

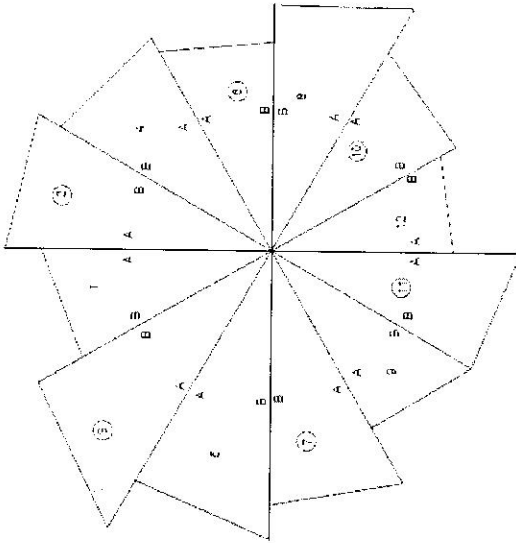
Creating a Radial Book Match (Sunburst)

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- Decide on number of field pieces: 8 piece = 45°, 10 piece = 36°, 12 piece = 30°, 16 piece = 22.5°, etc.
- Select veneers for field pieces, banding, border, and edging.
- Be sure you have appropriate number of consecutive leaves for field.
- Number leaves with chalk to keep in order.
- Use mirrors at appropriate angle to select a pleasing pattern. It's usually best to have a busy feature toward the center.
- Draw correct angle on top leaf with pencil and re-stack all leaves in sequence after renumbering with chalk. Be sure to leave some extra length for trimming.
- Index leaves using 2 or more grain features and tape packet in several places. Pin with 23 ga pins, clinching in same direction.
- Cut and shoot 1 straight edge. Cut and shoot 2nd edge to form wedge shaped pieces. Check the points!
- Carefully remove pins with nippers, and any tape.
- Lay out the match starting with leaf #1 with glue face up. Flip #2 back to front and tape to #1, then flip #3 back to front and tape to the other side of #1.
- Continue in this manner, alternating back to front and taping even numbered pieces to even, odd numbered pieces to odd until you have a half circle.

- Prepare the other half in the same manner, trim the mating edges, and tape the 2 halves together.



The numbers on each wedge represent the sheet number in the veneer stack, and the numbers shown in a circle represent wedges that are “flipped” over. Notice how the A sides and B sides all align with each other.

- After taping all seams with blue tape, use a compass to lay out radius and cut with knife or sissors.
- With “show” face up, tape the edge of the circle to freezer paper using 3” blue tape, then carefully pull the radial match off the paper and flip over to the “glue” face.
- Cut banding and lay in around perimeter of field. Use an X-acto knife or sharp chisel to trim. Do this for all banding pieces.
- Cut and lay in border pieces, again using a knife or chisel to tape and fit pieces.
- Cut substrate to at least 1” oversize, and use scrap veneer to trim out skin to fit your substrate.
- Blue tape ALL seams from glue face, then tape ALL seams from show face with veneer tape. Allow to dry, then remove ALL blue tape from glue face.

- Prepare skin for back of panel.
- Glue up both sides of panel and clamp with cauls or use vacuum press.
- After glue-up is complete, remove veneer tape using putty knife and damp sponge. Let panel dry thoroughly.
- Using bandsaw or router & trammel, cut panel to final radius. Sand both surfaces by hand, and apply edging using band clamp.
- Apply finish to suit.

Repairs

Before glue-up:

- Check for gaps, cracks, and other imperfections
- Re-cut joints
- Piece in slivers of matching veneer
- Glue and sand
- "Stuff the Gap"

Tools & Supplies

- | | |
|------------------------|-----------------------|
| • Veneer Softener | • Tape |
| • Mirrors | – Blue painter's tape |
| • Plastic Angles | – Veneer (gum) tape |
| • Adhesives | • Shooting Block |
| • Cutting board | • Brass Bristle Brush |
| • Cutting Tools | • Tongs |
| – Veneer Saw | • Putty knife |
| – Chisel | • Filetti maker |
| – Scalpel | • 23 ga pins |
| – X-acto Knife | • Nippers |
| • Straight Edge | • Maintenance |
| – Masonite (hardboard) | |
| – Brass straightedge | |

Sources

- B& B Rare Woods - veneers
<http://www.wood-veneers.com>
- Certainly Wood - veneers
<http://www.certainlywood.com/>
- Rosebud Veneers - veneers
<http://www.rosebudveneer.com/>
- Paul Schurch - tools, supplies, veneers
<http://www.schurchwoodwork.com/>
- Micro-Mark - small tools, knives, scalpels, blades
<http://www.micromark.com/>
- E-Bay - veneers
- Constantine's - veneers, tools & supplies, adhesives & veneer softener
<http://www.constantines.com/>
- Vacuum Pressing Systems - vacuum pumps & bags, Unibond 800
<http://www.vacupress.com/>
- Vac-U-Clamp - vacuum pumps & bags, Pro Glue adhesives & veneer softener
<http://www.vac-u-clamp.com/>