

Correctly scanning your originals has a dramatic impact on the final appearance of your pictures. As the old saying goes, garbage in – garbage out. Following the guidelines below will help insure that your images look their very best.

1. Determine the final size of the image and the corresponding enlargement or reduction.
2. Determine the printing line screen ruling that will be used in the production of your project. Our standard is 150 lpi however we can accept 175 lpi.
3. Determine the appropriate resolution setting using the following formula

$$\text{LPI} \times 2 \times \% \text{Enlargement} = \text{Optimum Resolution in DPI}$$

Example – An image will be printed on 150 line screens and was enlarged 250%

$$150\text{lpi} \times 2 \times 2.5 = 750\text{dpi}$$

Ideally, there will be two dpi of data per individual printing line screen.

### **Watch Points**

- If you change the size of your image by more than just a couple percent, it is best to rescan. This prevents possible color shifts and loss of detail.
- Scanning at too high a resolution can make your digital files cumbersome and unnecessarily large
- Drum scanners provide the best results when making considerable enlargements or when there is a lot of shadow detail in the original.