



SONOCO
INSTITUTE
CLEMSON® UNIVERSITY

Intro to Prepress Workshop

Location: Harris A. Smith Fishbowl

Day 1

9:00 Introduction and Print/Prepress Overview

Printing overview and flexography, prepress terminology and review of first print job.

10:00 Flexo Press Setup

Setup flexo stations on the press, set impression and measure color.

11:15 Print Initial Job and Analysis

Regular, over-impressed and out-of-register.

12:00 Lunch

1:00 Color Primer

Review color spaces (RGB, CMYK, Lab), visual color differences, ΔE and spectrophotometry.

2:00 Fingerprinting and Characterization

Test targets and develop specifications.

2:30 Profile Generation and Evaluation

Measure with X-Rite iO table, profile generation and evaluation, profile comparison and gamut check.

3:00 Break

3:15 Profiles for Proofing and Monitors

Setting up a proofer and monitor calibration.

4:00 Color Separation

UCR/GCR and converting with profiles, separation strategies and an example separations activity.

5:00 End of Day & Group Dinner.

Day 2

8:30 Color Separation (Continued)

9:15 Trapping

Strategies and parameters, methods (manual vs. automatic) and an example logo trapping activity.

10:00 Barcodes

Types of barcodes and parameters (BWR, magnifications, etc.).

10:15 Break

10:30 Designing in 3D

Reading drawings, bleed and no-print zones, and designing in 3D space.

12:00 Lunch

1:00 Begin Prepress on Job

Begin individual prepress work for final day run.

3:00 Break

3:15 Selected Topics

Explore topics selected by attendees: software, new tech, etc.

3:45 Complete Prepress on Job

5:00 End of Day

Day 3

8:30 Final File Preparation

9:15 Step and Repeat

Stepping methods, printer marks and create step-and-repeat for final job activity.

9:45 Screening and RIP

Screening, RIP parameters and setup, and RIP files for final job activity.

10:30 Break

10:45 Platemaking Basics

Plate structures, imaging, exposure and processing.

11:30 Plate Mounting

Mounting techniques and stickyback.

12:00 Lunch

1:00 Review Files and Proof

Recap of learning activities, analysis of prepared files and proof.

1:45 Print Final Job

Set up press and print final job (regular, over-impressed and out-of-register).

3:00 Review Print Job

Measurements, analyze print and discuss affects of prepress.

4:15 Open Lab and Q&A

Open lab time with various attendee-selected topics.

5:00 Evaluations and Adjourn