ACMER

P3-48W
Engraving Parameter

Parameter / Material	Speed (mm/min)	Max Power (%)	Min Power (%)	Line Interval	Effect	TIP
Basswood Plywood	40000	80	0	0.14		
Leather	40000	100	0	0.14		
Kraft Paper	40000	40	0	0.14		
MDF	40000	80	0	0.14		
Anodized Aluminum	30000	100	0	0.14		
Glass	8000	100	0	0.14		The engraving is done after the color paper is applied to the surface of the material.
Ceramics	8000	100	0	0.14		The engraving is done after the color paper is applied to the surface of the material.
Black Acrylic	35000	80	0	0.14		

Notice:

1. Please note the above units of speed and power and convert them in Lightburn and LaserGRBL by yourself.
2. For some materials with low burning point, it is not recommended to set the cutting speed below 100mm/min, otherwise there may be a risk of burning!
3. Even for the same material, the effect will be different for different surface treatment or different colors, so you need to adjust the speed and power according to different objects. In addition, please adjust the focal length to the best, to have better effect.
4. Can't engrave or cut directly on glossy metal plates, transparent materials, reflective materials, some white or translucent materials, etc. You need to blacken it with a marker or use the color paper to cover the surface to carve.

ACMER

P3-48W
Cutting Parameter

Parameter / Material	Speed (mm/min)	Max Power (%)	Mode	Pass Count	Effect
2mm Basswood Plywood	1800	100	Line	1	
3mm Basswood Plywood	1200	100	Line	1	
4mm Basswood Plywood	1000	100	Line	1	
6mm Basswood Plywood	600	100	Line	1	
8mm Basswood Plywood	400	100	Line	1	
10mm Basswood Plywood	200	100	Line	1	
12mm Basswood Plywood	200	100	Line	1	
3mm Black Acrylic	500	100	Line	1	
4mm Black Acrylic	300	100	Line	2	
6mm Black Acrylic	300	100	Line	3	
3mm MDF	1300	100	Line	1	
8mm MDF	200	100	Line	1	

Notice:

1. Please note the above units of speed and power and convert them in Lightburn and LaserGRBL by yourself.
2. For some materials with low burning point, it is not recommended to set the cutting speed below 100mm/min, otherwise there may be a risk of burning!
3. Even for the same material, the effect will be different for different surface treatment or different colors, so you need to adjust the speed and power according to different objects. In addition, please adjust the focal length to the best, to have better effect.
4. Can't engrave or cut directly on glossy metal plates, transparent materials, reflective materials, some white or translucent materials, etc. You need to blacken it with a marker or use the color paper to cover the surface to carve.