

2.5W Laser Engraving Speed/Power Reference Chart

Material	Engrave/Cut	Power	Speed	Note
5mm Basswood	Engrave	100%	70%	2.5W is generally not used for cutting
3mm Plywood	Engrave	100%	70%	
Kraft Paper	Engrave	100%	80%	
Acrylic	Engrave	100%	30%	Don't engrave directly on the transparent surface. Stick kraft paper on it first.
Solid Wood	Engrave	100%	50%	
Leather	Engrave	100%	100%	
Slate Coaster	Engrave	100%	50%	
Fabric	Engrave	100%	100%	
Cotton	Engrave	100%	100%	
Rubber	Engrave	100%	50%	
Ceramic	Engrave	100%	30%	
Black acrylic	Engrave	100%	50%	
Glass	Engrave	100%	70%	Paint the material black before engraving.
Leaf	Engrave	100%	100%	

5W Laser Engraving Speed/Power Reference Chart

Material	Engraver/Cut	Power	Speed	Note
5mm Basswood	Engrave	30%	80%	
5mm Basswood	Cut	100%	15%	
5mm Plywood	Engrave	70%	60%	
5mm Plywood	Cut	100%	11%	
Kraft Paper	Engrave	60%	80%	
Kraft Paper	Cut	100%	40%	
Acrylic	Engrave	60%	80%	Don't engrave directly on the transparent surface. Stick kraft paper on it first.
Acrylic	Cut	100%	8%	
Solid Wood	Engrave	70%	80%	
Leather	Engrave	40%	100%	
Stainless Steel	Engrave	100%	1%	Paint the material black before engraving.
Slate Coaster	Engrave	70%	90%	
Aluminum	Engrave	/	/	
Aluminum	Cut	/	/	
Copper	Engrave			
Copper	Cut	/	/	
Rubber	Engrave	60%	80%	
Rubber	Cut	100%	8%	

10W Laser Engraving Speed/Power Reference Chart

Material	Engraver/Cut	Power	Speed	Note
3mm Plywood	Engrave	30%	90%	Adjustments are required depending on the type of wood and its color.
3mm Plywood	Cut	100%	30%	
5mm Plywood	Engrave	30%	90%	Adjustments are required depending on the type of wood and its color.
5mm Plywood	Cut	100%	15%	
8mm Plywood	Engrave	30%	90%	Adjustments are required depending on the type of wood and its color.
8mm Plywood	Cut	100%	15% (2-pass)	
5mm Solid wood	Engrave	30%	90%	Adjustments are required depending on the type of wood and its color.
5mm Solid wood	Cut	100%	30%	
304 Stainless Steel	Engrave	100%	70%	Black paint not required
Titanium alloy	Engrave	100%	40%	Black paint not required
Paperboard	Engrave	30%	90%	Adjustments are required based on the thickness of the paperboard and its color.
Paperboard	Cut	70%	90%	
T-Shirt (Dark color)	Engrave	5%	90%	Adjustments are needed based on thickness of the apparel and its color.
T-Shirt (Dark color)	Cut	30%	90%	
Leather (Black)	Engrave	50%	90%	Adjustments are needed based on the type of leather and its color.
Leather (Black)	Cut	Not good	Not good	
Leather (Green)	Engrave	30%	90%	Adjustments are needed based on the type of leather and its color.
Leather (Green)	Cut	Not good	Not good	
Acrylic	Engrave	60%	80%	Don't engrave directly on the transparent surface. Stick kraft paper on it first.
Acrylic	Cut	100%	8%	
Plastic	Engrave	20%	90%	Transparent plastic cannot be engraved. Adjustments are needed based on the type of plastic and its color.
Plastic	Cut	Not good	Not good	
Rubber	Engrave	50%	90%	Adjustments are needed based on the type of rubber and its color.
Rubber	Cut	Not good	Not good	