



Material	Wattage Machine	Mode	Percent Wattage	Speed MM/s	Scan Gap mm	DPI	Thickness	Passes	Notes
Acrylic - Mirrored	80	Cut	40	15	NA	NA	1/8 inch	2	Use first pass to get almost to the mirror backing. Use the second pass to finish the cut and polish the previously cut edge. Excessive heat will boil the mirror backing. Use high amount of air assist.
	60		60	12					
	40		75	10					
Granite	80	Engrave	85	150	.085	299	Any	1	Use high powers to engrave at slowest speeds. May rub high contrast paints into the cracks, then wipe off ... to make the image POP into view.
	60		85	120					
	40		85	101					
Romark - multi-color	80	Engrave	12	325	.100	254	Any	1	Use scan gap thick enough to prevent plastic from rolling into globs. Use only enough air to get into the desired color plastic.
	60		15	325					
	40		18	350					
Plexi-Glass	80	Cut	50	12	NA	NA	Varies (1/8 inch)	1	Cut fast and hard. Make sure to get fumes out of work area fast. Do not breathe the fumes.
	60		70	10					
	40		85	7					
Styrofoam - Closed cell (Drinking cup)	80	Cut	12	45	NA	NA	Varies	1	Use long focal length lens. Use lots of air for cooling the Styrofoam. Cut in thin layers, glue layers together.
	60		15	45					
	40		15	45					
Styrofoam - Open Cell (Squishy foam for custom equipment cases)	80	Cut	12	25	NA	NA	Varies	1	Use long focal length lens. Use lots of air assist to keep cool.
	60		15	25					
	40		18	25					
Brick	80	Cut	70	35	NA	NA	Any	1	Use minimal air. Engrave with target slightly out of focus. Needs to be "engravable brick" to turn the sand into glass.
	60		80	25					
	40		85	10					
Mirror (Back)	80	Engrave	45	325	.085	299	Any	1	Laser power effects the paint and heat transfers to copper /silver film layers. The laser continues to scar the glass.
	60		50	325					
	40		60	325					
Leather	80	Engrave	45	325	.085	299	Any	1	Set Scan-Gap for resolution that you need for your design projects.
	60		50	325					
	40		60	325					
Leather	80	Cut	70	12	NA	NA	1/16 inch	1	Use lowest power with highest speeds to completely cut through the material. Higher speeds may be obtained by also increasing power.
	60		85	10					
	40		85	7					
Anodized Aluminum	80	Engrave	25	325	.065	391	Any	1	Set Scan-Gap for resolution that you need for your design projects. Aluminum can take a high resolution. Power settings vary for color.
	60		30	325					
	40		35	325					
Powder Coated Metal	80	Engrave	25	325	.085	299	Any	1	Set Scan-Gap for resolution that you need for your design projects. Don't try to engrave all the way thru. Exposed metal may tarnish or rust.
	60		30	325					
	40		35	325					
Cermark	80	Engrave	50	300	.070	362	Any	1+	Too high of power will damage the Cermark. Too low power will not heat Cermark to stick to the material. The glass/metal/ceramic must be warm.
	60		55	300					
	40		60	300					

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More added as available....

Thank you,

Rabbit Laser USA