

Materials	Thickness (mm)	Processing	Speed (mm/s)	Min Power (%)	Max Power(%)	Blowing	DPI	Bi-directional	
Leather	1.5mm	Vector engraving	Light engraving	1500	10	10	Low	300	Yes
		Bitmap engraving	Light engraving	1500	10	10	Low	300	Yes
		Cutting		80	3	20	High		
		Line drawing		300	2	6	Low		
Rubber	3mm	Vector engraving	Light engraving	200	40	40	High	300	Yes
		Deep engraving		100	90	90	High	300	Yes
		Cutting		10	10	85	High	/	/

## Why ThunderBolt

### Why ThunderBolt?

- \*High Resolution Engraving at High Speed
- \*Low Lifetime Cost
- \*1G Memory in the Machine
- \*Built-in Exhaust fan and Air compressor
- \*Touch Screen Operating Panel
- \*Super Silent Fans
- \*High-resolution Camera
- \*Integrated Suggest Parameter Settings
- \*Lightburn Software
- \*Rotary Axis Plug
- \*8xSafety lock
- \*US Support & Innovation Labs
- \*2 Years Warranty
- \*Metal Co2 Laser Source
- \*And More!

## Contact Us



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# ThunderBolt







New Laser Core | New Standards



# Tech Specification

Specification	ThunderBolt	Specification	ThunderBolt
Laser Source	CO2 RF laser 30w	Display panel	Yes
Working area	508*305mm	Wifi	N/A
Max speed	1000mm/s	Passthrough door	N/A
Z axis Height	110mm	Rotary	Yes
Cooling	Air	Software	LightBurn
Autofocus	Yes	Weight	78kg

# Standard Parts List

ITEM	QTY	PIC	ITEM	QTY	PIC
Ethernet Cable	1		Tapered Magnet	5	
USB-PC Cable	1		Air Blowing Ball	1	
Q-Tips	1		Lens Wipe	10	
Power Cord	1		Screwdriver Set	5	

# Parameter For ThunderBolt

Materials	Thickness (mm)	Processing	Speed (mm/s)	Min Power (%)	Max Power(%)	Blowing	DPI	Bi-directional	
Basswood	3mm	Vector engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	70	70	Low	300	Yes
		Bitmap engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	200	9	25	Low	/	/	
	5mm	Vector engraving	Light engraving	1000	60	60	Low	300	Yes
			Deep engraving	500	70	70	Low	300	Yes
		Bitmap engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	200	8	30	Low	/	/	

Materials	Thickness (mm)	Processing	Speed (mm/s)	Min Power (%)	Max Power(%)	Blowing	DPI	Bi-directional	
Acrylic	3mm	Vector engraving	Light engraving	1000	60	60	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Bitmap engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	300	9	30	Low	/	/	
	5mm	Vector engraving	Light engraving	1000	40	40	Low	300	Yes
			Deep engraving	500	100	100	Low	300	Yes
		Bitmap engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	300	9	30	Low	/	/	
Double Color Boards	1.5mm	Vector engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Bitmap engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	100	100	Low	300	Yes
		Line drawing	300	3	30	Low	/	/	
	3mm	Vector engraving	Light engraving	1000	60	60	Low	300	Yes
			Deep engraving	500	100	100	Low	300	Yes
		Bitmap engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	300	7	25	Low	/	/	
MDF	3mm	Vector engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	100	100	Low	300	Yes
		Bitmap engraving	Light engraving	1000	40	40	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	300	9	30	Low	/	/	
	3mm	Vector engraving	Light engraving	1000	80	80	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Bitmap engraving	Light engraving	1000	60	60	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	300	10	35	Low	/	/	
Leathaire	1mm	Vector engraving	Light engraving	1000	40	40	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Bitmap engraving	Light engraving	1000	30	30	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	300	9	15	Low	/	/	
	1mm	Vector engraving	Light engraving	1000	40	40	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Bitmap engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	300	9	20	Low	/	/	
Green cardboard	0.6mm	Vector engraving	Light engraving	1000	50	50	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Bitmap engraving	Light engraving	1000	30	30	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	300	9	30	Low	/	/	
	1mm	Vector engraving	Light engraving	1000	30	30	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Bitmap engraving	Light engraving	1000	40	40	Low	300	Yes
			Deep engraving	500	90	90	Low	300	Yes
		Line drawing	200	9	25	Low	/	/	