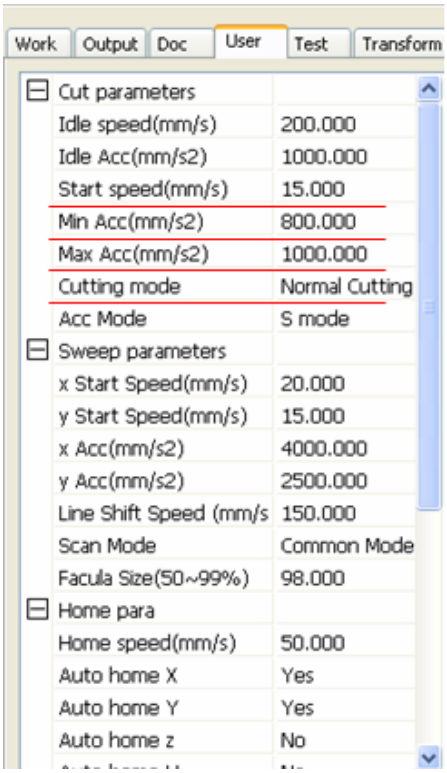
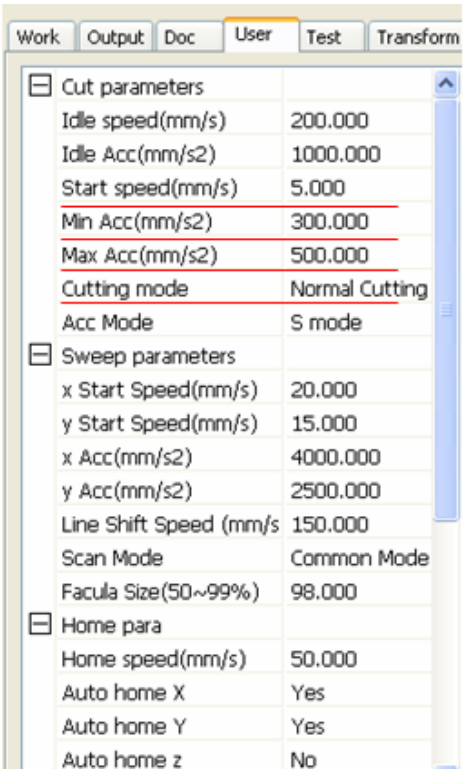
80W First grade laser tube/ on acrylic (cutting effect refers to Picture 4)					
Lens 63.5mm	Speed(mm/s)		Power (%)		Remarks
	Best speed	Speed range	Min. Power	Max. Power	
1mm	60	35-100	75	80	Refer to Picture 1
2mm	50	30-80	75	80	Refer to Picture 1
3mm	20	10-30	75	80	Refer to Picture 2
5mm	8	6-17	75	80	Refer to Picture 2
8mm	4	3-6	75	80	Refer to Picture 3
10mm	4	2-5	75	80	Refer to Picture 3
Lens 100	Speed(mm/s)		Power (%)		Remarks
	Best speed	Speed range	Min. Power	Max. Power	
1mm			75	80	Refer to Picture 1
2mm			75	80	Refer to Picture 1
3mm			75	80	Refer to Picture 2
5mm			75	80	Refer to Picture 2
8mm			75	80	Refer to Picture 3
10mm	4	2-6	75	80	Refer to Picture 3
12mm	2	1-5	75	80	Refer to Picture 3

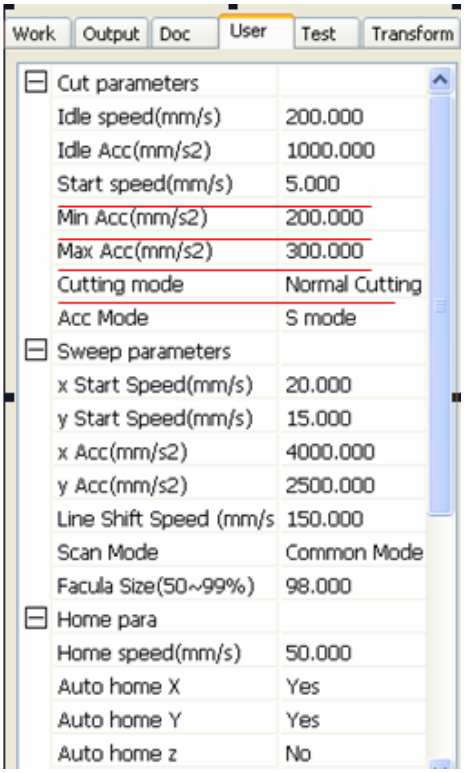
100W First grade laser tube/ on acrylic (cutting effect refers to Picture 4)					
Lens 63.5mm	Speed(mm/s)		Power (%)		Remarks
	Best speed	Speed range	Min. Power	Max. Power	
1mm	100	40-130	75	80	Refer to Picture 1
2mm	60	30-90	75	80	Refer to Picture 1
3mm	25	10-40	75	80	Refer to Picture 2
5mm	12	8-20	75	80	Refer to Picture 2
8mm	5	2-7	75	80	Refer to Picture 3
10mm	4	2-6	75	80	Refer to Picture 3
	Speed(mm/s)		Power (%)		

Lens 100	Best speed	Speed range	Min. Power	Max. Power	Remarks
1mm	60	30-100	75	80	Refer to Picture 1
2mm	30	20-50	75	80	Refer to Picture 1
3mm	15	10-30	75	80	Refer to Picture 2
5mm	10	7-15	75	80	Refer to Picture 2
8mm	5	2-9	75	80	Refer to Picture 3
10mm	4	2-6	75	80	Refer to Picture 3
12mm	3	2-5	75	80	Refer to Picture 3
15mm	1.5	1-3	75	80	Refer to Picture 3

135W First grade laser tube/ on acrylic (cutting effect refers to Picture 4)					
Lens 63.5mm	Speed(mm/s)		Power (%)		Remarks
	Best speed	Speed range	Min. Power	Max. Power	
1mm	100	40~150	75	80	Refer to Picture 1
2mm	60	30~90	75	80	Refer to Picture 1
3mm	25	10~35	75	80	Refer to Picture 2
5mm	12	8~18	75	80	Refer to Picture 2
8mm	6	3~9	75	80	Refer to Picture 3
10mm	5	3~7	75	80	Refer to Picture 3
Lens 100 mm	Speed(mm/s)		Power (%)		Remarks
	Best speed	Speed range	Min. Power	Max. Power	
1mm	60	40~120	75	80	Refer to Picture 1
2mm	50	30~75	75	80	Refer to Picture 1
3mm	20	10~30	75	80	Refer to Picture 2
5mm	10	8~15	75	80	Refer to Picture 2
8mm	6	3~10	75	80	Refer to Picture 3
10mm	5	3~7	75	80	Refer to Picture 3
12mm	4	2~6	75	80	Refer to Picture 3
15mm	2.5	1~4	75	80	Refer to Picture 3







Picture 1 **Picture 2** **Picture 3**

1mm
Effect from the highest speed range

1mm
Effect from the best speed

2mm
Effect from the highest speed range

2mm
Effect from the best speed

3mm
Effect from the highest speed range

3mm
Effect from the best speed

5mm
Effect from the highest speed range

5mm
Effect from the best speed

8mm
Effect from the highest speed range

8mm
Effect from the best speed

10mm
Effect from the highest speed range

10mm
Effect from the best speed

12mm
Effect from the highest speed range

12mm
Effect from the best speed

15mm
Effect from the highest speed range

15mm
Effect from the best speed

Picture 4

60W laser tube engraving effect (Engraving effect refers to Picture 6)						
Materials	Speed(mm/s) Bigger designs, higher speed		Power (%) Higher power, deeper engraving effect		Engraving interval (mm) Smaller interval, more delicate engraving effect	Remarks
	Best speed	Speed range	Min. Power	Max. Power		
Acrylic	200	10-400	18	18	0.08（0.05 and above）	Refer to Picture 5
Double-colour board	200	10-400	18	18	0.08（0.05 and above）	Refer to Picture 5
Plywood	200	10-400	18	18	0.08（0.05 and above）	Refer to Picture 5
Jeans	200	10-400	18	18	0.25（0.05 and above）	Refer to Picture 5

Picture 5