

ADVANCED COLOR MANAGEMENT AND PROFILE CREATION WITH WORKFLOW BUILDING FOR MULTIPLE RIP STATIONS AND PRINTERS

Class Duration: 3 Days | Price: \$3499

This is a high-level color management, workflow, and profile course designed for high volume shops that have a need for optimization of resources and high production with high quality output. Also, those looking to optimize ink usage, reduce waste of materials, and maximize output speeds.

TARGET AUDIENCE

- Shops running high output roll to roll and flatbed printers
- Shops of any size with multiple RIP stations and/or multiple printers
- Any customer looking for an in-depth understating of profiling and workflow

GOALS OF PROGRAMS

- Achieve consistent colors with multiple medias and file types
- Automated workflow to assist staff in achieving consistent results
- Coordination of Design and Production staff creating efficiency and consistency
- Achieve maximum speed while retaining quality
- Creating, adjusting, and maintaining profiles for best results
- RIP training specific to color management

TOPIC OVERVIEW

DAY 1

• Color Management Evaluation and Overview

- Evaluation of current RIP, Hardware, and Processes
- Color Matching
- Color Theory
- Color Spaces and Gamut
- Using Color Charts
- Monitor Viewing vs. Printed Product
- Variance on different file types and materials
- What is an input profile vs output profile?
- What are ICC profiles?

• Workflow Evaluation and Overview

- Overview of best practices
- Walkthrough of color matching process

• File Creation and Preparation

- Input Profiles
- Document Color Space
- Building consistency with files that are being provided

• Advanced RIP Automation and Workflow

- Using Swatches
- Using Spot Color Charts
- Understanding Color Replacements
- Designing a best practices workflow
- Using Quicksets
- Custom Spot Color Tables

• Optimizing Your Profile

- Minimizing Ink Usage vs. Maximizing Color Gamut
- Recalibrating a profile to maintain accuracy
- Calibrating print for speed
- Importance of Routine Maintenance



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TOPIC OVERVIEW

DAY 2

- **Understanding Profiles**
 - What is a printer profile?
 - Do you need an ICC profile?
- **Profile Corrections**
 - Ink Levels
 - Saturation
 - Variations between Material types
- **Design Corrections**
 - File Improvements
 - Design Optimizations
 - Color Gamut Limitations
- **Step-by-Step profiling process**
 - Calibration of Printer
 - Quality & Resolution Settings
 - Ink limits
 - Saturation
 - Linearization
 - Curve Adjustments
 - How many swatches to use?
 - Advanced Profile Build Settings
 - Rendering Intents
 - Rip specific options explained
 - Black Generation – UCR vs. GRC
 - Relinearization



DAY 3

- **Monitor Calibrations**
 - Why calibrate a monitor?
 - What is needed to calibrate monitors?
 - Differences between monitor display vs. printed product
 - Additive vs. Subtractive Colors
- **Settings and Profiles on multiple RIP stations**
 - Transferring profiles to multiple RIP stations
 - Duplicating settings on multiple RIP stations
 - Licensing and Number of RIPs (Onyx Thrive)
 - Maintenance and backup of settings and profiles
 - Duplicating Profiles for multiple printers of the same type
- **Output on multiple printers**
 - Matching multiple printer profiles from one printer to another
 - Using multiple printers for the same job
 - Using Proof Printers
 - Limitations of Color Gamut between different printers
 - Additional maintenance needed to maintain consistency between printers