

## What is a vector file?

There are two basic types of graphic files: Images and Vectors. Images are constructed from a series of pixels, or tiny squares. Vector images however have no pixels. They are displayed or printed by using mathematical positioning. A vector image breaks down into a mathematical formula and contains messages like, draw a rectangle, this size and at this place on the page. A vector image looks like an illustration. Vector files are usually considerably smaller than an image file of the same image, since there is less information required to achieve the same results.

How does a vector file get printed on the laser cutter?

Once a vectored design has been made in Corel draw you can print it to the laser printer by simply pressing print. You will then need to choose your laser settings. These setting determine how much power you need to use to cut though the material and these setting are taken from the machines material power settings table. The right setting is essential as if the power is too low it will not cut through the material. If the power is too high it will then cut though the bed of the laser cutter. Once the settings are correct you press print. The vectored points are converted by the laser cutter into printing points and the file is cut out of the required material.

Learn more about laser cutting from the Wikipedia website.

View the wikipedia website >>

Universal laser systems

View the universal laser systems website.

Universal laser systems site >>

## Corel draw

Learn more about Corel draw and vectored graphics.

Learn more about Corel draw >>

