SWAT 30TH ANNIVERSARY

WITH CHAD SCHIMMEL

<Link to List of Demonstrations>

Segmenting Pen Blanks

This demo will show how I use a 3 layered material to create segments in pen blanks. The material is Aluminum, plastic, and Aluminum layered.

Straight Layers

Straight Layers are very simple and can make a boring pen look really classy. You can do one or more segments in any alignment you wish. I like to do end bands that are even on a one-piece body pen. You can also use different materials for different parts to make the look even more unique. The straight segment blank can be made up and drilled or the parts can be drilled and it can be made on the lathe to fine tune and make adjustments during the glue up.


Slanted or Angled Segments

Slanted segments are also very easy and can add a great look to your blank. You can add one or more of these features just let your heart tell you what you want to do and make it happen. I like to cut my angles on the miter saw or table saw. If cutting pen blanks be sure you are safe with smaller pieces. Making a quick jig to hold blanks is a great idea. The angle is also optional, you can set it any angle and the different angles will change the look of the turned piece. Angled blanks are best made and fully glued up before drilling for the tube.

Tips for Glue ups:

1. Sand cut segmenting materials to remove sharp edges and rough surface.
2. Use a CA and Accelerator for glue up. Put glue on one side and accelerator on the other and press by hand together. Hold for 10 Seconds.
3. Trim and sand blank after each glued part to assure blank is square and lined up for the next part.
4. After glue up is done if needed apply thin CA and accelerator.

Making a multi-layer Celtic Knot

The quick Celtic knot is just 4 cuts and glue ups although it looks much more complex when done.



Label your blank sides 1-4 in order. Start your cuts with the #1 up, make your 45° cut, glue in segment, trim and sand back to square.

Repeat steps exactly the same with each of the remaining 3 sides. Once complete cut to length and drill for tube.