Phase Dock WorkBench 2820 Wall-Mount System

Your package includes:

- One WorkBench 2820 wall-mount acrylic Base in the color you specified (actual dimensions 28” x 19.75” by 1/8” thick acrylic).
- One tempered hardboard mounting plate with pre-drilled assembly holes (actual dimensions 27.75” x 19.25” x 1/4” thick).
- Assembly Hardware:
  - Nine 7/8”-long coupler nuts which serve as the posts
  - Nine 1/2” truss-head 1/4-20 machine screws
  - Nine 5/8” flat-head 1/4-20 machine screws
  - Eighteen 1/4” washers

You provide the hardware needed to attach the mounting plate to your chosen location. See instructions below for recommendations.

READ THIS FIRST: Assembly considerations and sequence of steps:

[1] The mounting system includes a hardboard mounting plate that sits behind the WorkBench 2820 itself.

1. You assemble the provided mounting hardware onto the hardboard.
2. You then attach the hardboard to the wall using your preferred method and your hardware.
3. Simply slip the WorkBench 2820 Base onto the posts (and gently tighten the screws) to put the 2820 on and off the wall quickly and easily.

This method makes installation super simple for you:

1. The placement of the mounting hardware is precisely matched to the lasered 2820 Base.
2. Paint the Masonite to match your wall, if desired.
3. If mounting to studs, you can drive mounting screws directly through the hardboard into the studs anywhere you want.
4. Alternatively, when using other mounting methods (such as when studs are not available or placed correctly), you will need to mark and predrill the hardboard in the appropriate locations before using the mounting method of your choice.

[2] Before doing anything, decide where you intend to mount the WorkBench 2820 and get a plan together:

1. Make sure you have enough room overall, and around the sides by holding the hardboard mounting plate up on the wall. The WorkBench 2820 is about 1/4” larger overall than the hardboard. *Even without electronics*, it will extend about 1.5” from the wall. Once you install Clicks with electronics it might be two or more inches deep.
2. Check for interference/obstruction, especially if your installation is near a door that might swing into the mounted WorkBench 2820 and potentially damage your electronics. [Chris here: I actually faced that issue with the spot I mounted mine--there are cabinets next to that spot that could have damaged my electronics if I wasn't careful where I placed my WorkBench 2820 Wall-Mount.... 😊]

3. IMPORTANT: Figure out how you will attach the hardboard to the wall before deciding on a final location. This step may be the hardest part of the whole process, depending on the location and what the wall is made of.

[3] Decide if you want to paint the hardboard to match your wall. If so, paint and allow to dry before proceeding. [The photos below show hardboard painted to match the wall in Chris’s office.]

[4] Assemble the hardware to the hardboard per the detailed instructions/pictures below.

[5] Mount the hardboard to the wall using the method that works best for your specific location. See the link on [Page 4] for ideas. Your local hardware store should have everything you need.

[6] Set the WorkBench 2820 over the screw heads and gently tighten the screws onto the 2820.

[7] Start putting your electronics on the wall! 😊

Assemble your WorkBench 2820 Wall-Mount Base.

![Insert the flat head screw through the predrilled hole from the back. Top with a washer.](image1)

![Thread the post onto the flat head screw.](image2)

![Top with a washer. Thread the truss-head screw into the post.](image3)

One washer goes between the post and the hardboard to give the post a solid foundation on the hardboard. Mount all nine posts onto the hardboard mounting panel.

CAUTION: DO NOT OVERTIGHTEN THE POST. It is possible to pull the flat-head screw through the hardboard by over-torquing the post. Difficult, but possible.

Put the second washer onto the truss-head machine screw. (That washer will sit behind the acrylic WorkBench when it is installed.) Finally, thread the truss-head screws with the washers into the posts.

NOTE: Do not tighten these screws down yet; just get them started. You need to leave space under these screws for the acrylic to slip behind.
Now you're ready to attach the hardboard to the wall.

If you can locate the studs in the wall, we recommend you use #10 cabinet-style screws of at least 2” length through the hardboard into the studs. Carefully mark the screw locations on the hardboard, and the hardboard location on the wall. We recommend using masking tape for all marks, so it's easier to clean up when you're done. Predrilling the hardboard makes it easier, especially if you don't have a helper. Use at least two screws in each stud (for a total of four) in a square pattern.
pattern for best hold. Cabinet screws have large heads with flat surfaces underneath, which works well to hold the hardboard to the wall.

If only one stud (or none) is accessible in the location you choose, you will need to use another method. If your mounting surface is drywall, check out the recommendations at https://www.howtogeek.com/319669/how-to-install-drywall-anchors-to-hang-heavy-stuff-on-your-walls/

Methods for other wall materials can be found online, but some options Chris likes include:


Once the hardboard is up on the wall, just slip the keyhole slots in the acrylic WorkBench over the truss-head screws and gently pull the WorkBench down to seat into the narrow part of the slot.

Check to be certain all nine slots are engaged correctly.

**CAUTION:** The upper washer MUST be behind/under the acrylic, not to the outside. If the washer is outside the acrylic, the acrylic may crack when you tighten the truss-head screw.

See the photo at right for the correct installation.

Snug down the truss-head screw onto the acrylic WorkBench to complete the installation.

**CAUTION:** Do NOT overtighten. You can crack the acrylic if you do. Snug is all it takes. Gravity is on our side.... 😊

Chris has his WorkBench 2820 installed in his office. He has a sloped ceiling and it still works great!