



Creating a Laser Cutting Gauge



This resource contains a series of video tutorials and document files. In this resource, we explore the benefits of using laser gauges to determine power and speed settings, for cutting and engraving using a laser cutting machine. We also explore how to create a laser gauge for use with materials in the Engineering room.

Scan the QR codes, or click the images below to access the associated resources.

1. Introduction to colour mapping on the laser cutting machine



2. Preparing the laser gauge in Illustrator



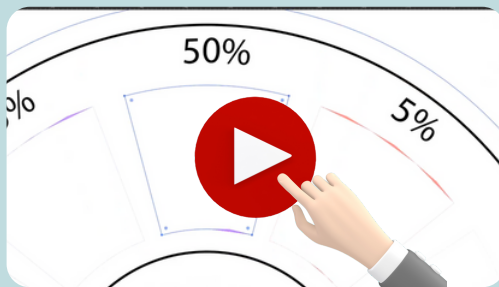
3. Setting up the laser gauge for raster engraving in Illustrator



4. Colour map settings for the raster engraving on the laser



5. Setting up the laser gauge for vector cutting in Illustrator



6. Colour map settings for vector cutting on the laser

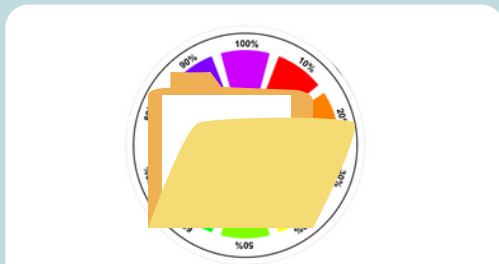


7. Colour mapping reference guide



Colour	Laser Speed	Red	Green	Blue	Hex Code
RED	10%	255	0	0	#FF0000
Orange	20%	255	128	0	#FF8000
Orange/Yellow	30%		0		#FFB400
Yellow	40%		0		#FFFF00
Yellow/Green	50%		0		#80FF00
Green	60%		0		#00FF00
Green/Blue	70%		128		#00FF80
Blue	80%		255		#0000FF
Blue/Violet	90%		255		#8000FF
Violet	100%	205	0	255	#CD00FF
Black (Reserved)		0	0	0	#000000

8. Laser gauge raster engraving file



9. Laser gauge vector cutting file

