

# Epilog Mini Suggested Material Settings

Material	Resolution	Frequency	Speed	Power
<b>Acrylic</b>				
Photo Engraving	300 DPI		90%	55%
Text/Clipart Engraving	300 DPI		90%	75%
Text/Clipart Engraving	600 DPI		90%	70%
Cutting 1/8" (3 mm)		5,000 Hz	12%	100%
Cutting 1/4" (6 mm)		5,000 Hz	6%	100%
Cutting Note: Adjusting the standard focus distance so it is closer to the lens by about .030" (.762 mm) will produce better edge quality on 1/4" acrylic and thicker. Two passes may produce better results and allow for cutting through thicker materials. There are <b>two types</b> of acrylic: <b>cast</b> is better for engraving (creates a frosted look when engraved) and <b>extruded</b> acrylics are better for smooth-edge cutting.				
<b>Alumamark</b>				
Engraving	300 DPI		90%	45%
Engraving	600 DPI		90%	35%
<b>Anodized Aluminum</b>				
Photos/Clipart Engraving	300 DPI		90%	50%
Photos/Clipart Engraving	600 DPI		90%	45%
Text	600 DPI		90%	55%
When engraving anodized aluminum, text appears best at 600 DPI, but photos and clipart can be engraved with great detail down to 300 DPI				
<b>Cardboard</b>				
Engraving	400 DPI		70%	90%
Cutting		500 Hz	20%	45%
<b>Cork</b>				
Engraving	300 DPI		90%	45%
Cutting		500 Hz	25%	45%
<b>Cotton</b>				
Engraving	300 DPI		90%	25%
Cutting		2500 Hz	75%	30%
<b>Denim</b>				
Engraving	300 DPI		90%	30%
<b>Fleece</b>				
Engraving	150 DPI		90%	30%
Cutting		2,500 Hz	25%	20%
When engraving fabric, try changing the graphic to <b>80% gray</b> and use the <b>Jarvis dithering pattern</b> for best results. Every fabric you cut will need to have adjusted settings - find a small swatch of fabric for a test first.				
<b>Glass</b>				
Engraving	300 DPI		20%	100%
When etching glass, try changing the graphic to 80% gray before engraving and use the Jarvis dithering pattern. You can also diffuse heat by covering the glass with a thin sheet of dish soap.				
<b>Leather</b>				
Photo Engraving	300 DPI		90%	35%
Text/Clipart Engraving	600 DPI		90%	45%
Cutting 1/8" (3 mm)		500 Hz	30%	75%
<b>Mat Board</b>				
Engraving	400 DPI		70%	90%
Cutting		500 Hz	20%	45%
Bottom-up engraving is suggested for mat board etching. These settings work for cardboard too.				
<b>Marble</b>				
Photo Engraving	300 DPI		90%	50%
Text Engraving	600 DPI		90%	60%
Every marble is very different for settings. Start low and increase the power with a second run if you haven't used that marble before.				

Material	Resolution	Frequency	Speed	Power
<b>Painted Brass</b>				
Engraving	300 DPI		90%	40%
Engraving	600 DPI		90%	35%
<b>Plastics</b>				
Engraving	300 DPI		90%	35%
These settings work well with many plastics including plastic phones and covers. Even one color plastics can achieve a great look when engraved.				
<b>Plastics (2-Layer Engraveable)</b>				
Engraving	300 DPI		90%	75%
Engraving	600 DPI		90%	65%
Cutting 1/8" (3mm)		5,000 Hz	20%	100%
<b>Rubber Stamps</b>				
Engraving	400 DPI		10%	100%
Engraving	600 DPI		20%	100%
Cutting		100 Hz	15%	100%
<b>Soap</b>				
Engraving	300 DPI		90%	80%
Dark soap works better than lighter colored soap. Create a jig for uniform results.				
<b>Stainless Steel w/Cermark</b>				
Engraving	600 DPI		25%	100%
<b>Twill</b>				
Cutting		2,500 Hz	50%	45%
<b>Wood</b>				
Photo Engraving	600 DPI		45%	100%
Clipart/Text Engraving	600 DPI		35%	100%
Clipart/Text Engraving	300 DPI		30%	100%
Deep Engraving	600 DPI		15%	100%
Thin Veneer		500 Hz	30%	18%
Cutting 1/8" (3mm)		500 Hz	30%	100%
Cutting 1/4" (6 mm)		500 Hz	10%	100%
When cutting wood, multiple passes may allow cutting of thicker materials. You can readjust the focus between passes down to the center point of the cut for the best results.				