



## Advanced Flexography Workshop

### Day 1

*11:00 Optional: Press Run for Optimization targets, P2P, and characterization*

*12:00 Lunch*

**1:00 Introductions & Planning**

Agenda, goals, process overview and established start points

**1:30 Presentation: Tone Control**

Halftones, min dots, dot gain, curves, gray balance, HD screening, Pixel Plus, Surface Screening

**2:45 Break**

**3:00 Presentation: Platemaking**

Various workflows for making a flexographic printing plates

**3:45 Hands On: Platemaking**

Focus test, Stain Test, Back XP Test, Plate QC

**5:00 END**

## Day 2

**8:30 Demo: Measure P2P**

Measure P2P, generate curve set in Curve 4 and PressSync

**9:15 Demo: Digital Imaging and RIP QC**

Output files and show onscreen QC

**10:15 Break**

**10:30 Presentation: Process Color Reproduction**

CMYK, device dependent color, color separation

**11:15 Presentation: CIELab, Color Measurement, Near Neutral Calibration**

L\*a\*b\*, color gamut, device independent color, NNC and G7®

*12:00 Lunch*

**1:00 Hands On: Print 4C Characterization**

Mount plates, match press parameters, collect samples

**2:45 Break**

**3:00 Demo: Profile Creation i1Profiler**

Verify curves, analyze data, average data, build profiles

**3:30 Presentation: Color Proofing**

Software and hardware requirements, calibration, process

**4:00 Discussion: Review Process**

Recap process and plan for final print run

## **Day 3**

**8:30 Demo: Image Color Separation in Photoshop**

Convert using profiles, assemble print file

**9:00 Demo: Output Proofs**

Print color managed Inkjet proofs of final artwork

**10:00 Hands On: Print Final Artwork**

Print on OMET, setup press and troubleshoot

**12:00 Lunch**

**1:00 Hands On: Press Side Measurement systems**

Xrite Color Cert, SpotOn!, TechKon Inline, TechKon Ink Formulation

**2:45 Presentation: Intro to Process Control**

Methods to controlling variables

**3:30 Q&A, Course Evaluation**

**4:00 End of Course**