

CNC ROUTER: MATERIALS LIST

APPROVED MATERIALS

Plywood

Domestic Hardwoods / Softwoods

MDF / LDF

Masonite

Particle Board

Corian / Delrin

Acrylic / Plexiglass

PVC / ABS / HDPE

Blue / Pink Foam (Extruded Polystyrene)

Corafoam (HDU)

FORBIDDEN MATERIALS

Aluminum / Ferrous Metals

Glass / Stone

Plaster

Homasote

LDPE

Fiberglass

Styrofoam

This is a list of approved materials for the CNC Router. Prior to meeting with the IST, do your research to ensure that the material you are looking to use is on our approved materials list. If it is not, the staff will not be able to assist you with your project.

Another aspect of the router to keep in mind when choosing material is the maximum Z height of the machine. This is the amount of travel up and down the machine can provide. For our machine here, the maximum Z height is 6" inches. This means that if you are looking to use profiles passes (cuts which go all the way through the material) within your file, your maximum material thickness is 3".

Why? If you have 6" of Z height and you want to cut through 3" of material, you will need a 3" bit to do so. In order for the 3" bit to have room to move around during the cutting process, your material cannot exceed 3" or your bit will run into it.

MATERIAL SHOULD NOT EXCEED 3" IN THICKNESS