

SHAPEOKO/MAKITA CNC ROUTER USER QUICK REFERENCE

DONE			
	Power On and Initialize Machine		
	A. MEASURE material thickness with caliper * ADJUST PROGRAM SETTINGS NOW IF NEEDED		
	Review cut depth in program; Review XY starting point		
	Check that feeds/speeds are appropriate for machine/bit/material		
		gcode file to your user directory on the CNC PC.	
	B. INSERT BIT for Toolpath #1		
	C. Mark the X/Y start point on your material if needed. Be sure it is consistent with X/Y zero		
	on your design. Mount Material to spoil board using 2-sided tape or other hold-down system		
	D. Zero the program X/Y axis on Carbide Motion by manually jogging (moving) the bit to the X/Y zero point and clicking the boxes for X and Y and then click Zero.		
	E. Start the Exhaust Vacuum – switch is in the under the work table on the left side. If the		
	exhaust vacuum does not turn on with the switch, check that it is plugged in.		
	F. ZERO the Z-AXIS (do this with EVERY bit change)		
	Assumption: Z axis zero is top surface of material		
	Jog the router carriage until the bit is directly over the material A super 7 until the bit is the probability to use as the tag of the material.		
	Lower Z until the bit just barely touches the top of the material		
	Micro adjust until paper can just barely slip out from in between bit and material		
	Click 'Zero Z' then raise the router to make room to attach shroud brush.		
	G. Install Vacuum Brush/Shroud (magnetic attach) then rapid position to Z+.6 H. RUN the toolpath program		
	Click start job; check spindle speed setting, turn on spindle and click through the on-		
	screen prompts		
	 Monitor job carefully as it follows the toolpath; pause if it does not run as expected 		
	 Time remaining will display on screen Run until program stops (or is paused/aborted) 		
	Use jog controls to raise spindle at the end so you can remove the shroud/brush.		
	IF MORE PROGRAMS TO RUN:	IF PROJECT IS COMPLETE:	
	Change Bit to next toolpath if needed	 Power off CNC and vacuum system 	
	Repeat steps F, G, H again.	Remove Bit and put away	
		Remove Material	
		DELETE YOUR PROGRAM(s) and .CRV	
		files from the CNC PC if desired	
		Remove your thumb drive	
		Put all tools away/clean up work space	
JOB NO)TFS:		

JOB NOTES:

- Project/Filename:
- Material:
- Bit(s) used:
- Feeds/Speeds:
- Job duration: