

30W Engraving Parameters

Material	Line Interval	Speed (mm/min)	Power (%)	Note
Basswood	0.12mm	20000	65	
Leather	0.12mm	20000	40	
Kraft paper	0.12mm	20000	35	
MDF	0.12mm	20000	35	
Stainless Steel	0.09mm	3000	100	It is recommended to choose a thicker stainless steel.
Anodized aluminum	0.09mm	15000	100	
Glass	0.12mm	20000	70	Engraving is done after the material is blackened or color paper is applied to the surface.
Ceramics	0.12mm	20000	70	The engraving is done after the color paper is applied to the surface of the material.
Acrylic	0.12mm	20000	40	

30W Cutting Parameters

Material	Thickness	Speed (mm/min)	Power (%)	Passes	Note
Basswood	4mm	600	100	1	
Basswood	6mm	400	100	1	
Basswood	8mm	300	100	1	
Basswood	10mm	200	100	1	Please lower the focal length by 2-3mm
Basswood	12mm	100	100	1	Please lower the focal length by 2-3mm

Cork Wood	10mm	250	100	1	
Leather	1mm	4500	100	1	
Kraft paper	1mm	4500	100	1	
MDF	2mm	800	100	1	
MDF	3mm	700	100	1	
Acrylic	2mm	500	100	1	Must be black non-transparent acrylic to be cut.
Acrylic	4mm	400	100	1	Must be black non-transparent acrylic to be cut.
Warm Tip	<p>1. Please note the above units of speed and power and convert them in Lightburn and LaserGRBL by yourself.</p> <p>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!</p> <p>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, so that the focal length is minimal.</p> <p>4. Can't engrave or cut directly: glossy metal plates, transparent materials, reflective materials, some white or translucent materials, etc. Then you need to blacken it with a marker to carve.</p>				