

Cindy Drozda

"The Fine Art of Woodturning"

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Using vMix for Camera Assisted Hollowing

- Go to vMix.com and purchase the Basic HD version. You can do a free trial of the full featured version to see all of the cool stuff that vMix can do. Of course, this works with the other versions of vMix as well.
 - install on a Windows computer.
 - Other software options are ManyCam (paid) and OBS (free). Both can be used on Mac. VMix is Windows only.
 - Open vMix and create an input for your camera.
 - Take a picture of your hollowing cutter with the camera that's mounted on an arm above it, with a green background (like a piece of wood painted green, green paper, or fabric).
 - Save the image with the name and location that you want, and copy the file path.
 - Add the image as an input in vMix, chroma key out the green, crop the image somewhat close to the cutter.
 - Set the Overlay to be full screen.
 - Choose a key on the keyboard that isn't used for anything else, and create 3 shortcuts.
 - #1 takes the image out of the overlay. (Overlay #1 off)
 - #2 takes a picture (function: snap), and saves it with the name and file path of your existing image (copy file path in value field).
 - #3 puts the input with that image into a full screen overlay.
 - Save that vMix preset
 - Put the input with the camera into the output window.
 - You will need to make something to put over (or around) the cutter that shows your intended wall thickness.
 - Put the hollowing cutter on the toolrest with the wall thickness device on it, hold the green card under it, and press the key.
 - That shortcut replaces the old picture with a new one, and puts it into overlay #1.
 - If you want to display the vMix output window full screen, it works best to have an external monitor set up where you can see it while turning.
- Click on "Full Screen" in vMix to get the image on to the external monitor. That way you can put the computer out of the way of the chips (but where you can still reach it to hit the shortcut key).
- It's a good idea to cover the keyboard of your computer with plastic film to keep the dust out. I use double sided tape and the film that's sold to insulate windows.

Using vMix for green screen camera hollowing (no audio):

<https://vimeo.com/763015624/57faec3fcb>

Using OBS for green screen camera hollowing:

<https://youtu.be/1Cjp1HBcN4s>