

Introduction to Flexography Workshop

Location: Harris A. Smith Room 101

Day 1

8:30	Program Overview and Introductions
9:00	Presentation: Overview of Major Printing Processes, Flexography Litho, Gravure, Screen, Digital, Letterpress and Flexo: Compare and Contrast
10:00	Presentation: Inks, Anilox and Doctor Blades Ink types and properties, role of the anilox, anilox specifications, and doctor blade configurations
11:00	Hands-On: Print Banded Anilox Plate mounting, ink preparation, anilox selection and pressmanship.
12:00	Lunch
1:00	Presentation: Image Reproduction File construction, halftone theory, image terminology
1:45	Presentation: Density and Tone Value Learn how density and tone value are measured.
2:00	Hands-On: Evaluation of Banded Test Measure effect of LPI and anilox volume on color strength and dot gain.
3:15	Break
3:30	Demo/Hands-On/Presentation: Technical Prepress for Flexo Prepare 2-color design files for printing.
4:00	Demo: RIP and Output Setup master file for plate output. Discuss RIP parameters.

Day 2

8:00	Hands-On: 2-Color Press Run on OMET Set-up, ink preparation, setting print impression, registration color-to-color, press clean up and measurement.
10:30	Presentation: Flexographic Platemaking Various workflows for making a flexographic printing plate
12:00	Lunch
1:00	Hands ON: 4-Color design and prepress Design, RIP, get plates started.
2:30	Presentation: Color Measurement and Comparison Measuring and defining color with Lab, comparing color with Delta E.
3:00	Hands-On: Color Measurement and Comparison Measure and compare color with a spectrophotometer.
3:45	Presentation: Press Optimization and Characterization Creating optimized print conditions and conducting a press characterization.
5:00	End of Day
Day 3	

- 8:00 Hands-On: Platemaking and Mounting Finish plates and mount to sleeves.
- **9:00** Hands-On: 4-Color Process Press Run on OMET Print CMYK job on press, color control for process printing.
- **10:00 Hands-On: Pressroom Cleaning and Maintenance** Proper techniques for plate and anilox cleaning and storage.
- **11:00 Hands-On: Flexo Print Defects** Examine and discuss common print defects.
- 11:45 Recap and Questions
- 12:00 End of Workshop