

# SECTION 12:

## Speed and Power Recommendations

MATERIAL	300 DPI RASTER ENGRAVING	400 DPI RASTER ENGRAVING	600 DPI RASTER ENGRAVING	VECTOR CUTTING
	SPEED/POWER	SPEED/POWER	SPEED/POWER	SPEED/POWER/FREQUENCY
Wood Cherry – Alder –Walnut	20/100	25/100	30/100	<p>1/8" (3 mm) – 12/100/20 1/4" (6 mm) – 6/100/20</p> <p>(multiple passes may allow cutting of thicker materials)</p>
Acrylic	100/80	100/70	100/60	<p>1/8" (3 mm) – 7/100/100 1/4" (6 mm) – 2/100/100</p> <p>(two passes may produce better result)</p> <p>Adjusting the standard focus distance so your material is closer to the lens by about .030" (0.76 mm) will produce better edge quality on 1/4"(3 mm) and thicker acrylic</p>
AlumaMark	100/60	100/50	100/50	N/A
Anodized Aluminum	100/70	100/65	100/60	N/A
Painted Brass	100/80	100/70	100/60	N/A
Marbleized Painted Brass	100/100	100/90	100/80	N/A
Marbleized Painted Corian Or Avonite	15/100	20/100	25/100	1/8" (3 mm) – 6/100/100
Delrin Seals	100/90	100/80	100/70	30/100/50
Glass	15/100	20/100	25/100	N/A
Laserable Plastic	100/80	100/70	100/60	15/100/100
Leather	100/65	100/55	100/45	1/8" (3 mm) – 10/100/50
Marble	10/100	15/100	20/100	N/A
Mat Board	100/75	100/65	100/55	20/50/50
Melamine	30/100	40/100	50/100	N/A
Stainless Steel With Cerdec Coating	N/A	20/100	25/100	N/A
Stainless Steel With Rubber & Rubber Stamps	N/A	10/100	20/100	10/100/100

