

# Production Plan to Produce 2 Pencil Boxes

v. 1.0

#	Step	Notes
1	Secure wood blanks	4/4 rough stock preferred, or 3/4-inch clean stock, minimum 24 inches long and 4 inches wide
2	Joint a face and square an edge	mark square
3	Resaw, squared edge to the fence	to ~3/8 inch thick
4	Joint the face on the cutoff and then square an edge	now have two blanks ready for thickness planing
5	Plane blanks	to 1/4 inch
6	Each blank, rip a 1 3/4 strip and a 1 1/2 inch strip	1 3/4 strip is for the sides 1 1/2 inch is for the lid and bottom
7	At P66, use the Freud rip blade and make grooves	1/8 inch deep, 1/8 inch wide, 1/8 spaced from the edge, rip blade leaves a clean bottom in the groove
8	Carefully assess the blanks and mark as needed	show face, plus need the long and shorts to be marking for best grain wrap
9	At P66 with miter sled, Tenryu blade	Insert 1/8 dowels in slots to reduce spelching, cut a fat piece, set up block and cut the short ends and the long sides
10	Tongues... P66 with Infinity blade hiding into a sacrificial fence...	make a rebate 1/8 inch x 1/9 inch on all four sides of the lid...crosscut first then the long grain
11	Saw off 1/2 inch of one of the ends to make the pull tab	mark deeply with blade...use the Toshio Odate with 1/64 inch kerf
12	Dry fit	use tape to hold joints for test
13	Sand and finish any inner faces	
14	Layout the parts for gluing	index against a square edge, place parts show face down onto painter's tape

15	Put hide glue in the miter joints	put the bottom plate into the groove without glue
16	Glue up the sides, end, short end and floating bottom	use painter's tape for clamping
17	Test fit the top	Adjust as needed
18	Glue up the top plate and the pull tab	hide glue
19	Sand any external surfaces	220x Rotex 90, 400x by hand
20	Apply finish	probably the shop varnish rub