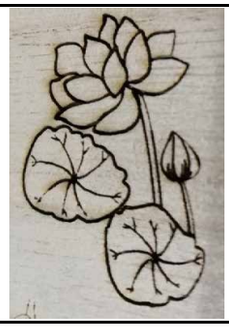
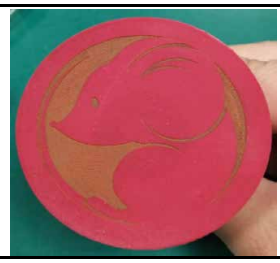
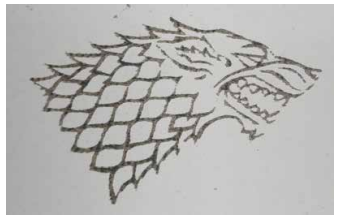
Remark : Our parameter list is only for the most widely used materials. Customers may need to try other uncommon materials by themselves, or they can contact us to apply for testing.

Engraving Parameter for Common Material

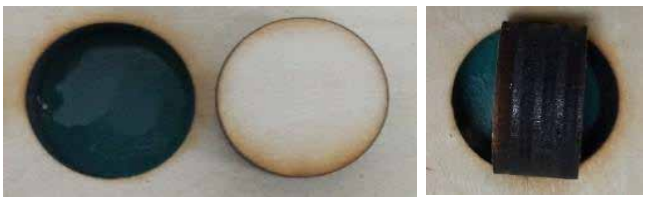
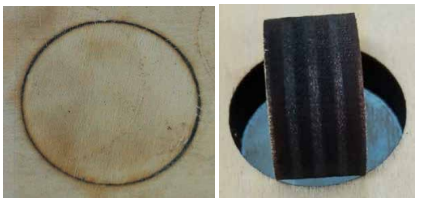
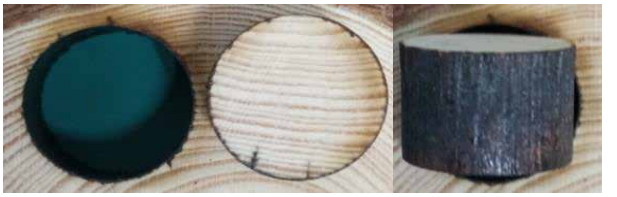
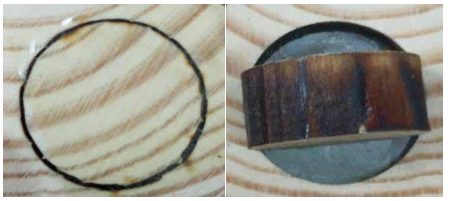
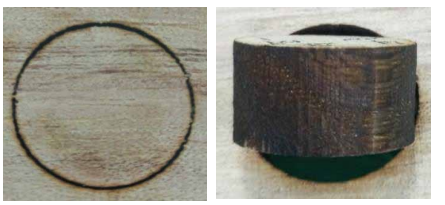
Material	Engraving						
	Line Interval	Speed (mm/m)	Max - Power	Image Mode	Needs to be blackened	Number of passes	Case illustration
Basswood	0.1	3000	20%	Threshold	NO	1	
Yellow peach wood	0.1	3000	15%	Threshold	NO	1	
Mahogany	0.1	3000	35%	Threshold	NO	1	
Pine	0.1	3000	20%	Jarvis	NO	1	
Paulownia wood	0.1	2700	45%	Threshold	NO	1	
Bamboo	0.1	3000	50%	Threshold	NO	1	
Leather	0.1	3000	20%	Threshold	NO	1	

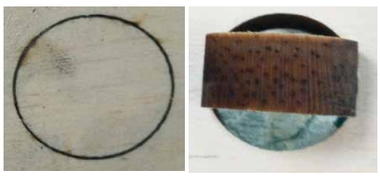
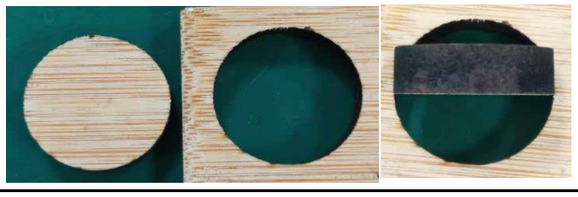
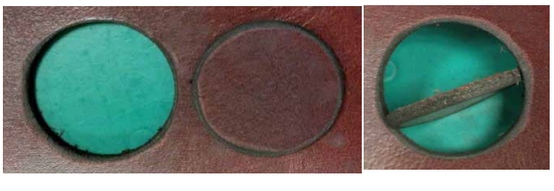
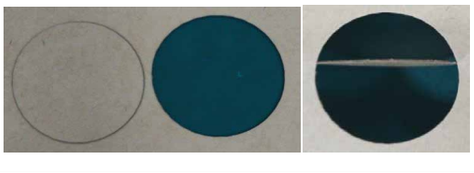
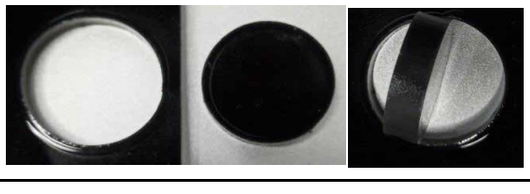
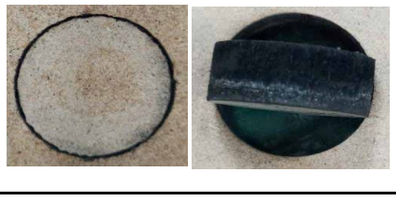
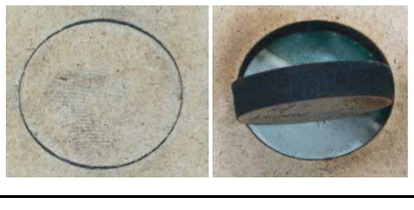
Denim	0.1	3000	20%	Threshold	NO	1	
Ceramics	0.1	1000	80%	Threshold	YES	1	
Ceramic tile	0.1	1000	80%	Threshold	NO	1	
Alumina	0.1	500	60%	Threshold	NO	1	
Glass	0.1	1000	50%	Threshold	YES	1	
Acrylic	0.1	3000	50%	Threshold	NO	1	
Translucent Acrylic	0.1	3000	13%	Jarvis	NO	1	
Two color plate	0.1	3000	12%	Threshold	NO	1	
Plastic	0.1	3000	20%	Threshold	NO	1	

Resin	0.1	1000	13%	Threshold	NO	1	
Artificial beef bone	0.1	1000	30%	Threshold	NO	1	
High density foam board	0.1	3000	15%	Threshold	NO	1	
Rubber	0.1	3000	50%	Threshold	NO	1	
Kraft Paper	0.1	3000	15%	Jarvis	NO	1	
Office paper	0.125	1500	13%	Threshold	NO	1	
Oil painting paper	0.1	3000	23%	Threshold	NO	1	
Carton	0.1	3000	15%	Threshold	NO	1	

MDF	0.085	3000	20%	Atkinson	NO	1	
Mirrors	0.08	3000	30%	Threshold	YES	1	
Rock	0.1	3000	60%	Filled	NO	1	
Cobblestone	0.1	3000	60%	Threshold	NO	1	
Crystal Stone	0.1	1000	65%	Threshold	YES	1	
PCB Board	0.1	2000	60%	Threshold	NO	1	
Mirror Stainless Steel	0.1	600	80%	Threshold	NO	1	
Brushed Stainless Steel	0.08	1000	80%	Threshold	NO	1	
Galvanized iron	0.1	100	80%	Threshold	YES	1	

Iron sheet	0.1	100	80%	Threshold	YES	1	
Artificial agate	0.1	50	80%	Threshold	NO	1	

Cutting Parameter for Common Material					
Material	**Cutting**				
	Thickness	**Speed (mm/m)**	**S-Max**	**Number of passes**	**Case illustration**
Basswood	10mm	600	75%	6	
	8mm	200	100%	1	
Pine	14mm	280	80%	10	
	9mm	130	100%	1	
Paulownia wood	18mm	320	70%	10	
	12mm	260	100%	1	

Cork wood	15mm	2000	70%	10	
	10mm	600	100%	1	
Bamboo	6mm	550	100%	3	
	5mm	400	100%	1	
Leather	2mm	300	80%	1	
Kraft Paper	0.2mm	3000	80%	1	
Acrylic	15mm	100	65%	10	
	5mm	100	100%	1	
MDF	8mm	400	100%	4	
	5mm	160	100%	1	
Stainless Steel Sheet	0.05mm	500	80%	1	