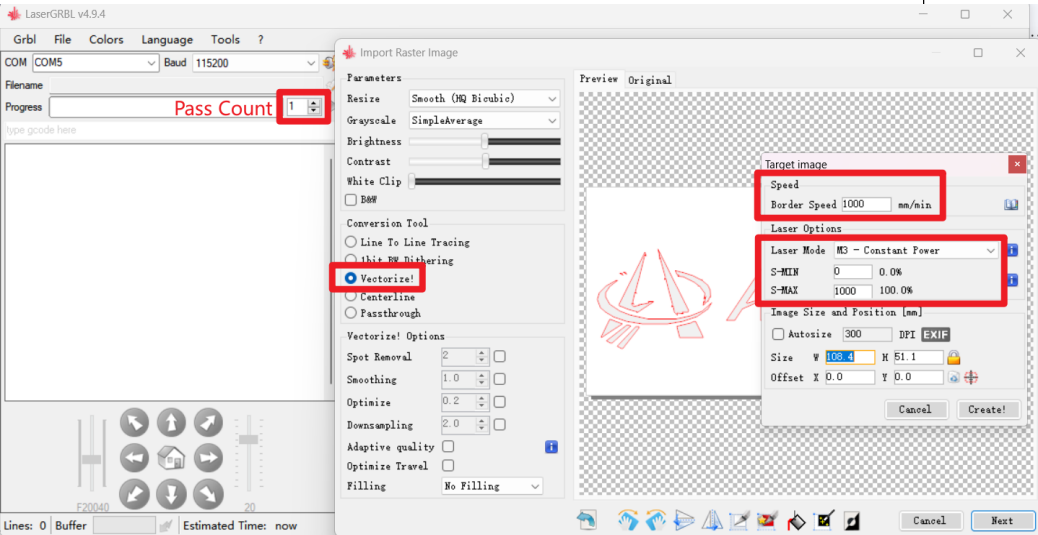


Material Parameter Reference of AlgoLaser_DIY-KIT mini for 10W for LaserGrbl														
注意: 以下数据是基于使用 30L 气泵的切割测试数据														
Material	image	Conversion T	Speed (mm/mi	Laser Mod	S-MIN (Laser Pow	S-MAX (Laser Pow	Pass Cou	Test Resu	Remark	Reference Picture(Parameter setting location)				
4mm Birch Plywood 4mm 桦木胶合板		Vectorize	200	M3	0%	100%	1							
6mm Birch Plywood		Vectorize	100	M3	0%	100%	2							
9mm/10mm Birch Plywood	/	/	/	/	/	/	/							
12mm Birch Plywood	/	/	/	/	/	/	/							
3mm Basswood Plywood 3mm 椴木胶合板		Vectorize	500	M3	0%	100%	1							
5mm Basswood Plywood		Vectorize	200	M3	0%	100%	1							
6mm Basswood Plywood		Vectorize	200	M3	0%	100%	1							
8mm Basswood Plywood		Vectorize	300	M3	0%	100%	3							
10mm Basswood Plywood		Vectorize	200	M3	0%	100%	3							
12mm Basswood Plywood		Vectorize	100	M3	0%	100%	3							
13mm Basswood Plywood		Vectorize	100	M3	0%	100%	4		Focal length decreased by 2.5mm					
14mm Basswood Plywood	/	/	/	/	/	/	/							
15mm Basswood Plywood	/	/	/	/	/	/	/							
20mm Basswood Plywood	/	/	/	/	/	/	/							
5mm Eucalyptus plywood 5mm 桉木胶合板		Vectorize	100	M3	0%	100%	4							
10mm Eucalyptus plywood	/	/	/	/	/	/	/							
12mm Eucalyptus plywood	/	/	/	/	/	/	/							

15mm Eucalyptus plywood	/	/	/	/	/	/		
5mm Pine Board 5mm 松木板		Vectorize	100	M3	0%	100%	1	
10mm Pine Board		Vectorize	100	M3	0%	100%	2	
12mm Pine Board		Vectorize	100	M3	0%	100%	3	
15mm Pine Board		Vectorize	150	M3	0%	100%	6	
19mm Pine Board		Vectorize	150	M3	0%	100%	9	
20mm Pine Board		Vectorize	150	M3	0%	100%	10	
30mm Pine Board	/	/	/	/	/	/		
3mm Paulownia Plank 3mm 泡桐木板		Vectorize	600	M3	0%	100%	1	
5mm Paulownia Plank		Vectorize	500	M3	0%	100%	1	
8mm Paulownia Plank		Vectorize	300	M3	0%	100%	1	
10mm Paulownia Plank		Vectorize	300	M3	0%	100%	1	
12mm Paulownia Plank		Vectorize	100	M3	0%	100%	1	
15mm Paulownia Plank	/	/	/	/	/	/		
20mm Paulownia Plank	/	/	/	/	/	/		
3mm MDF 3mm 中密度板		Vectorize	200	M3	0%	100%	2	
5mm MDF		Vectorize	200	M3	0%	100%	4	
12mm MDF	/	/	/	/	/	/		

3mm cherry wood 3mm 樱桃木		Vectorize	300	M3	0%	100%	1	
5mm cherry wood		Vectorize	200	M3	0%	100%	1	
8mm cherry wood		Vectorize	100	M3	0%	100%	2	
10mm cherry wood		Vectorize	200	M3	0%	100%	4	
12mm cherry wood	/	/	/	/	/	/	/	
15mm cherry wood	/	/	/	/	/	/	/	
20mm cherry wood	/	/	/	/	/	/	/	
3mm Walnut 3mm 胡桃木		Vectorize	400	M3	0%	100%	1	
5mm Walnut		Vectorize	200	M3	0%	100%	1	
8mm Walnut		Vectorize	100	M3	0%	100%	2	
10mm Walnut		Vectorize	200	M3	0%	100%	8	
12mm Walnut		Vectorize	200	M3	0%	100%	10	
15mm Walnut	/	/	/	/	/	/	/	
20mm Walnut	/	/	/	/	/	/	/	
25mm Walnut	/	/	/	/	/	/	/	
3mm red translucent Acrylic 3mm 红色半透明亚克力		/	/	/	/	/	/	
3mm Yellow transparent Acrylic 3mm 黄色透明亚克力		/	/	/	/	/	/	
3mm light tan transparent acrylic 3mm 浅茶色亚克力		/	/	/	/	/	/	

3mm dark gray acrylic 3mm 深灰色亚克力		/	/	/	/	/	/	
3.5mm Black Acrylic 3.5mm 黑色亚克力(不透明)		Vectorize	100	M3	0%	100%	1	
6mm Black Acrylic		Vectorize	100	M3	0%	100%	3	
8mm Black Acrylic		Vectorize	100	M3	0%	100%	4	
10mm Black Acrylic		Vectorize	100	M3	0%	100%	5	
There is an irritating odor when cutting, so cut with caution								
15mm Black Acrylic		Vectorize	100	M3	0%	100%	7	
20mm Black Acrylic		Vectorize	100	M3	0%	100%	15	
25mm Black Acrylic		Vectorize	100	M3	0%	100%	20	
30mm Black Acrylic		Vectorize	100	M3	0%	100%	25	
40mm Black Acrylic		/	/	/	/	/	/	
45mm Black Acrylic		/	/	/	/	/	/	
47mm Black Acrylic		/	/	/	/	/	/	
50mm Black Acrylic		/	/	/	/	/	/	
3mm Green Acrylic 3mm 绿色亚克力(不透明)		Vectorize	100	M3	0%	100%	2	 There are burn marks along the cutting path and a pungent odor is emitted during the cutting process. Cut with caution
5mm Green Acrylic		Vectorize	100	M3	0%	100%	4	 There is an irritating odor when cutting, so cut with caution
8mm Green Acrylic		Vectorize	100	M3	0%	100%	8	 There is an irritating odor when cutting, so cut with caution
3mm Orange Acrylic 3mm 橙色亚克力(不透明)		Vectorize	100	M3	0%	100%	2	There is an irritating odor when cutting, so cut with caution
6mm Orange Acrylic		/	/	/	/	/	/	

3mm Blue Acrylic 3mm 蓝色亚克力(不透明)	/	/	/	/	/	/	Can't cut. Blue Light is Absorbed
3mm Yellow Acrylic 3mm 黄色亚克力(不透明)		Vectorize	100	M3	0%	100%	2  There are burn marks along the cutting path and a pungent odor is emitted during the cutting process. Cut with caution
5mm Yellow Acrylic		Vectorize	100	M3	0%	100%	3  There are burn marks along the cutting path and a pungent odor is emitted during the cutting process. Cut with caution
8mm Yellow Acrylic	/	/	/	/	/	/	Can't cut
3mm Red Acrylic 3mm 红色亚克力(不透明)		Vectorize	100	M3	0%	100%	2  There are burn marks along the cutting path and a pungent odor is emitted during the cutting process. Cut with caution
5mm Red Acrylic		Vectorize	100	M3	0%	100%	4  There are burn marks along the cutting path and a pungent odor is emitted during the cutting process. Cut with caution
10mm Red Acrylic		Vectorize	100	M3	0%	100%	10  There are burn marks along the cutting path and a pungent odor is emitted during the cutting process. Cut with caution
15mm Red Acrylic	/	/	/	/	/	/	Can't cut
3mm PolyVinyl Chloride (雪弗板)		Vectorize	900	M3	0%	100%	1 
5mm PolyVinyl Chloride		Vectorize	700	M3	0%	100%	1There are burn marks along the cutting path and a pungent odor is emitted during the cutting process. Cut with caution
15mm PolyVinyl Chloride	/	/	/	/	/	/	
1mm Gray Cardboard 1mm 灰纸板		Vectorize	600	M3	0%	100%	1 
2mm Gray Cardboard		Vectorize	300	M3	0%	100%	1 
3mm Gray Cardboard		Vectorize	200	M3	0%	100%	1 
6mm Gray Cardboard	/	/	/	/	/	/	
1mm White Cardboard 1mm 白纸板		Vectorize	900	M3	0%	100%	1 
2.5mm White Cardboard		Vectorize	200	M3	0%	100%	1  There is a slight yellowing next to the cutting path
3mm White Cardboard		Vectorize	200	M3	0%	100%	1  There is a slight yellowing next to the cutting path

1mm Black Cardboard 1mm 黑纸板		Vectorize	700	M3	0%	100%	1		There is a slight yellowing next to the cutting path
2.5mm Black Cardboard		Vectorize	200	M3	0%	100%	1		
1mm Coated Duplex Board (牛卡纸)		Vectorize	600	M3	0%	100%	1		
2mm Coated Duplex Board		Vectorize	300	M3	0%	100%	1		
2mm Corrugated Board 2mm 瓦楞纸		Vectorize	1000	M3	0%	100%	1		
5mm Corrugated Board		Vectorize	800	M3	0%	100%	1		
1.5mm Leather 1.5mm 皮革		Vectorize	400	M3	0%	100%	1		There is an irritating odor when cutting, so cut with caution
2mm Leather		Vectorize	400	M3	0%	100%	1		There is an irritating odor when cutting, so cut with caution
0.2mm colored paper 0.2mm 彩纸		Vectorize	1000	M3	0%	100%	1		
0.6mm colored canvas 0.6mm 彩色帆布		Vectorize	900	M3	0%	100%	1		Cut edges neatly, but slight burn marks can be seen
0.6mm white canvas 0.6mm 白色帆布		Vectorize	900	M3	0%	100%	1		Cut edges neatly, but slight burn marks can be seen
0.7mm denim 0.7mm 牛仔裤		Vectorize	900	M3	0%	100%	1		Cut edges neatly, but slight burn marks can be seen
0.8mm denim		Vectorize	900	M3	0%	100%	1		Cut edges neatly, but slight burn marks can be seen
1mm rubber 1mm 橡胶		Vectorize	100	M3	0%	100%	2		There are burn marks along the cutting path and a pungent odor is emitted during the cutting process. Cut with caution
3mm rubber	/	/	/	/	/	/	/	/	Can't cut
1mm white ABS sheet 1mm 白色ABS		Vectorize	100	M3	0%	100%	2	/	There are burn marks along the cutting path and a pungent odor is emitted during the cutting process. Cut with caution
1mm black ABS sheet 1mm 黑色ABS		Vectorize	500	M3	0%	100%	1		
2mm black ABS sheet		Vectorize	200	M3	0%	100%	1		There is an irritating odor when cutting, so cut with caution

3mm black ABS sheet	Vectorize	200	M3	0%	100%	2	
4mm black ABS sheet	Vectorize	100	M3	0%	100%	1	
6mm black ABS sheet	Vectorize	100	M3	0%	100%	2	There are burn marks along the cutting path and a pungent odor is emitted during the cutting process. Cut with caution
8.5mm bamboo 8.5mm 竹子	Vectorize	100	M3	0%	100%	6	
0.2mm 3K carbon fiber board 0.2mm 碳纤维板		/	/	/	/	/	
0.5mm 3K carbon fiber board	/	/	/	/	/	/	
1mm 3K carbon fiber board	/	/	/	/	/	/	
clear acrylic 透明亚克力	/	/	/	/	/	/	Can't cut
copper 铜	/	/	/	/	/	/	Can't cut
gold 金	/	/	/	/	/	/	Can't cut
Pure aluminum 纯铝	/	/	/	/	/	/	Can't cut
pure iron 纯铁	/	/	/	/	/	/	Can't cut
Notice: 1、The results would be different in even same material with different finishing or different colors, So you need to adjust the speed and power rate based on different objects. Also, please adjust the focal length to be the best, make the focal spot to be the smallest. 2、It couldn't engrave or cut directly: Glossy metal plate, Transparent materials, Reflecting materials, Some materials in white color or pervious to light, etc. Then, you need to use the marker pen to black it to engrave.							