

INSTRUCTION ON MAKING A CORIAN COFFEE SCOOP

BY TONY MARSH

1. **THE BODY:** SQUARE OFF A PIECE OF MATERIAL APPROXIMATELY 2" X 2".
2. DRAW AND CENTER PUNCH THE OPPOSITE ENDS OF THE SQUARE. IF USING WOOD THE GRAIN SHOULD GO TOP TO BOTTOM.
3. ON ONE END DRILL A 23/64 DIA. HOLE ABOUT 1 1/2" DEEP.
4. SCREW THE PREVIOUSLY MADE MANDREL INTO THE HOLE. THIS SHOULD BE SELF THREADING. IF NECESSARY, LUBRICATE THE THREADS WITH SOAP OR BEES WAX.
5. INSERT THE MANDREL IN THE CHUCK ON THE LATHE AND TURN THE OUTSIDE OF THE COFFEE SCOOP TO THE DESIRED DESIGN/SHAPE AND FINISH WITH MICRO MESH.
6. REMOVE THE BODY OF THE SCOOP FROM THE MANDREL AND THE MANDREL FROM THE CHUCK. INSERT THE SCOOP BODY INTO THE CHUCK WRAPPING IT TO PROTECT THE JAWS FROM DENTING IT. (I USE A STRIP OF LEATHER). CENTER THE SCOOP USING THE LIVE CENTER ON THE TAILSTOCK. REMOVE THE LIVE CENTER AND REPLACE IT WITH THE JACOBS CHUCK WITH A 1 1/2" FORSTNER BIT, OR THE SIZE THAT FITS THE BEST.
7. WITH THE LATHE SPEED REDUCED (500 RPM) DRILL A HOLE APPROXIMATELY 1 1/2" DEEP. IF THE FORSTNER BIT CENTERING HOLE IS UNDESIRABLE THEN, USING YOUR TOOLS, REMOVE ENOUGH MATERIAL TO ELIMINATE IT, BEING CAREFUL NOT TO GO THROUGH THE BOTTOM. SAND AND FINISH THE INTERIOR WITH MICRO MESH.
8. **THE HANDLE** USING A 3/4" X 3/4" X 3" BLANK TURN THE DESIRED SHAPE. ON THE END THAT WILL BE INSERTED INTO THE BODY LEAVE A 1/4" DIA. STUB AS DEEP AS ALMOST THE THICKNESS OF THE SCOOPS BODY. (THIS DEPTH CAN BE ADJUSTED. IF THE HANDLE AND THE BODY ARE THE SAME COLOR AND THE 1/4" HOLE GOES ALL THE WAY THROUGH THE BODY, IT WILL FADE INTO THE BODY). SAND AND FINISH WITH MICRO MESH.
9. SELECT WHERE YOU WANT THE HANDLE LOCATED ON THE BODY AND, USING A DRILL PRESS AND A 1/4" FORSTNER BIT, DRILL A HOLE IN THE BODY. CA GLUE (THICK) THE HANDLE TO THE BODY. MAKE SURE THAT THE HANDLE IS 90 DEGREES TO THE BODY.