Epilog Mini Suggested Material Settings

Material	Resolution	Frequency	Speed	Power
Acrylic				
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 two types of acrylic: **cast** is better for engraving (creates a frosted look when engraved) and **extruded** acrylics are better for smooth-edge cutting.				
Alumamark				
Engraving	300 DPI		90%	45%
Engraving	600 DPI		90%	35%
Anodized Aluminum				
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				
Cork				
Engraving	300 DPI		90%	45%
Cutting		500 Hz	25%	45%
Cotton				
Engraving	300 DPI		90%	25%
Denim				
Engraving	300 DPI		90%	30%
Fleece				
Engraving	150 DPI		90%	30%
Cutting		2,500 Hz	25%	20%
When engraving fabric, try changing the graphic to **80% gray** and use the **Jarvis dithering pattern** for best results. Every fabric you cut will need to have adjusted settings - find a small swatch of fabric for a test first.				
Glass				
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.				
Leather				
Photo Engraving	300 DPI		90%	35%
Text/Clipart Engraving	600 DPI		90%	45%
Cutting 1/8" (3 mm)		500 Hz	30%	75%

Material	Resolution	Frequency	Speed	Power
Mat Board				
Engraving	400 DPI		70%	80%
Cutting		500 Hz	20%	45%
Bottom-up engraving is suggested for mat board etching. These settings work for cardboard too.				
Marble				
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.				
Painted Brass				
Engraving	300 DPI		90%	40%
Engraving	600 DPI		90%	35%
Plastics				
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.				
Plastics (2-Layer Engraveable)				
Engraving	300 DPI		90%	75%
Engraving	600 DPI		90%	65%
Cutting 1/8" (3mm)		5,000 Hz	20%	100%
Rubber Stamps				
Engraving	400 DPI		10%	100%
Engraving	600 DPI		20%	100%
Cutting		100 Hz	15%	100%
Stainless Steel w/Cermark				
Engraving	600 DPI		25%	100%
Twill				
Cutting		2,500 Hz	50%	45%
Wood				
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 bext results.				