

A few simple rules that must be adhered to when preparing a file for laser processing.

File types

- ai Adobe Illustrator
 - cdr Corel
 - dwg AutoCad
 - dxf AutoCad file exchange format
 - eps Encapsulated PostScript
- We can also use files created in 2D Design as used by education

File format

Laser processing uses 2 basic types to achieve everything possible, vector and raster.
Vector will be a line, curve or combination of both used to cut or mark.
Raster would use a grey scale image to engrave the likes of text or an image.
Line widths for vector are critical,
Corel uses "hairline"
Illustrator and CAD – set to 0.01mm
2D Design – "fine"

Colours

Colour RGB values must be accurate.
Black and the full range of grey scale is reserved for raster engraving
Red designates a cut line
Blue designates a mark line

COLOR	RED	GREEN	BLUE
BLACK	0	0	0
RED	255	0	0
GREEN	0	255	0
YELLOW	255	255	0
BLUE	0	0	255
MAGENTA	255	0	255
CYAN	0	255	255
ORANGE	255	102	0

Accuracy

The width of cut will vary depending on material type and thickness but a good rule of thumb is to allow 0.15mm.
Please include a vertical and horizontal dimensioned line so we can confirm size after an import.
Red rectangle will be the cut shape
Blue pentagon will be a marked line
"TEXT" and the tiger are grey scale for engraving

