

# What are the CNC Routers?



A CNC Router is a computer controlled machine that has a mounted spindle, which holds a cutting tool. It is typically set up with 3 directions of movement referred to as the X, Y and Z axis. This allows the machine to cut in 3 Dimensions.

CNC machining is a subtractive process. Starting with a block of material the cutting tool cuts away the material that is not needed. This material is extracted to a collection bag outside.

CNC Routers can cut 2D Files (for example: Flat pack furniture) and 3D Files (for example: Landscapes)

## **We have 2 CNC Routers in the 3D Workshop**

The **ISEL Flat Com 40** is in the Woodwork Room.

- Maximum Material Size: 1000mm x 700mm x 75mm

The **Roland Mini Mill** is a small test machine located in the 3D Print room

- Maximum Material Size: 200mm x 150mm x 50mm

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