Equipment

The equipment and tools needed for mass producing the Texas Paper Towel Holder are:

1. Radial arm saw, or miter saw used for rough cutting wood to size
2. Drill press used for hole saw, and boring holes
3. Hand drill used for driving screws and countersinking the screw hole
4. Scroll saw, or band saw for cutting shape of the base
5. Router used for shaping edges
6. Router table for shaping base

The cutters or bits needed:

1. 2” hole saw 1. Home Depot item # 49-56-0247

 2. Lowes item # 300707

1. 3/8” carbide flush trim router bit: 1. Lowes item # 28843

 2. Rockler item # 90825

1. 1” forstner bit: 1. Home Depot Model # FB-007

 2. Lowes item #100897 3. Rockler item #21200

1. 3/8” forstner bit: 1. Home Depot Model # FB-002

 2. Lowes item # 306158 3. Rockler item # 21165

1. Non-Slip Router Pad: 1. Rockler item # 58960
	* + 1. 3. Woodcraft Item # 123633

**Materials**

1. 1 X 10 pine
2. 1” dowel
3. 3/8” dowel
4. 1/4” dowel
5. #6 X 1 1/2” woodscrews
6. Felt pads or rubber bumpers
7. 1/2” mdf board (patterns and templates)
8. 2 X 6 pine - jigs and fixtures
9. 3/4” plywood / particle board

Note: Item numbers listed are as of July 2011.