**Cutting/Engraving Process**

**Starts**

**Final Product**

Data is input manually

**Repetier Host**

**Movement according to core X-Y concepts**

**(Intensity)**

**Pixel Value of Design**

**CSUS Q-Laser G-Code Generation**

**A design input**

**Picture Optimization**

**bitmap**

**(bmp)**

**Inkscape**

**Adjust/Scale Data with camera output**

**Image Processing Algorithm on MATLAB to get location & Dimensions**

**Object Captured through Camera**