



Portable Miter Saw Station

A sliding compound miter saw is a valuable addition to any shop. But like any tool, it can always be upgraded to give you better results and more convenient use. Building the workstation you see in the photo above will do just that. The workstation provides a sturdy base

for your saw, as well as extended support for long workpieces. It can be incorporated into your shop as a permanent fixture, but at the same time it's designed to be easily moved when necessary.

The workstation has four components: a sturdy base, a platform that

holds the miter saw, and two adjustable extension wings (see drawing at left). For portability, all the components are designed to be easily assembled and disassembled.

All the parts are cut from $\frac{3}{4}$ " plywood. There's nothing difficult or sophisticated about the construction — simple joinery, glue and screws provide the strength.

The base of the workstation is constructed so the two rails form a channel that lightly sandwiches the saw platform and the extension wings. This allows you to reposition the extension wings easily by simply sliding them along the base. T-nuts are installed in the base that are used along with star knobs to lock down the wings, as shown in the inset photo above.

When planning and building the workstation, you need to keep a couple things in mind. First, the height of the extension wing beds needs to match the height of the saw when it's mounted on the workstation. Second, the saw should be mounted on the platform so that the fence lines up with the fences on the extension wings. **W**

