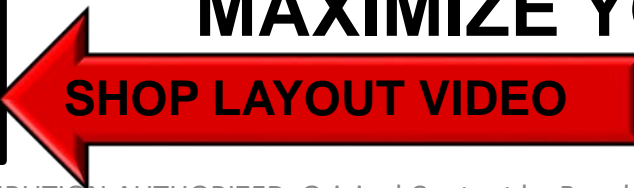


**A FREE GUIDE WITH TEMPLATES
DESIGNED TO HELP YOU
MAXIMIZE YOUR SHOP!**



How to Use This

Maximize Your Shop!

NOTE: IF YOU ARE VIEWING THIS AS A “FILE-PREVIEW” IN A WEB BROWSER, YOU NEED TO FULLY DOWNLOAD THE PDF TO VIEW THE EMBEDDED POWERPOINT & LINKS.

Open this file in PowerPoint (THE POWERPOINT FILE IS ATTACHED TO THIS PDF)

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

OR (FOR THOSE THAT PREFER ANALOG)

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

[OPEN THE POWERPOINT](#)

[DOWNLOAD THE POWERPOINT](#)

Additional Resources

 [Website: Benchtopwoodworks.com](http://Benchtopwoodworks.com)

 [Youtube Channel](#)

 [Find out about Unlimited Plans on Patreon](#)

 [Instagram](#)

 [All of my plans are available on Etsy](#)

Plans to Help You Maximize Your Shop:

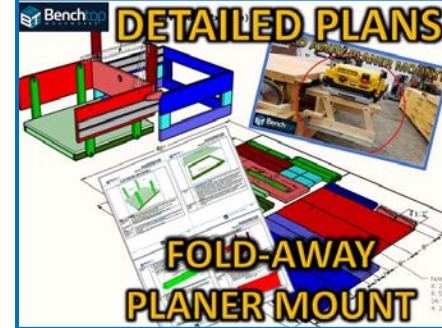
Complete Mobile Shop:



My Mobile Tool Wall:



My Planer Mount:



My Dust Collection:



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

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Maximize Your Shop!

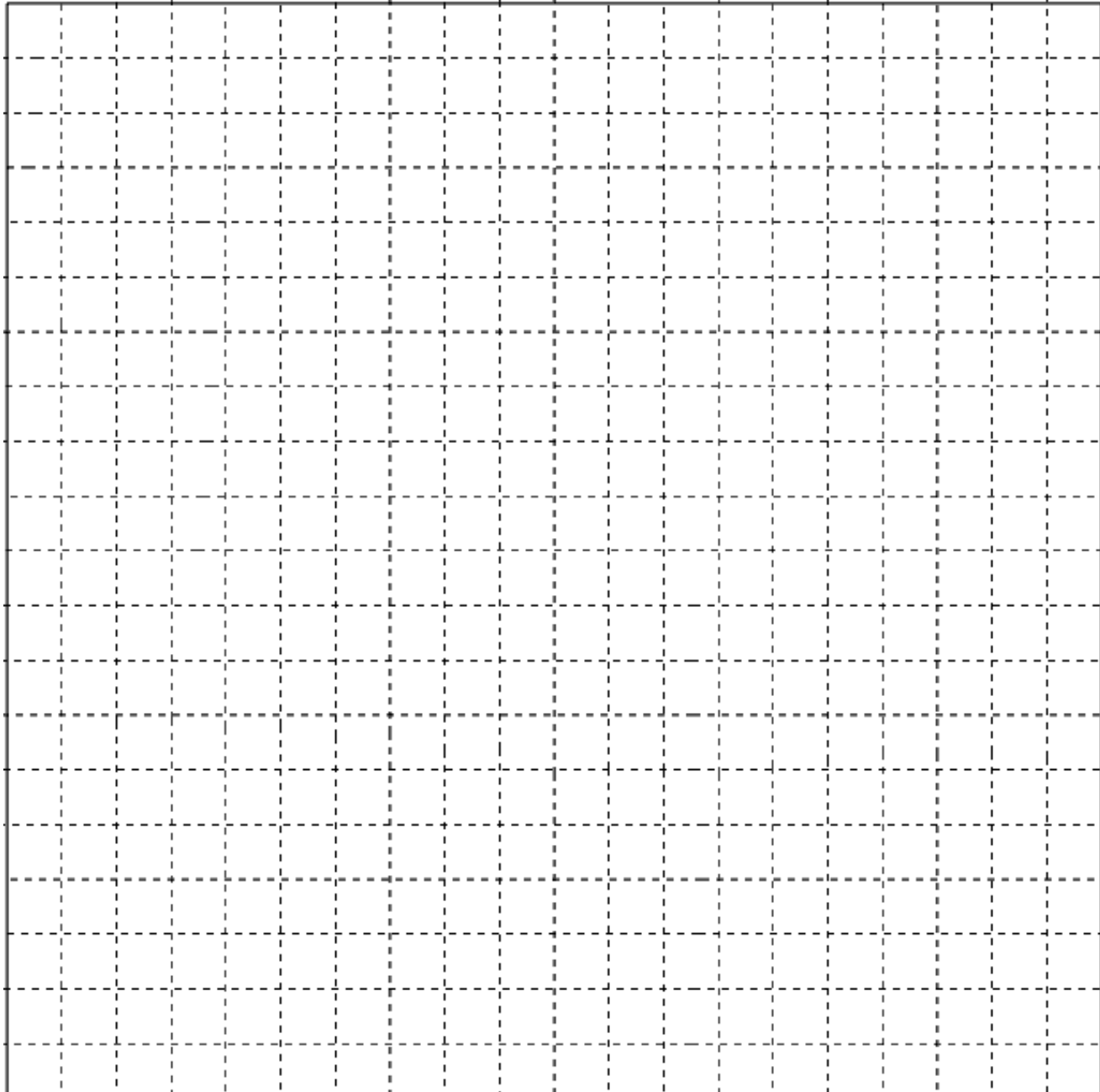
MACHINES

4' x 8'
Plywood Sheet

6" x 8' Board

13" x 8' Board

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

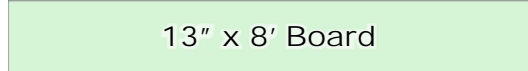
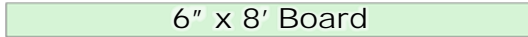
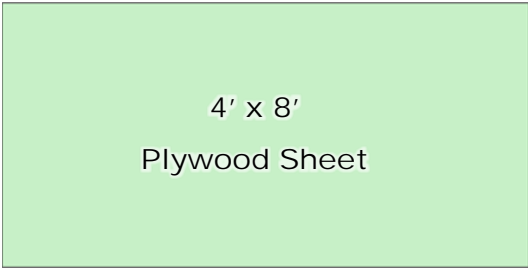
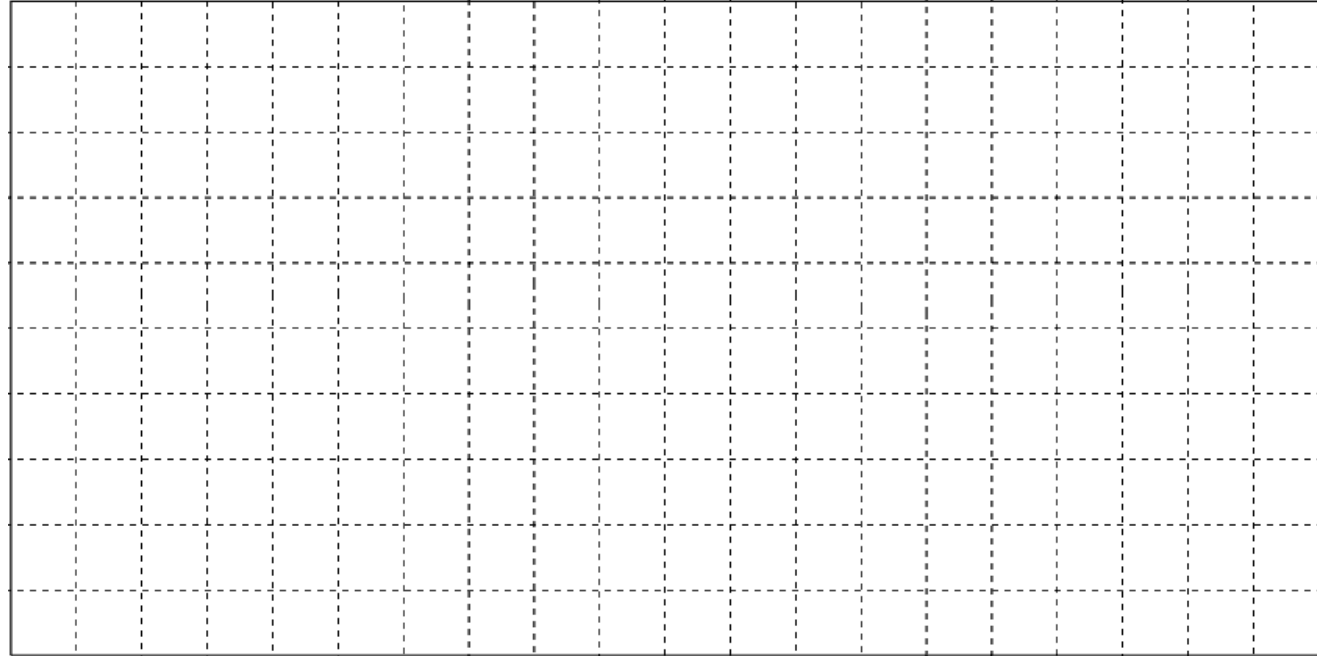


1-Car Garage Shop Template (10ft x 20ft)

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Maximize Your Shop!

MACHINES

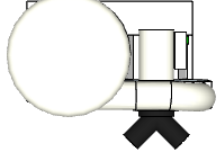


	Tool	Dimensions	Ideal Height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

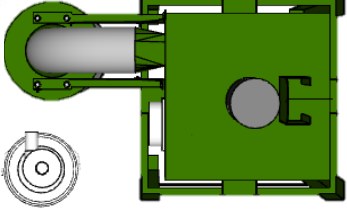
Scale Machine Templates

Maximize Your Shop!

Single-Stage Dust Collector



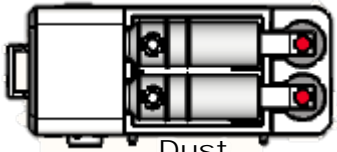
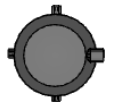
2-Stage Dust Collector



Bucket Separator

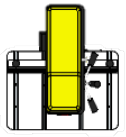
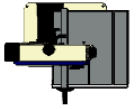


Shop Vac

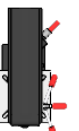


Dust Processor

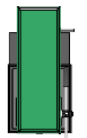
10" Band Saw



Bench Top Drill Press



Bench Top Drill Press



Floor Drill Press

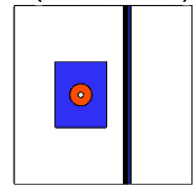


2-CAR TEMPLATE

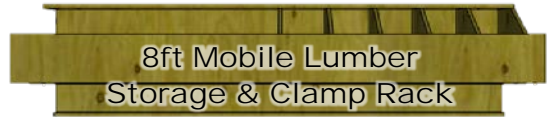
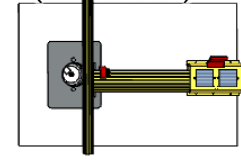


1-CAR TEMPLATE

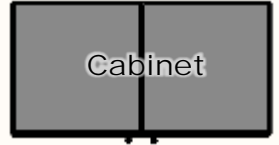
Router Table or Shaper (32" x 32")



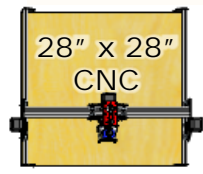
Router Table (25" x 38")



8ft Mobile Lumber Storage & Clamp Rack

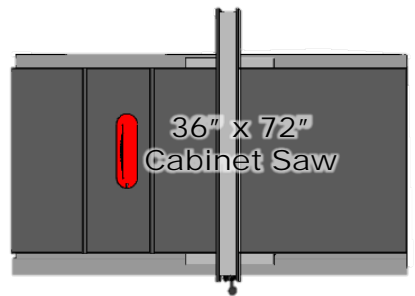
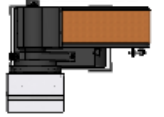


Cabinet



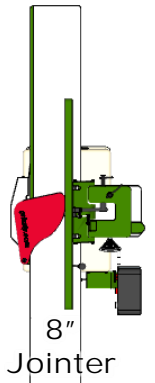
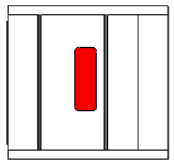
28" x 28" CNC

6" Bench Top Belt/Disk Sander

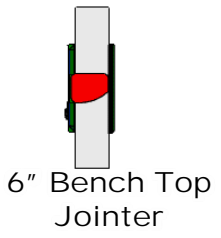


36" x 72" Cabinet Saw

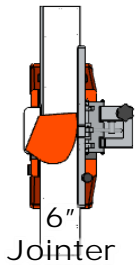
28" x 30" Contractor's Saw



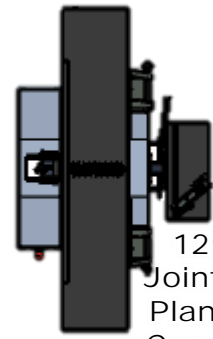
8" Jointer



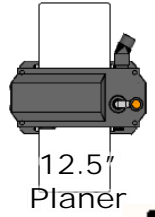
6" Bench Top Jointer



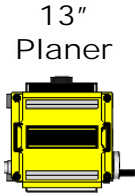
6" Jointer



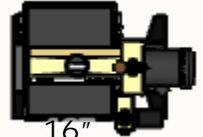
12" Jointer Planer Combo



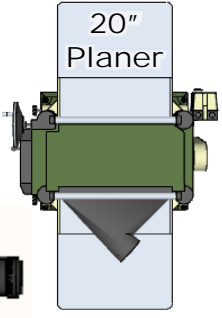
12.5" Planer



13" Planer



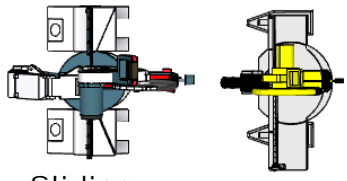
16" Drum Sander



20" Planer

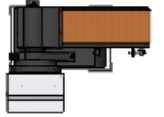
- Use these scale machine models to help plan your shop layout to Maximize Your Shop's Space!
- Plan the perfect layout for the tools/machines that you have in your workflow.
- See the interferences on paper rather than after you build or move things
- Print and cut or arrange digitally

Miter Saw

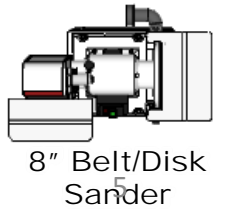


Sliding Miter Saw

6" Bench Top Belt/Disk Sander

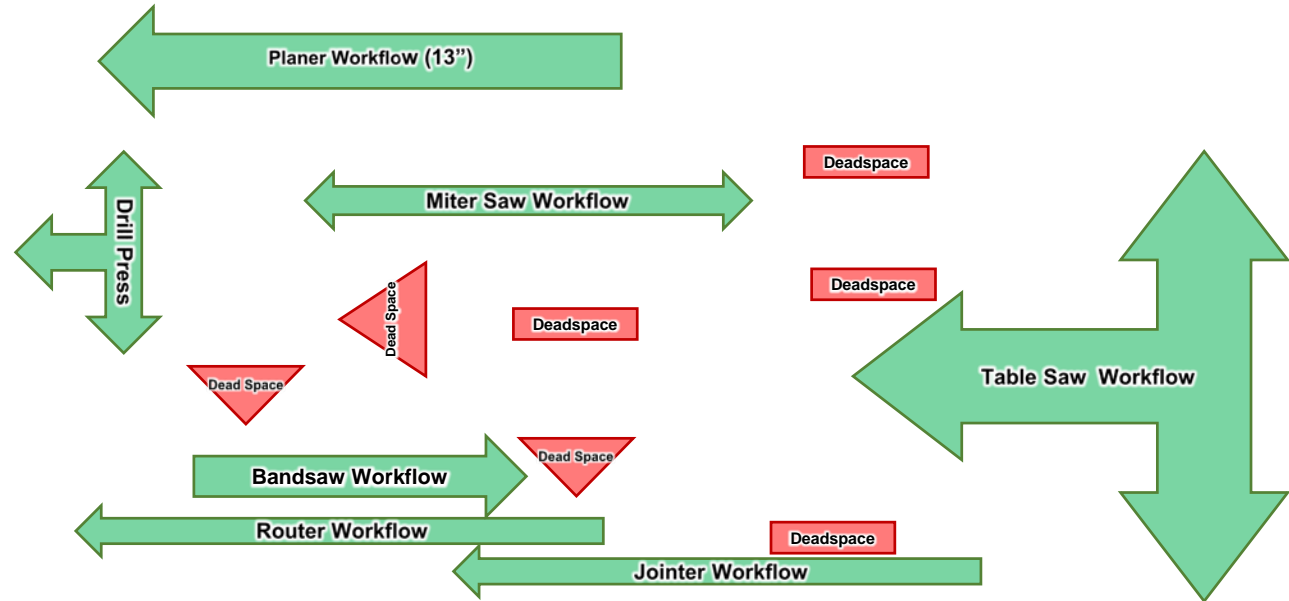


20" Scroll Saw



8" Belt/Disk Sander

Workflow Arrows Template



**2-CAR
TEMPLATE**

**1-CAR
TEMPLATE**

★ *Use these Arrows to Analyze your workflow, capacities and Dead-Space for each machine* ★

4' x 8'
Plywood Sheet

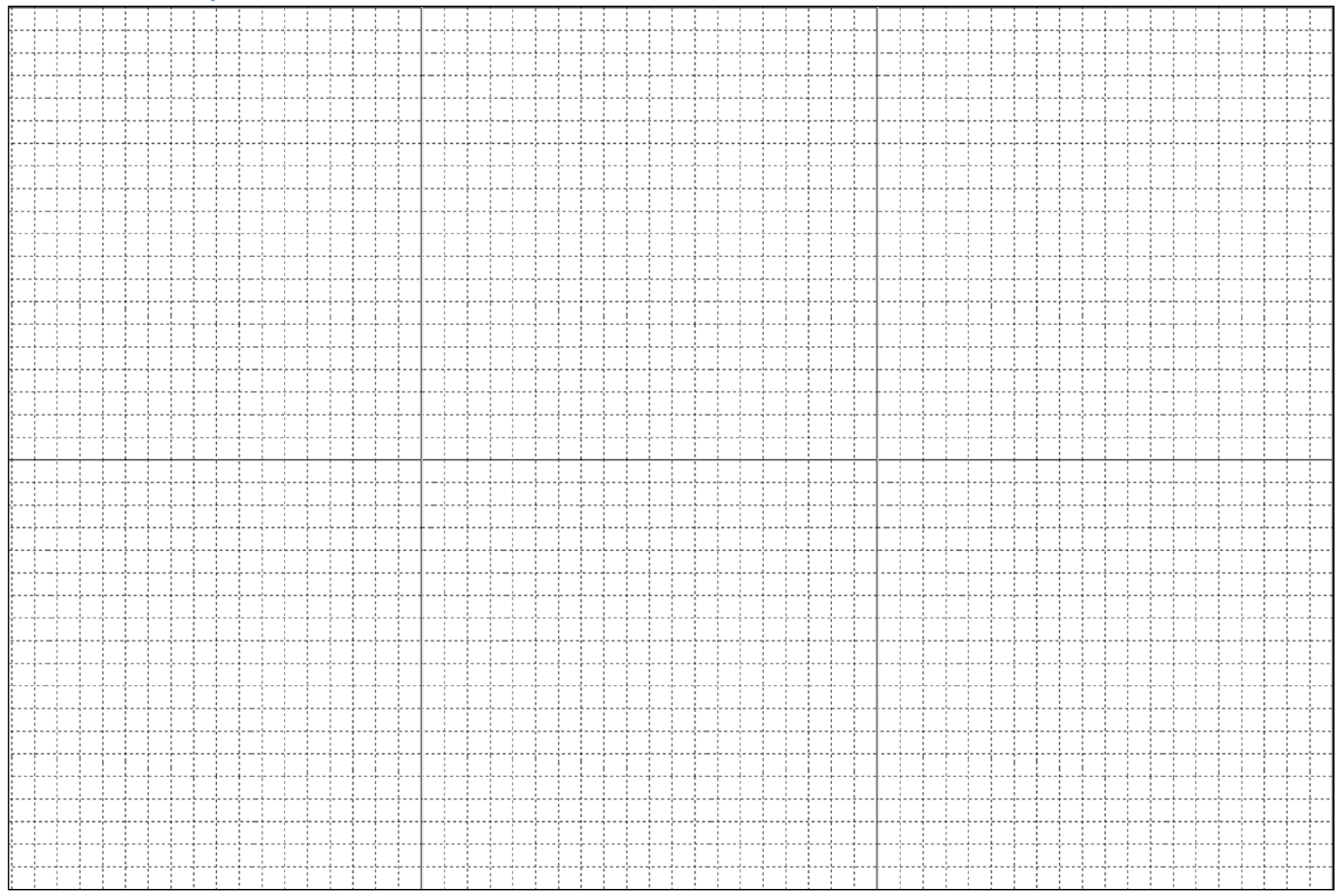
13" x 8' Board

6" x 8' Board

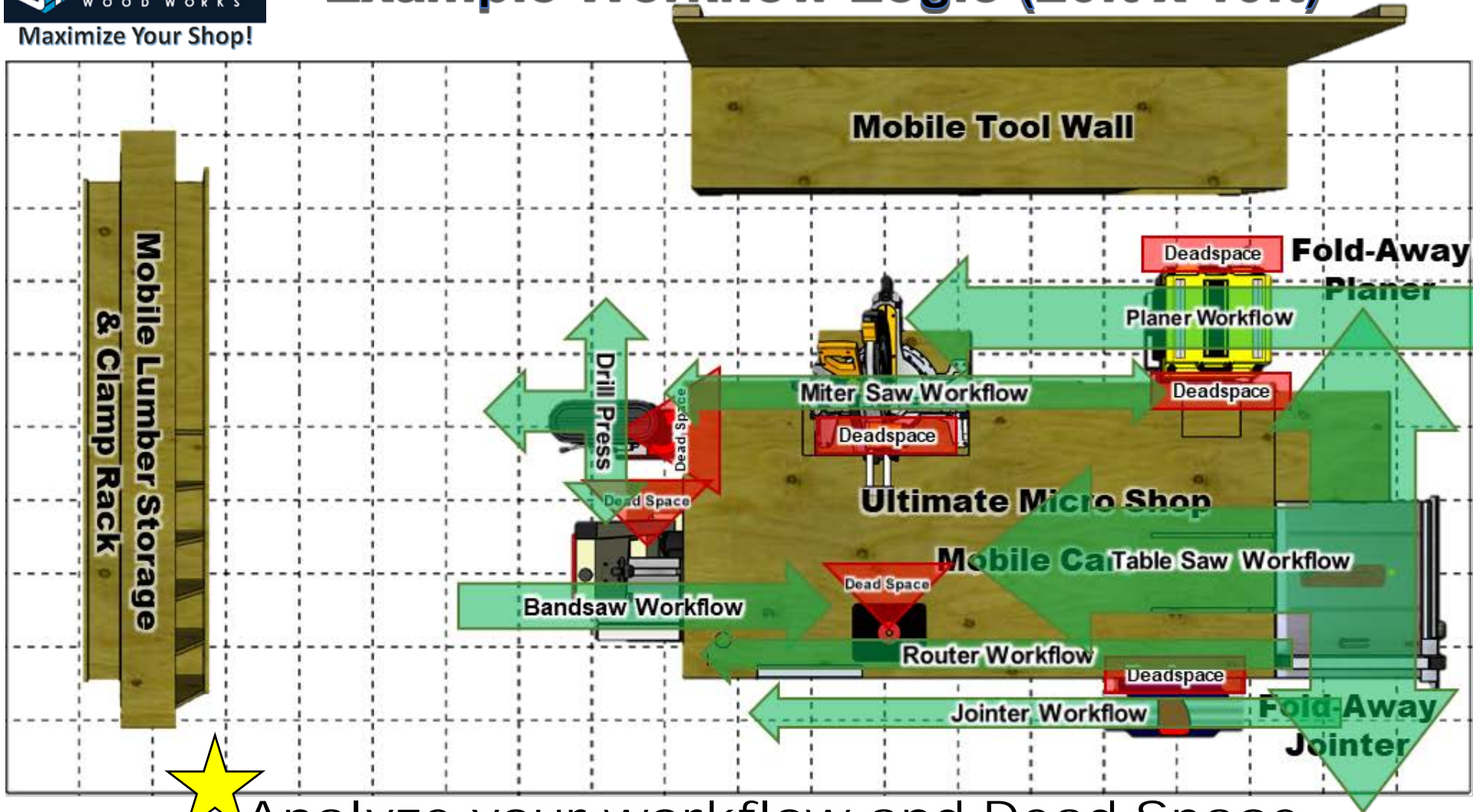
Generic Shop Template (58ft x 39ft)

MACHINES

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Example Workflow Logic (20ft x 10ft)



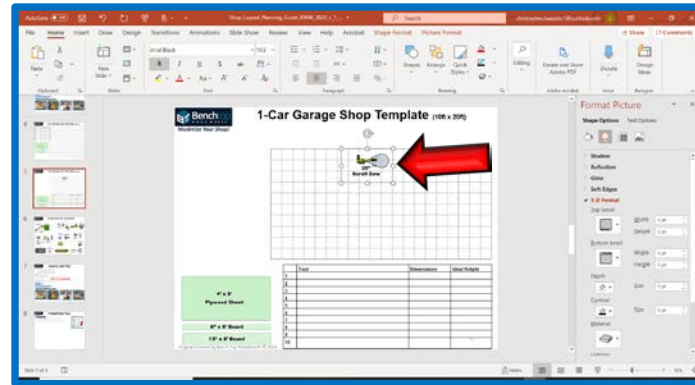
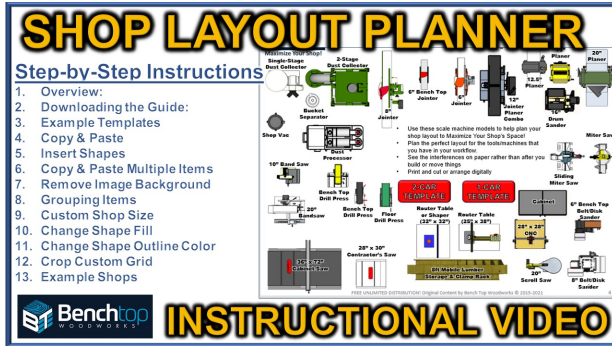
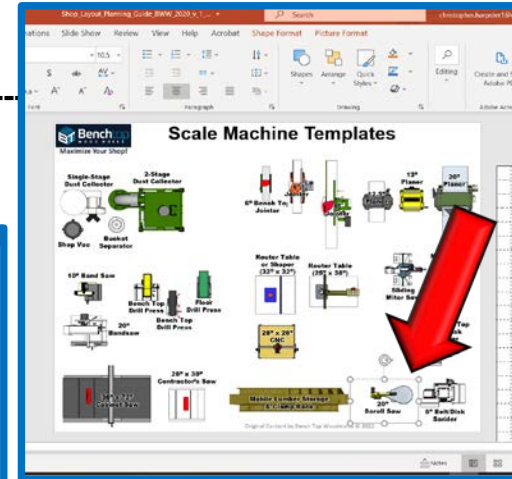
Analyze your workflow and Dead-Space for each machine! Identify Interferences and Capacities for each

PowerPoint Editing Tips

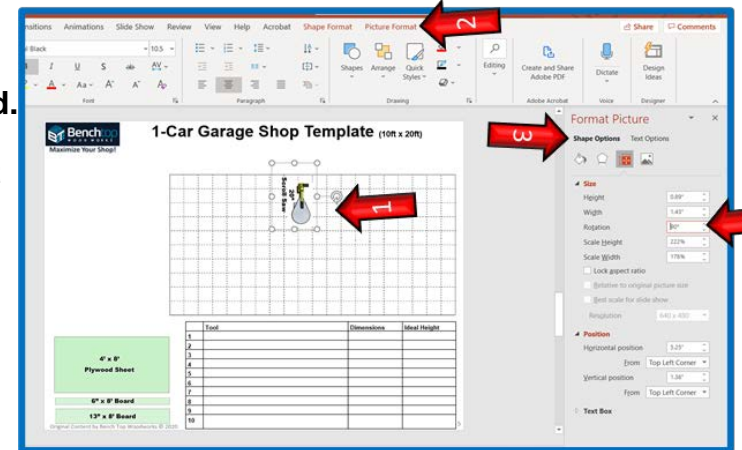
Maximize Your Shop!

How to move & rotate Machines:

1. Go to the machine templates page, select the machine you want.
2. Right Click & “Copy” (“CTRL-C”)
3. Go to the shop template page and “Paste”, (“CTRL-V”) 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.
6. Add Shapes to represent the other benches, cabinets and machines not included. You can also re-size machines to suit your actual machines.



Embedded PowerPoint

Alternate



Download Here if Embedded File Doesn't Open

Back to Top

9x Shop Layout Tips!

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

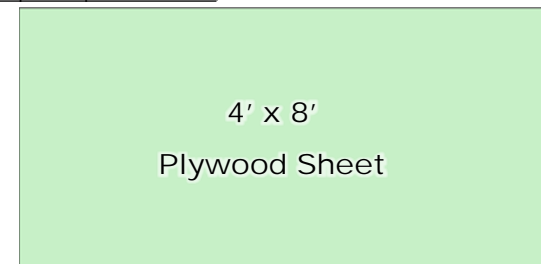
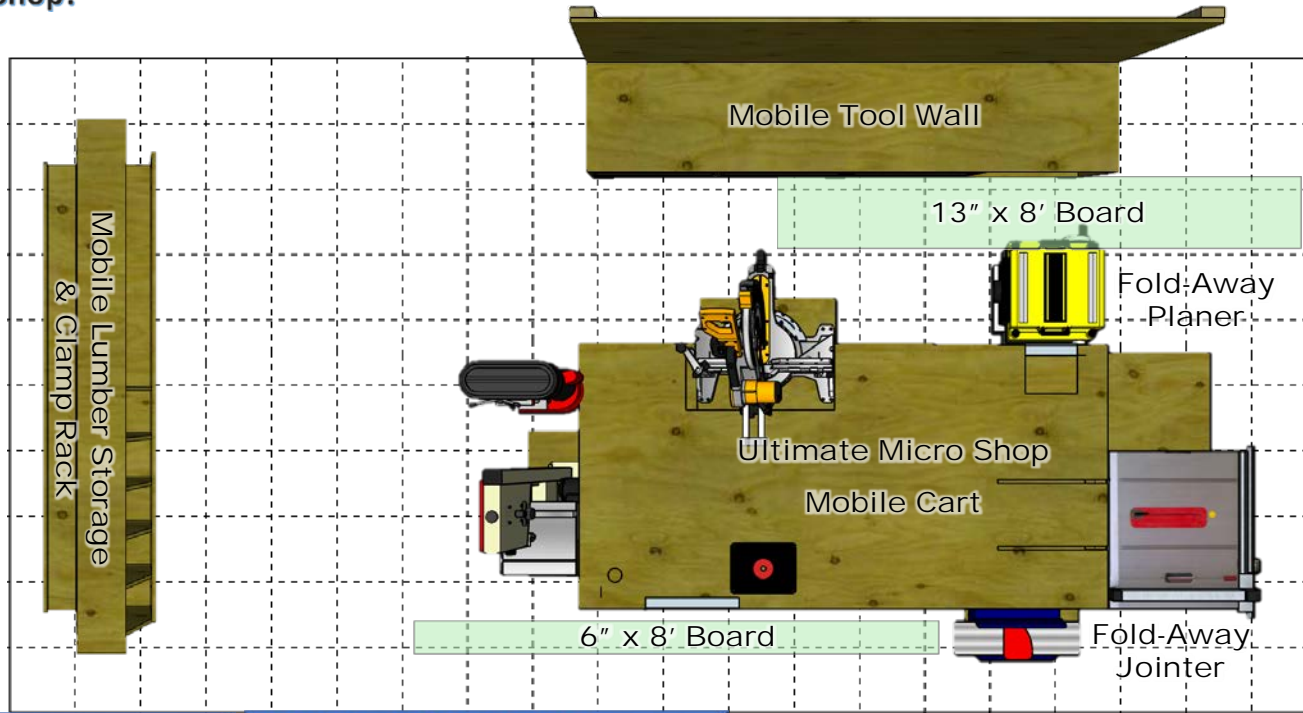
1. Keep material storage close to where they will enter the shop
2. Place machines used to break down and mill close to material storage
3. Align work flows so that they are parallel (Long runs for: Milling, Table Saw, Miter Saw, Band Saw, etc should all be parallel if possible)
4. Align “dead-space”, 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.

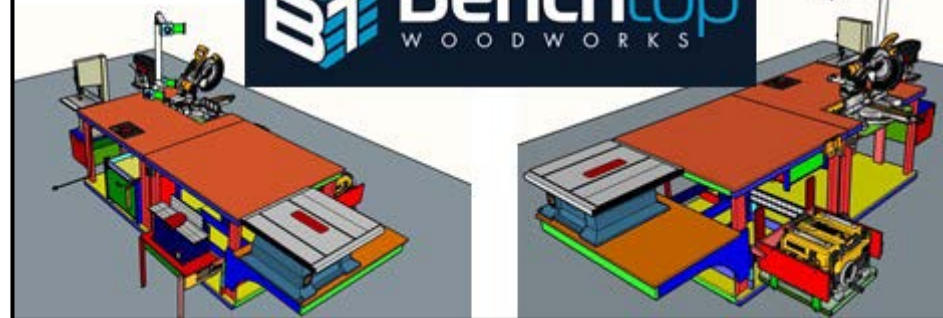
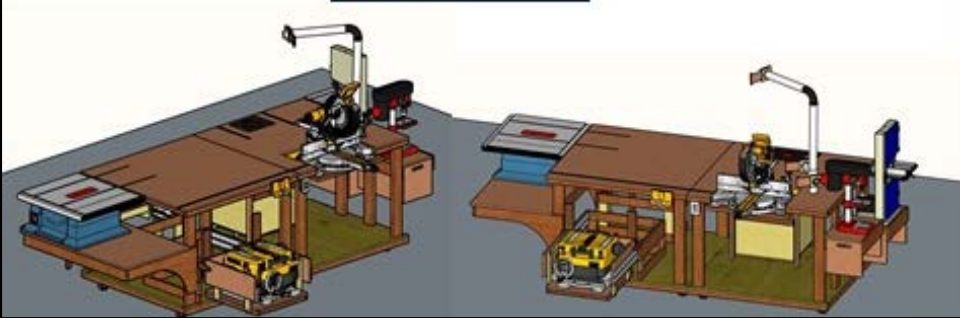
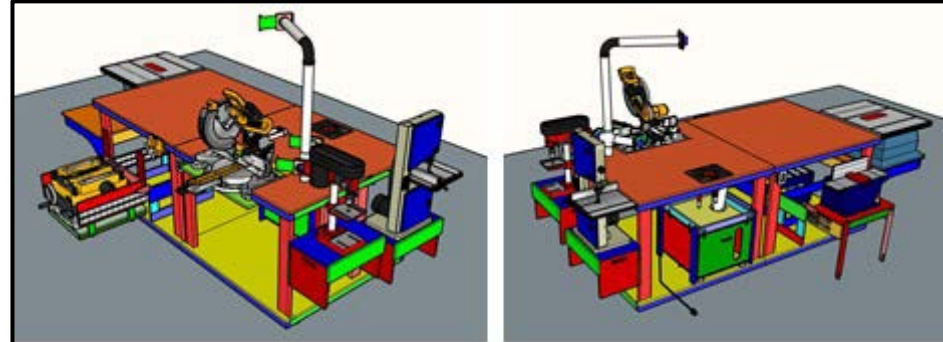
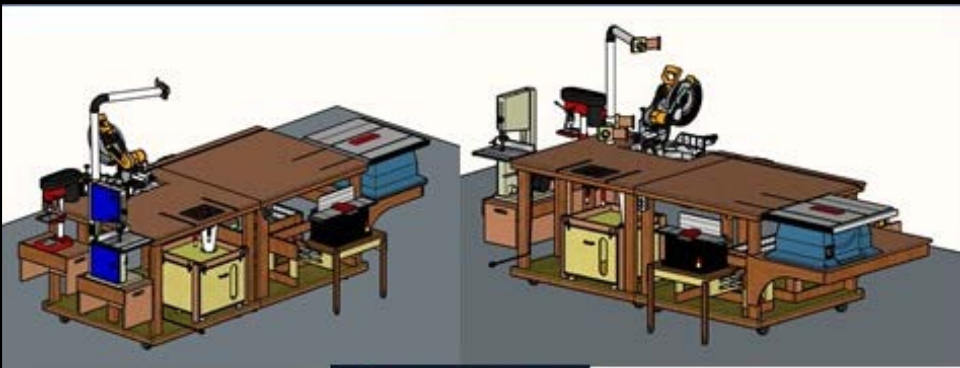
EXAMPLE: *A jointer and planer are best at or just below waist level, a scroll saw can be used while seated. I use this concept of “thinking 3-D” in my fold away planer and jointer mounts to store machines in “un-used space” under the bench. I also used this same concept to locate my dust collection under my workbench as opposed to wall or ceiling mounted.*

My goal is to give you some tips & tools to help you visualize ways you can make the most of your shop space.

[OPEN THE EMBEDDED POWERPOINT](#)
[DOWNLOAD THE POWERPOINT](#)

My Current Shop Layout (20ft x 10ft)





My Story:

I grew up woodworking and apprenticing under my father. He was a shop teacher for 33 years & a woodworker his entire life. Some of our best memories were in the shop or on the job-site. I'm an engineer by training, but leader by trade. I've moved around 6x during the past 10 years for my job in the Army. I've renovated several houses & built furniture for my family, friends and customers along the way. Its not easy to keep a shop that's both fully-capable and moves easily, so I designed my layout to solve most of those challenges.

In 2015, I was encouraged to share some of my experience and passions for teaching, woodworking & doing so in a 'small' footprint. This was when I launched my business, Benchtop Woodworks. This has all been in my limited 'spare time' I have been deliberate to not allow it to compete with family time and other priorities. By purchasing one of my plans or made to order items, you've helped me to continue doing what I enjoy & support my family. I'm very grateful for your business and support. I hope this free shop layout guide helps you maximize your shop space! Feel free to share with others that might be able to get some use from it!

-Chris Harpster