

Lower Structural Side - WA-001-S

Step 1

Fully drill all of the holes shown on this part. There are 14 1/4" diameter holes. There are two optional 1-3/8" holes. A centerline is provided to illustrate the symmetry of the holes associated with the x-axis table bearing holder (WA-???-S) and the x-axis motor mount.

The larger holes that are labeled optional are used for the x-axis table bearings. These holes enable the machine to be slightly narrower in footprint by creating the x-axis bearing holder (WA-???-S) with bearings that align the bearings into the centerline of the thickness of the wood. These holes can provide a 1-1/2" reduction in the overall width of the machine. If the holes are not provided, either the width of the machine will be 1-1/2" wider, or the table will be 1-1/2" narrower. Rectangles are shown in the large holes for reference. This is where the bearing holder will protrude into the gantry side.

This is the first step for the gantry side. There is quite a bit of versatility with this part to be creative. Much of the blank area to the top right and bottom left can be altered. In the next step, you will see the area of the top right that will need to be removed to permit clearance for the z-axis assembly. There are two of these parts that are mirrored. Only one of these gantry sides need to contain the fastening holes for the x-axis motor mount.

