



THE OHIO STATE
UNIVERSITY

Laser Cutter (Epilog Legend 36EXT)

Speed & Power Settings

	300 DPI Raster Engraving	400 DPI Raster Engraving	600 DPI Raster Engraving	Vector Cutting
Material	Speed/Power	Speed/Power	Speed/Power	Speed/Power/Frequency
Wood	55/100	65/100	75/100	1/8" (3mm) - 30/60/1000 1/4" (6.4mm) - 10/100/1000
Acrylic	100/60	100/50	100/40	1/8" (3mm) - 15/100/5000 1/4" (6.4mm) - 6/100/5000
Anodized Aluminum	100/60	100/50	100/40	N/A
Laser Brass	100/50	100/40	100/30	N/A
Cardboard	N/A	N/A	N/A	1/8" - 50/80/2500
Corian/Avonite	55/100	65/100	75/100	1/8" - 10/100/5000
Derlin Seals	100/60	100/50	100/40	25/75/1000
Glass	65/100	85/100	100/80	N/A
Genuine Leather	100/70	100/60	100/50	1/8" - 25/30/500
Marble	100/100	100/85	100/75	N/A
Mat Board	100/60	100/50	100/40	15/20/1000
Melamine	65/100	75/100	85/100	N/A
Rubber/Stamps	30/100	40/100	50/100	30/100/100

****DANGER:** If your material is not listed, find the MSDS sheet and show it to the Studios Manager.
Some materials such as PVC and Fiberglass release toxic fumes when laser cut.