

# Digital Repro and Pre-Press

(2 days)

## Background

This course is designed to give anyone involved in the creation of digital artwork an understanding of the whole process from layout to final printed work and to avoid the expensive mistakes and broken deadlines often caused by a lack of expertise in this field.

This course provides a detailed and comprehensive understanding of the digital reproduction process. The course explores the terminology and techniques used by professionals in the digital repro industry. You will look at preparing, storing, proofing and transferring files, separating your artwork and everything you need to know about sending your artwork to a printer or bureau.

## Course Outline

### DAY ONE

#### INTRODUCTION

Understanding file formats  
The relationship between layout, paint and drawing programs

#### BLACK AND WHITE ARTWORK

Font substitution  
Fixing font ID clashes  
All about ATM  
Scanning artwork  
Introduction to resolution issues  
Working with pixels  
Understanding screen angles  
Understanding screen clash

#### SPOT COLOUR ARTWORK

Working with bleeds  
Working with tints  
Working with compounds  
Working with duotones  
Working with graduations  
Draw vs paint graduations  
Scanning continuous tone and black and white artwork  
Understanding trapping  
Calibrating greyscale images for print  
Understanding clipping paths

#### FOUR COLOUR ARTWORK

High-end scanning  
Colour correction  
Understanding bit depth  
RGB vs CMYK

#### IMAGE EDITING

Retouching an image  
Changing image size  
Using Gamma  
Understanding OPI  
Rasterizing an image

#### PRACTICAL EXERCISES

#### QUESTIONS AND ANSWERS

### DAY TWO

#### SEPARATED ARTWORK

Creating separations from QuarkXPress or InDesign  
Wet proofs  
Chromalins and matchprints  
Raster image processors  
Controlling dot gain  
Working with PPDs  
Separating a 5th colour

#### STORING AND TRANSFERRING FILES

The range of storage media: CD-ROM, Zip etc  
Archiving and backing up data

#### PROOFING

Di-sublimation  
Canon and QMS proofing  
Digital proofing  
Using Adobe Acrobat  
Distiller options  
Acrobat Reader  
Acrobat Catalog  
Cross platform proofing

#### COMPRESSION

Different compression algorithms and what they mean JPEG, MPEG et al

#### AT THE PRINTERS

Overview of the printing process  
Useful terminology  
How to get the best prices

#### WHAT TO SEND TO BUREAU

Hints and tips  
A repro checklist

#### PRACTICAL EXERCISES

#### QUESTIONS AND ANSWERS



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