

## Woodworking Magazine Contest Entry #1

### Simple and Accurate Mortise Machine Alternative

#### Looking for an Inexpensive Mortise Machine?

*If you have a drill press and a dual action vise—you can look no more!*

Here is an easy and inexpensive way to create accurate mortise cuts without a mortise machine.

This is all you need to have:

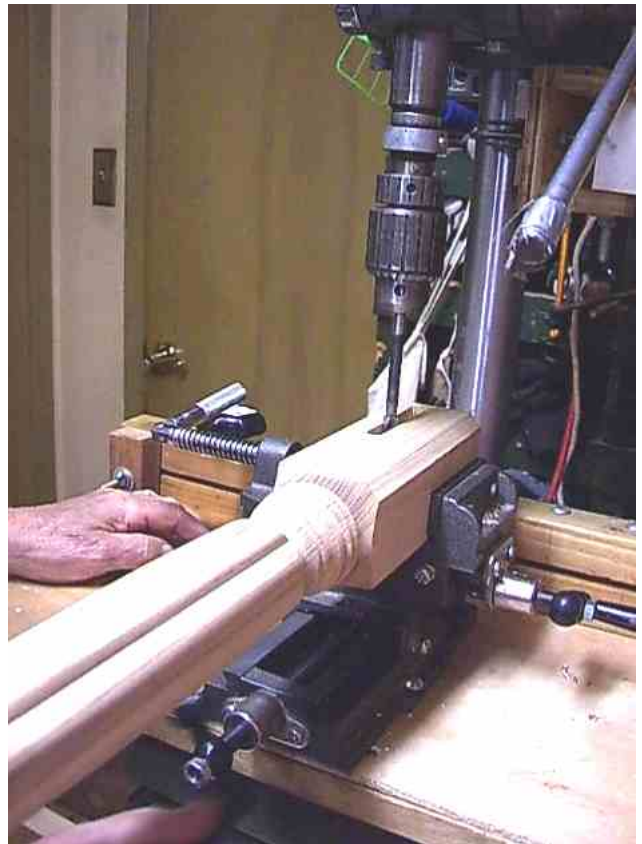
- A drill press with an extended column or a floor model drill press
- Quarter twenty bolts and bolt inserts
- Wooden drill press table
- A two-way drill press X-Y compound vise cross slide mill
- Forstner drill bits

First, mount the compound vise unit to your wooden drill press table using the quarter twenty bolts and inserts.

To make the mortise, use Forstner drill bits. These bits have a drill point which prevents the bit from going off center. For a standard 3 foot table leg, you can use a 3/8" bit.

The upper vice accurately (and safely) holds your piece while you move the piece using the lower one.

The vise is easy to remove when not in use.



*You can mortise anything using a drill press and compound vise!*