

Jamieson CMA CO₂ Laser Cutter: Suggested Material Settings **DRAFT**

| Material | Process | DPI | Speed(mm/s) | Power(min) | Power(max) |
|----------------------|------------------------|-----|-------------|------------|------------|
| Acrylic | | | | | |
| | Raster Engraving | - | | | |
| | Vector Engraving | - | | | |
| | Cutting 1/16"(1.5mm) | - | | | |
| | Cutting 1/8"(3mm) | - | | | |
| | Cutting 1/4"(6mm) | - | | | |
| Bristol Board | | | | | |
| | Raster Engraving | - | | | |
| | Vector Engraving | - | | | |
| | Cutting 96lb | - | | | |
| | Cutting 400 series | - | | | |
| Butter Board | | | | | |
| | Raster Engraving | - | | | |
| | Vector Engraving | - | | | |
| | Cutting 1/32"(.75mm) | - | | | |
| | Cutting 1/16"(1.5mm) | - | | | |
| | Cutting 1/8"(3mm) | - | | | |
| Chip Board | | | | | |
| | Raster Engraving | - | | | |
| | Vector Engraving-Light | - | 200 | 10 | 20 |
| | Vector Engraving-Dark | - | | | |
| | Cutting 1/32"(.75mm) | - | | | |
| | Cutting 1/16"(1.5mm) | - | 50 | 40 | 50 |
| | Cutting 1/8"(3 mm) | - | | | |
| | Cutting 3/16"(4.5 mm) | - | | | |
| Cork | | | | | |
| | Raster Engraving | - | | | |
| | Vector Engraving | - | | | |
| | Cutting 1/16"(1.5mm) | - | | | |
| | Cutting 1/8"(3mm) | - | | | |
| | Cutting 1/4"(6mm) | - | | | |
| | | | | | |

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| Material | Process | DPI | Speed(mm/s) | Power(min) | Power(max) |
|---------------------|---|--|-------------|------------|------------|
| Mat Board | | | | | |
| | Raster Engraving | - | | | |
| | Vector Engraving | - | | | |
| | Cutting 1/16"(1.5mm) | - | | | |
| | Cutting 1/8"(3mm) | - | | | |
| Museum Board | | | | | |
| | Raster Engraving | - | | | |
| | Vector Engraving | - | | | |
| | Cutting 1/16"(1.5mm) | - | | | |
| | Cutting 1/8"(3mm) | - | | | |
| Plywood | | | | | |
| | Raster Engraving | - | | | |
| | Vector Engraving | - | | | |
| | Cutting 1/8"(3mm) | - | | | |
| | Cutting 3/16"(4.5mm) | - | | | |
| | Cutting 1/4"(6mm) | - | | | |
| Basswood | | | | | |
| | Raster Engraving | - | | | |
| | Vector Engraving | - | | | |
| | Cutting 1/32"(.75mm) | - | | | |
| | Cutting 1/16"(1.5mm) | - | | | |
| | Cutting 1/8"(3 mm) | - | | | |
| | Cutting 3/16"(4.5mm) | - | | | |
| | Cutting 1/4"(6mm) | - | | | |
| Definitions | | | | | |
| | Raster Engraving | For text fills or images | | | |
| | Vector Engraving | For engraving vector lines for text or details without cutting | | | |
| | Cutting ___"(___mm) | For cutting through flat material of specified thickness | | | |
| | ** These settings may vary depending on product manufacturer and quality. If these settings don't produce the desired affect, consult a lab monitor, the TA, or Shop Manager. | | | | |