

Reference Table of Engraving Power & Speed of Laser Master & Laser Master 1 & Laser Master 2 - With LU20W

Materials \ LU20W	Engrave or Cut	Recomended Power Range S0-S1,000	Recomended Engraving Speed mm/Min	Remark
1.6MM Plywood	Engrave	S800	3,000mm/min	It need to be adjusted based on different woods, different colors.
	Cut	S1,000	200mm/min Run 1 round	
3MM Plywood	Engrave	S800	3,000mm/min	It need to be adjusted based on different woods, different colors.
	Cut	S1,000	100mm/min Run 2 rounds	
Paperboard (Cardboard Box)	Engrave	S200	3,000mm/min	It need to be adjusted based on different thickness paperboards, different colors.
	Cut	S1,000	1,000mm/min Run 3 rounds	
250g Kraft Paper	Engrave	S200	3,000mm/min	It need to be adjusted based on different colors.
	Cut	S1,000	1,000mm/min Run 1 round	
5MM KT Board (Dark color)	Cut	S1,000	2,000mm/min Run 1 round	It need to be adjusted based on different colors. There will be black edges after cutting
Non-woven fabrics (0.1~0.5mm, Dark color)	Cut	S1,000	1,600mm/min Run 1 round	It need to be adjusted based on different colors. There will be black edges after cutting
Cotton Cloth (Dark color)	Cut	S1,000	1,200mm/min Run 1 round	Some cotton blended fabrics may be melt. It need to be adjusted based on different colors. There will be black edges after cutting
0.7MM Leather	Engrave	S400	3,000mm/min	It need to be adjusted based on different leathers, different colors.
	Cut	S1,000	500mm/min Run 1 round	
Some Plastic Sheet (Dark Color)	Engrave	S800	3,000mm/min	Some plastic sheets may be melt. It need to be adjusted based on different colors,different colors.
Solid wood	Engrave	S800	3,000mm/min	It need to be adjusted based on different woods, different colors.
Acrylic	Engrave	S800	3,000mm/min	Cannot engrave transparent Acrylic directly, need to paste Kraft paper film on the surface.
Powder Coated Metal Paint Sprayed Metal	Engrave	S1,000	3,000mm/min	Engraved on powder coating. It need to be adjusted based on different finishings and colors.
Plated Metal	Engrave	S1,000	3,000mm/min	It's the surface color turned to be other color. Need to use Marker to balck the finishing first. It need to be adjusted based on different finishings and colors.
Anodised Aluminium	Engrave	S1,000	3,000mm/min	It's the surface color turned to be other color. It need to be adjusted based on different finishings and colors.
Cobblestone	Engrave	S1,000	100mm/min	The surface should be coated with acrylic dye heat transfer film.
Stainless Steel	Engrave	S1,000	100mm/min	The surface should be painted black by Marker Pen.

The results would be different in even same material with different finishing or different colors, **So you need to adjust.**
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.

ATTENTION:

- 1. Do NOT operate laser without eye protection (Laser goggles).**
- 2. Please set up laser engraver in the fireproofing area, with good ventilation.**
- 3. Please keep minors (especially kids younger than 14 years old) away from this laser engraver.**
- 4. Please take care the laser engraver when it is working.**
- 5. Please do not touch the laser beam with your hands or any other objects.**