

## **Why Would You Want A Knife On Your CNC Router?**

You can use a knife by hand to cut a material but having the addition of a knife option offers you the cut speed and precision of a CNC machine. It also expands your scope of work, offering new revenue streams.



With some routers the addition of a [knife](#) can come as an add on but predominantly to have the most options you need to think about what you need and what you want to offer as a service before purchase because it will dictate which machine you buy. There are several materials which a CNC Router will struggle to cut, these tend to be thinner, less robust materials which could result in a poor finish.

## **What Can I Cut On My Router With The Addition Of A [Knife](#)?**

Firstly there are several different types of [knife](#) blades, all designed to cut different materials or thicknesses, there are also blades designed for different CNC brands. This can feel a little daunting so we 've tried to breakdown what knife works best with which material.

### **What Can I Cut With An Oscillating [Knife](#)?**

Oscillating knives are an important addition to anyone looking to cut materials like foam, corrugated plastic, rubber and cardboard. These materials can be challenging for a router to cut but the motion of the oscillating knife moves through the material with ease, delivering clean edges.



### **What Can I Cut With A Drag Knife?**

A drag knife can cut anything a Stanley knife can cut, without cramp in the hand and with accuracy. A drag knife is an ideal tool for cutting rubber, vinyl and thicker card.

### **What Can I Cut With A V-Cut Knife?**

A V-cut knife allows you to cut at various sharp angles in foamboard and fibreboard, offering precise clean cuts.

### **What Can I Cut With A Tangential [Knife](#)**

Tangential knives are robust and created to work with harder, thicker materials which a drag knife would struggle with. A tangential knife



any strain, rotate its angle and be replaced offering clean, sharp edges.

In conclusion there are several materials with which you will get the best finish with a knife. The addition of a knife also allows you to quickly switch between routing and knife cutting on one machine, offering greater cutting choice.

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