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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: 50Power: 80 | **1/8-inch Acrylic** (most common)Speed: 12Power: 100Frequency: 5000----------------------------------**¼-Inch Acrylic** Speed: 5Power: 100Frequency 5000(May need 2-3 passes) |
| **Anodized Aluminum/Metal** | Speed: 30Power: 100 | Not Applicable |
| **Cardstock** | Speed: 75Power: 25 | Speed: 50Power: 35Frequency: 500 |
| **Cork** | Speed: 50Power: 25 | Not Applicable |
| **Glass** | **Image Should be 80% Black**Speed: 15Power: 100**DPI: 300****Image Dithering: Jarvis** | Not Applicable |
| **Marble or Stone** | Speed 20: Power: 100 **DPI: 300** | Not Applicable |
| **Slate**  | Speed: 75Power: 35 | Not Applicable |
| **Wood** | Speed: 50Power: 100 | Speed: 12Power: 100Frequency: 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: 50Power: 50Frequency: 500 |
| **Denim** | Speed: 70Power: 20 | Speed: 35Power: 50Frequency: 2500  |
| **Depron Foam** | N/A | Speed: 75Power: 20Frequency: 500 |
| **Genuine Leather** Vegan Leather, Pleather, or any Non-Genuine Leather is unsafe to use on laser.  | Speed: 75Power: 50 | Speed: 12Power: 100Frequency: 500 |
| **Felt** | N/A | Speed: 35Power: 50Frequency: 500 |
| **No-Odor Rubber****From Johnson Plastics Plus** | Speed: 10Power: 100 | Speed: 10 Power: 100Frequency: 250 (may need 2-3 cuts) |