**Date:** 2-22-2019

**Laser:** Epilog Laser M2 60 Watt

**Material:** 4.25mm Plexiglass G Acrylic Sheet

**Test 1:**

DPI: 300

Focus: +0.138

1. Raster Settings:
   1. Speed: 90
   2. Power: 65
   3. Frequency: 50
2. Vector Settings:
   1. Speed: 6
   2. Power: 100
   3. Frequency: 100

**Test 2:**

DPI: 75

Focus: +0.138

1. Raster Settings:
   1. Speed: 30
   2. Power: 100
   3. Frequency: 50
2. Vector Settings:
   1. Speed: 6
   2. Power: 100
   3. Frequency: 100

**Test 3:**

DPI: 200

Focus: +0.138

1. Raster Settings:
   1. Speed: 10
   2. Power: 100
   3. Frequency: 50
2. Vector Settings:
   1. Speed: 6
   2. Power: 100
   3. Frequency: 100

**Test 4:**

DPI: 200

Focus: +0.138

1. Raster Settings:
   1. Speed: 5
   2. Power: 100
   3. Frequency: 50
2. Vector Settings:
   1. Speed: 6
   2. Power: 100
   3. Frequency: 100

Etch depth: 1.73mm

**Test 5:**

DPI: 200

Focus: +0.138

1. Raster Settings:
   1. Speed: 3
   2. Power: 100
   3. Frequency: 50
2. Vector Settings:
   1. Speed: 6
   2. Power: 100
   3. Frequency: 100

Etch depth: 2.83mm

**Test 6:**

DPI: 200

Focus: +0.138

1. Raster Settings:
   1. Speed: 4
   2. Power: 100
   3. Frequency: 50
2. Vector Settings:
   1. Speed: 6
   2. Power: 100
   3. Frequency: 100

Etch depth: 2.04-2.06mm

**Test 7:**

DPI: 200

Focus: +0.138

1. Raster Settings:
   1. Speed: 4
   2. Power: 100
   3. Frequency: 50
2. Vector Settings:
   1. Speed: 6
   2. Power: 100
   3. Frequency: 100

Etch depth: 2.0mm

Width: 0.408

Height: 0.801

X: 0.009

Y: 0.012

Stroke: 0.072

**Test 7:**

DPI: 200

Focus: +0.138

1. Raster Settings:
   1. Speed: 4
   2. Power: 100
   3. Frequency: 50
2. Vector Settings:
   1. Speed: 6
   2. Power: 100
   3. Frequency: 100

Etch depth: 2.04-2.06mm

**Test 7:**

DPI: 200

Focus: +0.138

1. Raster Settings:
   1. Speed: 4
   2. Power: 100
   3. Frequency: 50
2. Vector Settings:
   1. Speed: 6
   2. Power: 100
   3. Frequency: 100

Etch depth: 2.0mm