EPILOG

Laser & CorelDraw Seminar

Epilog Laser
16371 Table Mountain Parkway
Golden, CO 80403
303-277-1188
303-277-9669 - fax
www.epiloglaser.com

Preliminary Outline

(8/12/09 Subject to Change)

Brief Introduction/Terminology:

a) History of Epilog and lasers in the engraving industry
b) How lasers work
c) Types of lasers in the engraving industry
    1) CO2
    2) Nd:YAG
    3) Fiber Lasers
d) Beam delivery systems for lasers
    1) Flying optics
    2) Galvanometer (Galvo)

Print Driver:

a) Raster
b) Vector
c) Speed/Power/Frequency
d) Print Quality/Resolution
e) Center-Center Engraving
f) Dithering
g) Rubber Stamps
h) 3D
i) Color Mapping

User Features at the laser:

a) Moving carriage by hand
b) Center-center engraving
c) Adjusting Speed and Power on the fly
d) Using the red dot pointer in conjunction with the numerical readout
e) USB/Ethernet

CorelDraw X4:

a) Workspace
    a. How to easily setup a custom workspace
    b. Defaults
    c. Options
    d. Menus
    e. Hints
b) Text
    a. Text on a path
    b. Bitstream Font Navigator
    c. What the Font?

c) Crop tool
d) Contour
e) Knife tool
f) Trace Bitmap
    a. Raster to vector conversion
g) Straighten image
h) Create boundary
i) Snap to guidelines
j) Single letter commands
k) Scanning artwork
l) Using fills to create shading, interest and contrast

Engraving Murals with tiles:

Engraving Photos:

a) Getting started
b) Different materials
c) Artwork
    1) Determining suitability
    2) Scanning photos
    3) Color or B/W
    4) Digital images
    5) Sizing
    6) Inverting
d) Image Adjustment lab
    a. Contrast

    b. Brightening
    c. Masking
    d. Cutouts
e) Resolution
f) Cropping and sizing
g) Resample
h) Dithering/Mode – Grayscale, 1-bit
i) Removing background
j) Cutout lab
k) Using clip art

Glass Engraving with the laser:

a) Using the rotary attachment
b) Sandblasting and the laser
c) Color on glass
    1) Cermark/TherMark
    2) Color filling

Stainless steel engraving with laser marking material (LMM):

a) Cermark – www.cermark.com
b) TherMark – www.thermark.com
c) Color