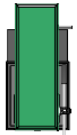
Bench Top Drill Press



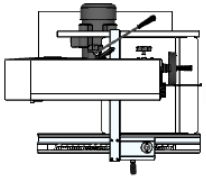
Bench Top Drill Press



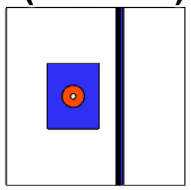
Floor Drill Press



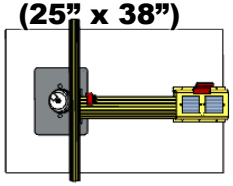
20" Bandsaw



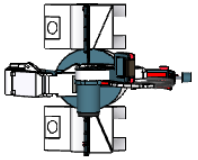
Router Table or Shaper (32" x 32")



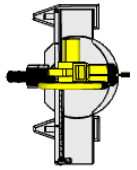
Router Table (25" x 38")



Sliding Miter Saw

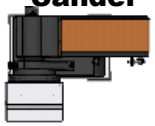


Miter Saw

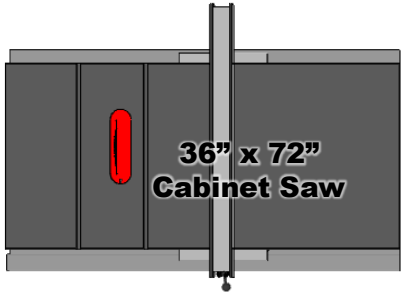


28" x 28" CNC

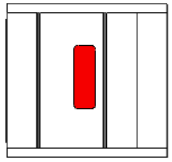
6" Bench Top Belt/Disk Sander



36" x 72" Cabinet Saw

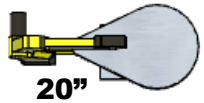


28" x 30" Contractor's Saw

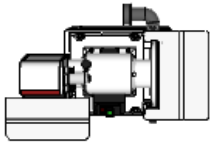


Mobile Lumber Storage & Clamp Rack

20" Scroll Saw



8" Belt/Disk Sander



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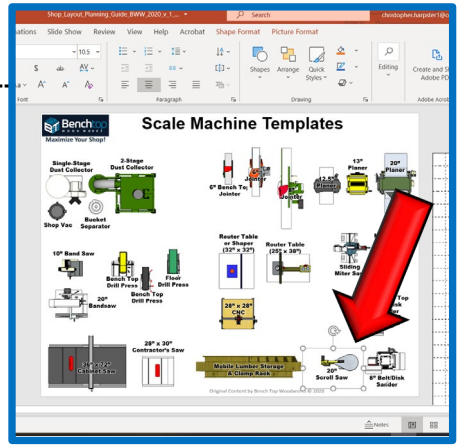
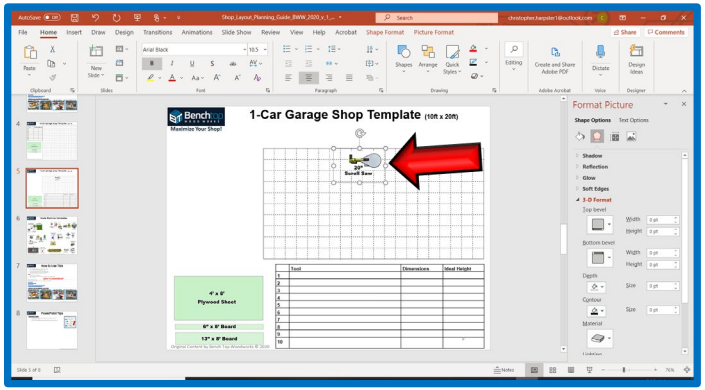
PowerPoint Tips

How to move & rotate:

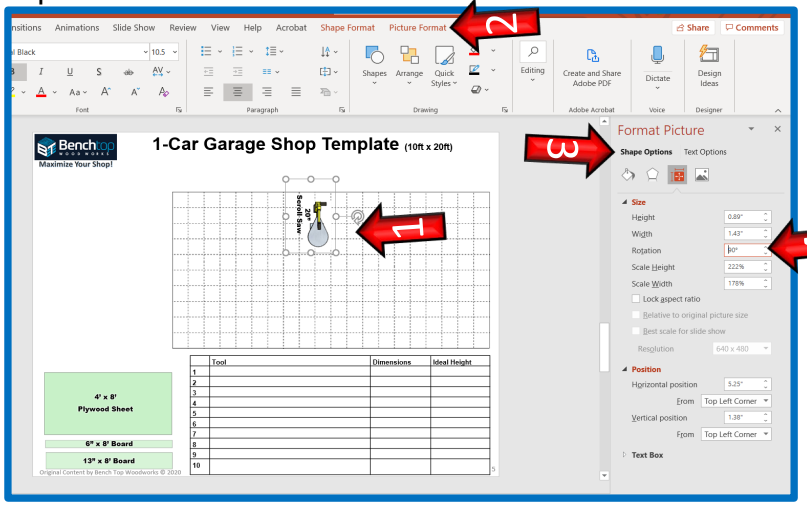
1. Go to the machine templates page, select the machine you want.----------



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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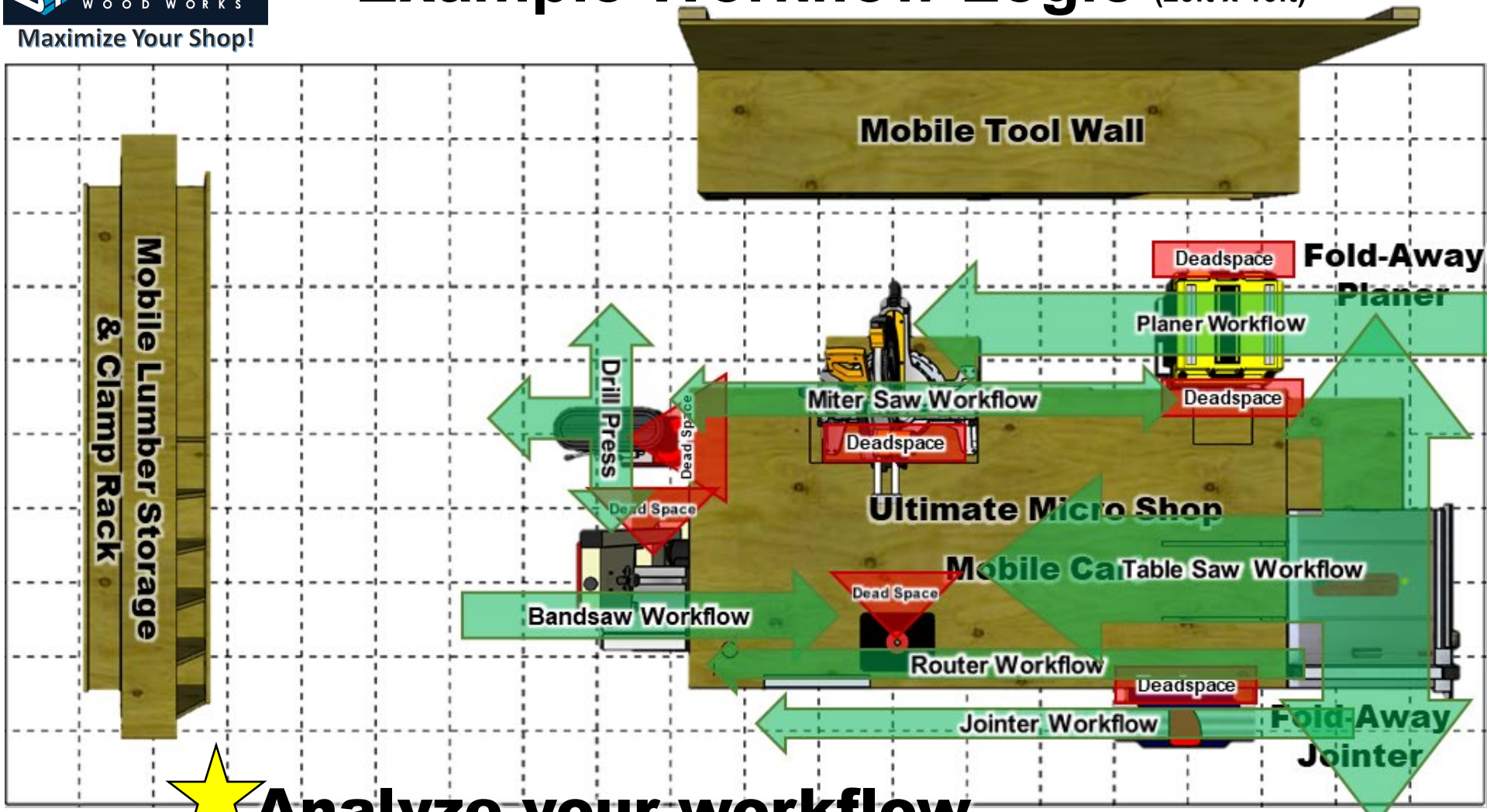
Example Workflow Logic (20ft x 10ft)



Analyze your workflow and Dead Space for each machine!

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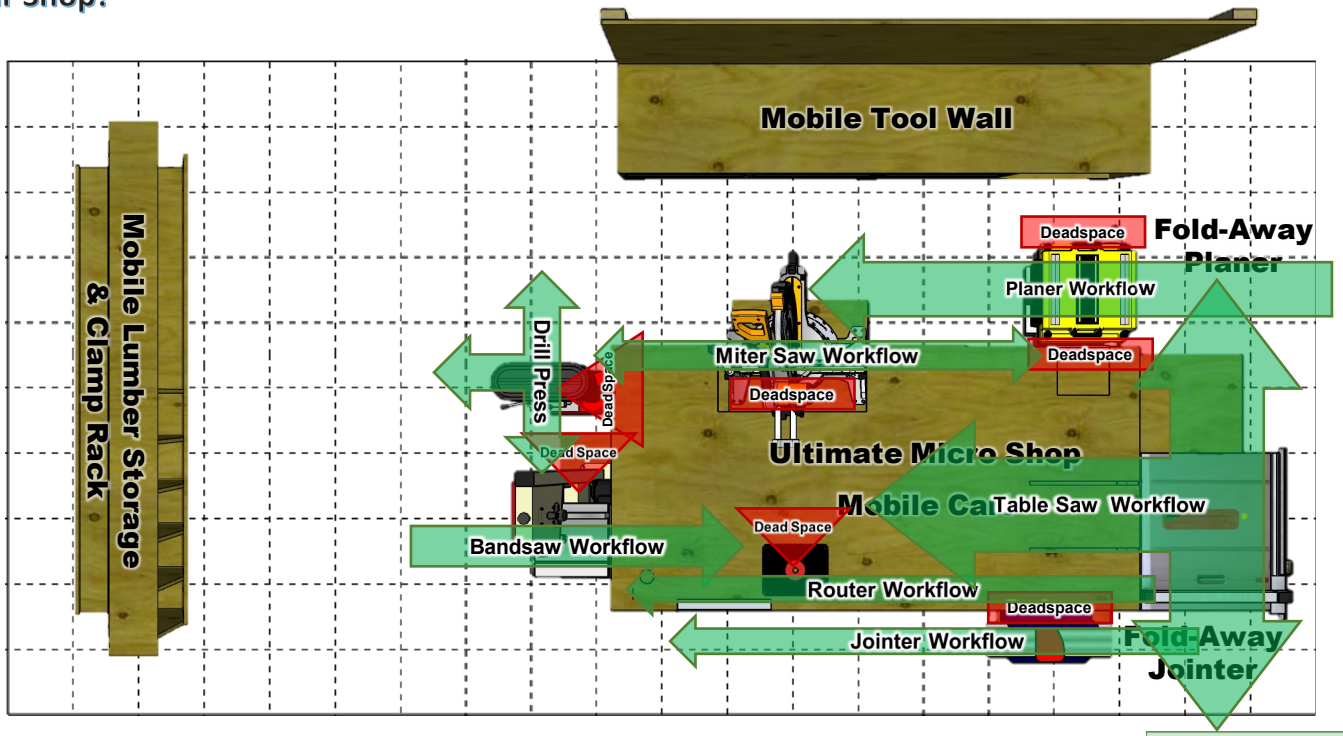
Workflow Templates (20ft x 10ft)



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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