

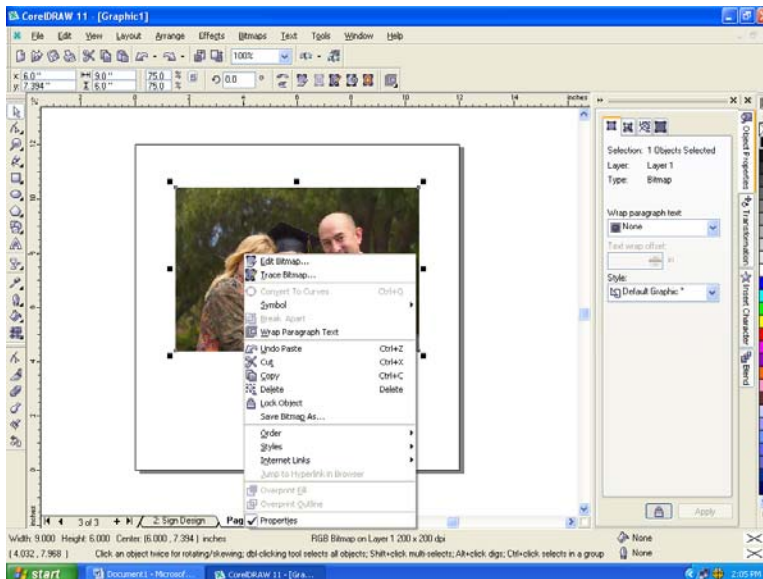


## Prepare Image for Lasering utilizing Corel Photo Paint for Image Correction and Enhancing.

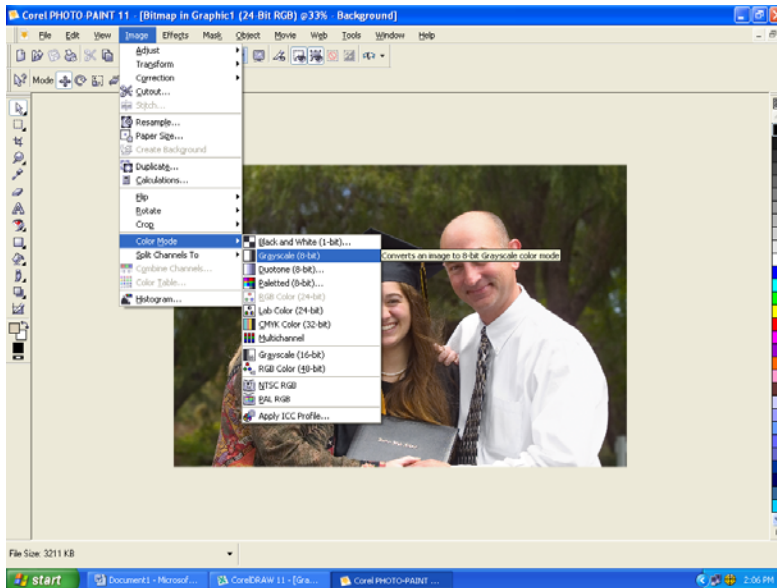
First, decide on what materials you want to use. Keeping in mind that there are three basic choices for a substrate.

1. Dark Cap/Light Core (example: Blue/White, Red/White, Black/White, etc.)
2. Light Cap/Dark Core (example: Silver/Black, White/Black, Yellow/Black, ect.)
3. Clear/Dark Core (example: a reverse engravable substrate – Matte/Blue, Matte/Black, etc

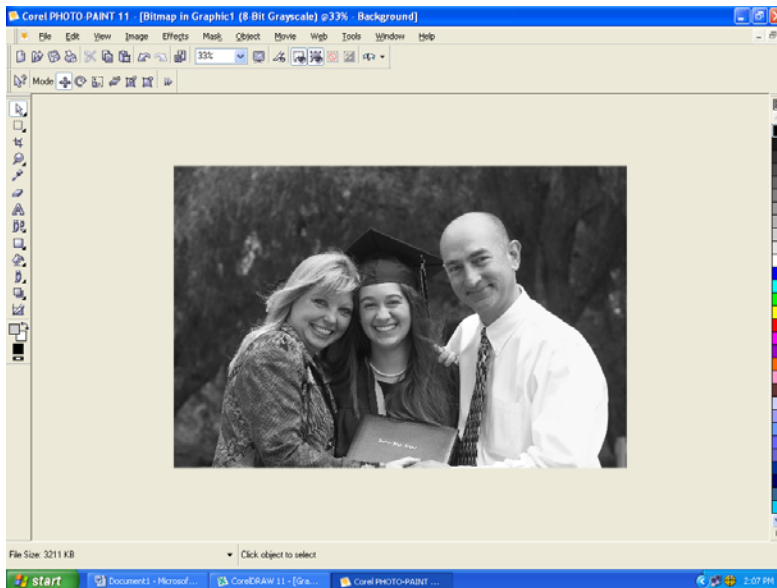
Next, while in CorelDraw, right click on the image and select “Edit Bitmap.”



Corel Photo Paint will open



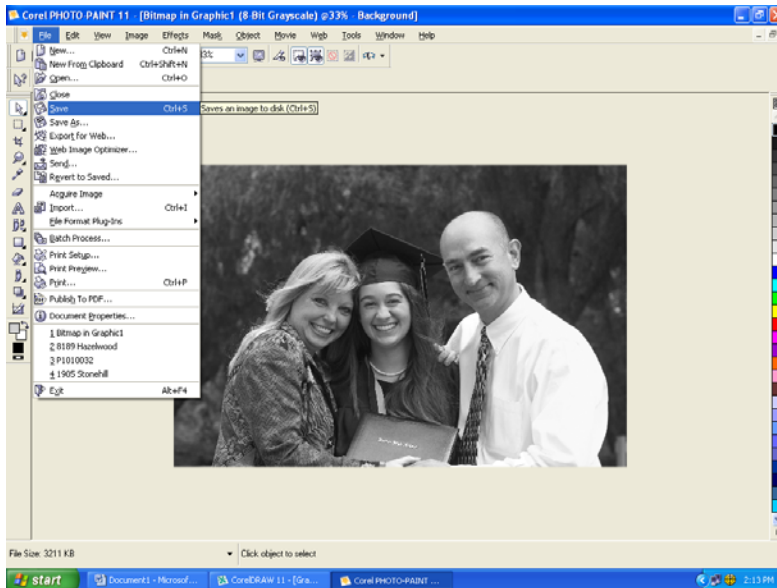
Next Select “Image” on the Menu Bar and then Select “Color Mode” and “Grayscale (8 bit).”



Converted Grayscale 8-Bit image.

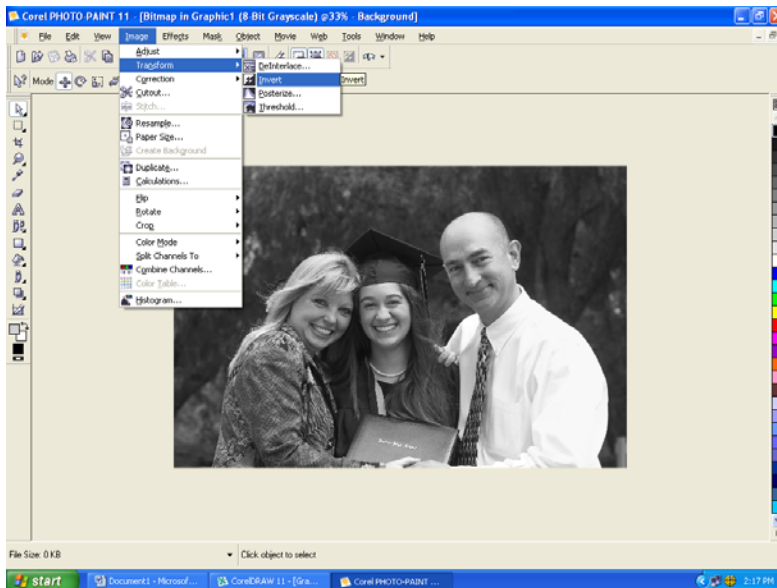
*Depending on what type of material you have chosen for your sign, this image is now ready to be lasered. This image as it stands it only suitable to be engraved on a product that is White/Black, Silver/Black etc. or any color in which the cap color is darker then the core color.*

Once the images has been converted select save in Corel Photo Paint, this will automatically save the image that you are working from in Corel Draw.

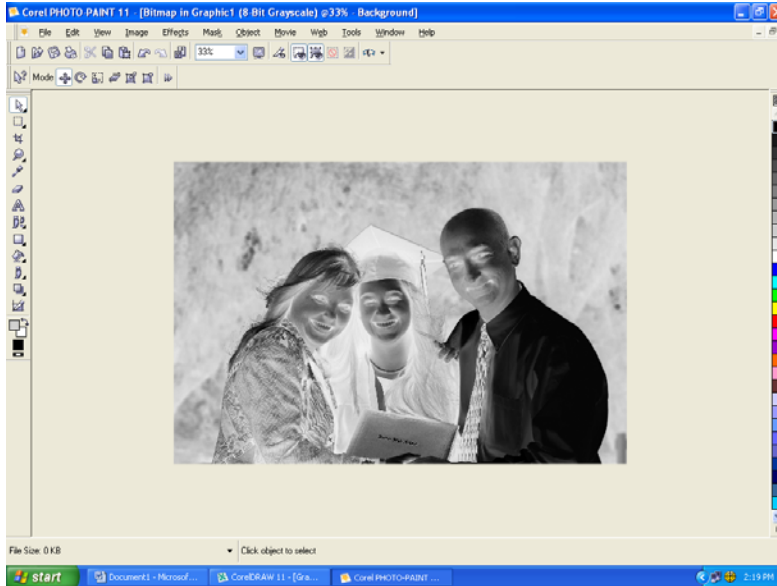


Next, return to Corel Draw and your image is ready to be lasered.  
If, in the sign design a substrate in which the cap color is darker than the core color was selected, there is an additional step to be taken.

After the image has been converted to grayscale, select image on the menu bar, then select transform and then Invert.

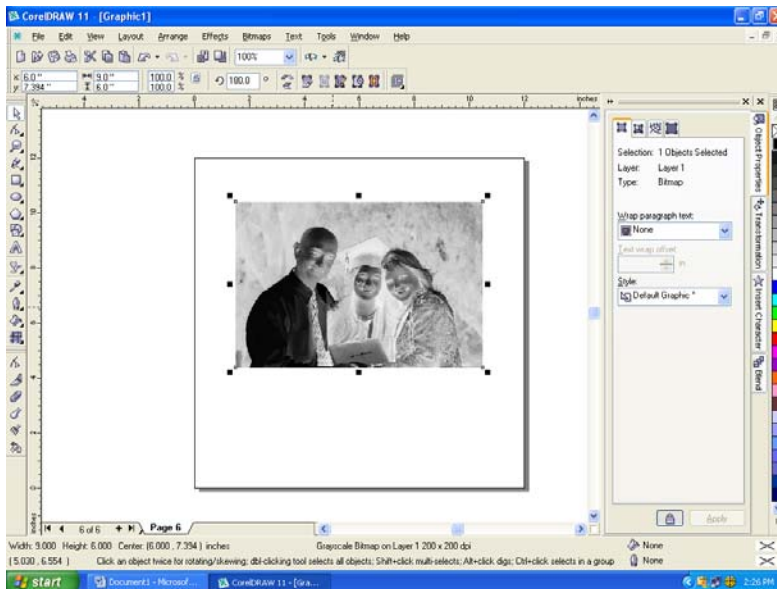


## Inverted Image:

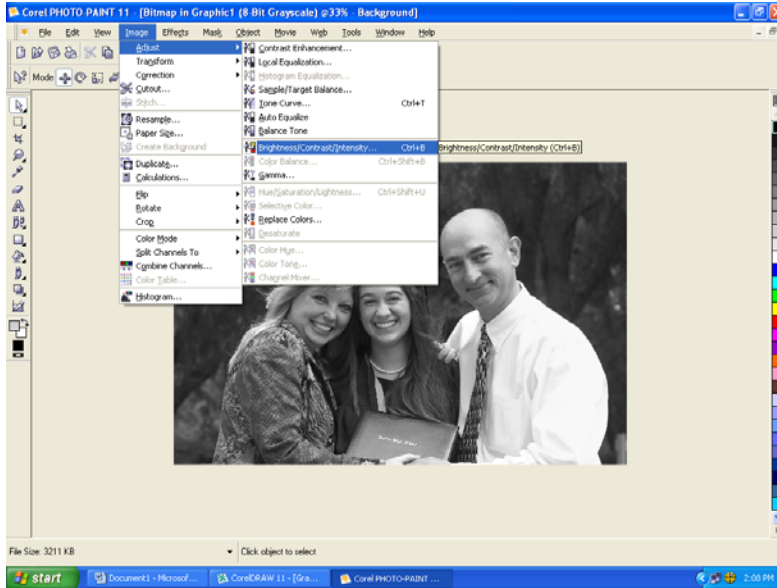


This is an inverted image, now select save and return to Corel Draw and the image is ready to be lasered.

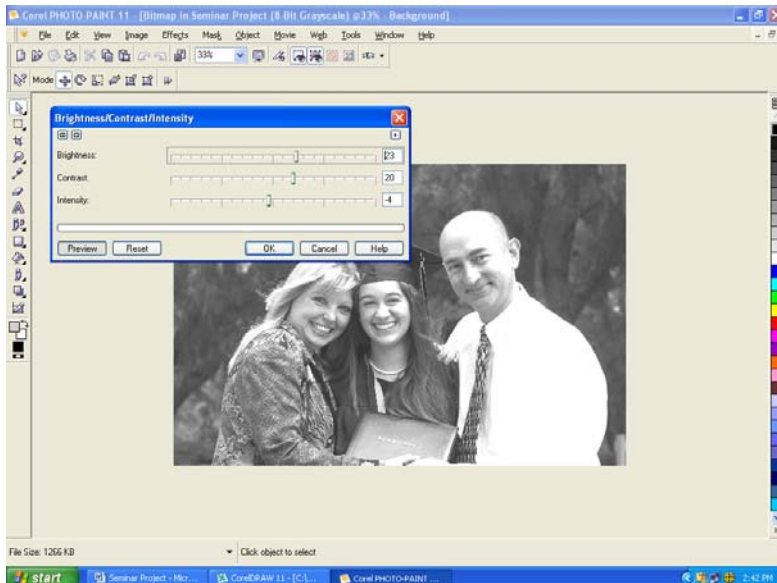
If the substrate chosen for this project is a reverse engravable: the photo will need to be inverted as described by above, after returning to Corel Draw the Image will then need to be mirrored.



On various occasions depending on the type of image, chosen to be lasered: the image will require some adjustments. If the image appears very dark, it will most likely need to be adjusted in PhotoPaint select Image again from the menu bar and select “Adjust” and then “Brightness/Contrast/Intensity”



Adjust the image, so that it appears brighter and slightly washed out, this rule often produces more favorable results when photo laser engraving.



## **Laser Settings:**

All lasers are different and the “best settings” tend not to be the same from one machine to another. It is very important to know the specifications for your machine. Older lasers have less memory and cannot laser images that have a high dpi of 300 or more. Typically this issue can be resolved if the image is resampled to 150 to 300 dpi.

The best way to find the best settings for your project is trial and error. The more you work with this process the more experience you will obtain and the more comfortable you will be with selecting the right settings.

To test settings: Laser engrave a small portion of the image on a piece of scrap material, this often is the best way to find the best settings for your project. Please also note depending on the image, settings may need to be adjusted accordingly.

*If you have further questions please contact:*

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