

Model	Laser Power	Engraving Size	Processing Mode	Material	Thickness(mm)	Recommended Power (%)	Recommended Work Speed(mm/min)	Passes	Notes
Creality Falcon2/ Creality Falcon2 Pro	40W(Normal)	400mm*415mm	Engraving	Basswood	2	25	6000	1	<p>1.Please ensure that the focal length of the laser module is correct and the lens of the laser module is clean when powered off(It can be clean with the dustless cloth and alcohol).</p> <p>2.The parameters are for reference only because the color of the material is different and it will lead to a different effect.You can achieve a desired effect by adjusting the parameters:</p> <p>Generally higher power or slower speed make deeper effect; Lower power or faster speed make shallower effect.In addition, engraving on brushed stainless steel can achieve colorful effects by setting different parameters, but the oxidation degree of different materials is different, and slight differences in focal length and power will also affect the actual effect.It is recommended to do some tests on your material.</p> <p>3.The bottom surface of the cutting place should be suspended(use a honeycomb worktable) when cutting.You should protect the workbench (such as using aluminum plates or other materials that are not easily penetrated by laser).</p>
				Walnut Plywood	3	20	6000	1	
				Rosewood Plywood	3	20	6000	1	
				Bamboo	3	25	6000	1	
				Kraft Paper	0.15	12	6000	1	
				Red Card Paper	0.2	8	6000	1	
				Red Felt	0.8	7	6000	1	
				Brown Leather	0.65	12	6000	1	
				Black Opaque Glossy Acrylic	3	26	6000	1	
				Purple Opaque Glossy Acrylic	3	26	6000	1	
				Red Opaque Glossy Acrylic	3	26	6000	1	
				Orange Opaque Glossy Acrylic	3	26	6000	1	
				Green Opaque Glossy Acrylic	3	26	6000	1	
				Red Transparent Acrylic	3	12	3000	1	
				Yellow Transparent Acrylic	3	12	3000	1	
				Green Transparent Acrylic	3	12	3000	1	
				Black Frosted Acrylic	3	22	3000	1	
				Orange Frosted Acrylic	3	30	1200	1	
				Green Frosted Acrylic	3	30	1200	1	
				Purple Frosted Acrylic	3	30	1000	1	
				Anodized Aluminum	3	30	6000	1	
				Brushed Stainless Steel	2	40	6000	1	
				White Tile Painted Black	2	100	1000	1	
			Cutting	Basswood	2	28	4000	1	
					3	100	850	1	
					5	100	700	1	
					8	100	400	1	
					10	100	300	1	
				Walnut Plywood	15	100	150	1	
					3	100	750	1	
					5	100	600	1	
					3	100	750	1	
				Rosewood Plywood	5	100	600	1	
					5	100	800	1	
					5	100	800	1	
					0.2	40	4000	1	
					0.2	30	4000	1	
					0.8	35	4000	1	
					0.65	70	4000	1	
				Black Acrylic	4.6	100	180	1	
					7.6	100	120	2	
					3	30	120	2	
					3	30	120	1	
					3	30	120	2	
				Orange Opaque Glossy Acrylic	3	30	120	3	
					3	30	120	3	
					3	30	120	3	
					3	30	120	2	
					3	30	120	3	
				Green Opaque Glossy Acrylic	3	30	120	3	
					3	30	120	3	
					3	30	120	3	
					3	30	120	3	
					3	30	120	3	
				Black Frosted Acrylic	3	30	120	3	
					3	30	120	3	
					3	30	120	3	
					3	30	120	3	
					3	30	120	3	

The recommended parameters on this page are for **Normal** mode.The laser beam of the 40W laser module can be adjusted by holding on the “Reset Button” for 2 seconds after power on.
The indicator lights on the laser module can indicate the current mode. Please refer to “Recommended Parameters for 22W” if you engrave or cut in **Precise mode**.