










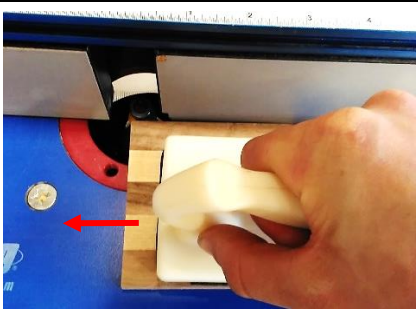


Procedure - Coaster Project

1	Select Stock <ul style="list-style-type: none">a) Select wood from the 'Short Ends Bins'b) Choose two Contrasting (<i>different looking</i>) species of woodc) Length = greater than 12"d) Thickness = more than ½"e) Width = more than 3.5"	
2	Prepare Stock <ul style="list-style-type: none">a) Using Jointer, create reference faces on ONE side and ONE edge of each pieceb) Mark finished faces with accepted symbols.	
3	Plane Wood to 3/4" Thickness <ul style="list-style-type: none">a) Place stock with reference face down on thickness planer.b) Measure stock thickness and set planer to this thickness.c) Raise table 1 turn of the adjustment wheel (1/16" cut), or ½ turn if less is desired (1/32")d) <i>Pass stock through machine</i>e) Repeat until both pieces are <u>3/4"</u> thickness	

<p>4</p>	<p>Cut Strips</p> <ol style="list-style-type: none"> 1. Set the table saw fence to <u>9.5 inches</u>, and lock. 2. Using the thin strip jig, cut an even number of ½ inch strips from our stock. <ol style="list-style-type: none"> a. For 6 coasters: Cut <u>6 strips</u> from each board b. For 3 coasters: Cut <u>3 Strips</u> from each board 	
<p>5</p>	<p>Glue</p> <ol style="list-style-type: none"> 1. Gluing TWO groups of 5 STRIPS <ol style="list-style-type: none"> a. To create two separate coaster blanks 2. Using Type II glue (<i>Water Resistant</i>) 3. Setup LONG Clamps at glue station 4. Test fit wood strips, aligning one end 5. Glue required faces of each strip <ol style="list-style-type: none"> a. Cover the ENTIRE surface b. Use finger to spread glue 	
<p>6</p>	<p>Clamp (<i>Standard Panel Glue Procedure</i>)</p> <ol style="list-style-type: none"> 1. Two clamps supporting 2. Tighten so all screws are applying LIGHT pressure 3. Clamp two cauls on each side to prevent upward warping 4. Wipe glue squeeze-out with wet paper towel 5. Wipe excess glue from clams and table 6. Leave 45 min before removing clamps 7. LEAVE OVERNIGHT before continuing 	
<p>7</p>	<p>Scrape</p> <ol style="list-style-type: none"> 1. Remove two blanks from clamps 2. Return Clamps to wall 3. Scrape as much dried glue from blanks as possible 	

<p>8</p>	<p>Joint blanks</p> <ol style="list-style-type: none"> 1. Create new reference face on jointer 2. Remove material until ONE SIDE is completely flat 3. Mark reference face with accepted mark 4. Do NOT Joint the thinner edges. Only the two large faces. 	
<p>9</p>	<p>Thickness Plane to final thickness</p> <ol style="list-style-type: none"> 1. With reference face down, plane blanks to final thickness of $\frac{1}{4}$" 2. Blanks should still be at least 12 inches long 	
<p>10</p>	<p>Square Ends of Stock</p> <ol style="list-style-type: none"> 1. Using the crosscut sled, square ends of stock to 90 degrees 2. Leave as much stock as possible 	
<p>11</p>	<p>Cut Coasters</p> <ol style="list-style-type: none"> 1. Width of stock should be $3 \frac{3}{4}$" 2. Using the "Coaster Jig", cut coasters on table saw <ol style="list-style-type: none"> a. Ensure that $\frac{1}{4}$" spacer is used when making $3 \frac{3}{4}$" coasters b. Clamp coaster blank to jig using over-center clamp, and crosscut 	
<p>12</p>	<p>Round Edges</p> <ol style="list-style-type: none"> 1. Using router table, round over corners <ol style="list-style-type: none"> a. Move cutter guard out of way b. Use $\frac{1}{8}$" round-over bit (test setup) c. Use push block to keep fingers away from cutter d. Push against the rotation of the cutter 	

<p>13</p>	<p>Sand</p> <ol style="list-style-type: none"> 1. Block Sand coasters 80 grit, 120 grit, then 180 grit 2. Use pencil technique for 120 and 180 grits 3. <i>Caution: <u>DO NOT OVER-SAND</u>. Smooth out surfaces, but keep edges and corners well defined</i> 	
<p>14</p>	<p>Finishing</p> <ol style="list-style-type: none"> 1. Finish surface with Howard Feed-N-Wax <ol style="list-style-type: none"> a. <i>Using a SMALL piece of paper towel, completely cover each coaster</i> b. <i>Place coasters on blocks to keep bottom surface exposed</i> c. <i>Let sit for 20 minutes</i> d. <i>Wipe excess with fresh paper towel</i> 	
<p>15</p>	<p>Buffing</p> <ol style="list-style-type: none"> 1. On the downdraft table using fresh paper towel, buff each coaster until surface feels smooth 2. <i>Apply second coat of finish if necessary (If surface is too dry)</i> 	