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| **Material** | **Raster Engraving Setting**  Default is @ 600 DPI | **Vector Cutting Settings** |
| **Acrylic**  Must be from Inventables, LaserBits, Canal Plastics or provided by Skokie Library. | Speed: 50  Power: 80 | **1/8-inch Acrylic** (most common)  Speed: 12  Power: 100  Frequency: 5000  ----------------------------------  **¼-Inch Acrylic**  Speed: 5  Power: 100  Frequency 5000  (May need 2-3 passes) |
| **Anodized Aluminum/Metal** | Speed: 30  Power: 100 | Not Applicable |
| **Cardstock** | Speed: 75  Power: 25 | Speed: 50  Power: 35  Frequency: 500 |
| **Cork** | Speed: 50  Power: 25 | Not Applicable |
| **Glass** | **Image Should be 80% Black**  Speed: 15  Power: 100  **DPI: 300**  **Image Dithering: Jarvis** | Not Applicable |
| **Marble or Stone** | Speed 20:  Power: 100  **DPI: 300** | Not Applicable |
| **Slate** | Speed: 75  Power: 35 | Not Applicable |
| **Wood** | Speed: 50  Power: 100 | Speed: 12  Power: 100  Frequency: 500 |

**Secondary Materials**

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| **Material** | **Raster Engraving Setting**  Default is @ 600 DPI | **Vector Cutting Settings** |
| **100% Cotton (General Fabric)** | N/A | Speed: 50  Power: 50  Frequency: 500 |
| **Denim** | Speed: 70  Power: 20 | Speed: 35  Power: 50  Frequency: 2500 |
| **Depron Foam** | N/A | Speed: 75  Power: 20  Frequency: 500 |
| **Genuine Leather**  Vegan Leather, Pleather, or any Non-Genuine Leather is unsafe to use on laser. | Speed: 75  Power: 50 | Speed: 12  Power: 100  Frequency: 500 |
| **Felt** | N/A | Speed: 35  Power: 50  Frequency: 500 |
| **No-Odor Rubber**  **From Johnson Plastics Plus** | Speed: 10  Power: 100 | Speed: 10  Power: 100  Frequency: 250  (may need 2-3 cuts) |