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

1:15 Presentation: Tone Control
Halftones, min dots, dot gain, curves, gray balance, HD screening, Pixel Plus, Surface Screening

2:00 Demo: Measure P2P
Measure P2P, generate curve set in Curve 4 and PressSync

2:30 Presentation: Platemaking
Various workflows for making a flexographic printing plates

3:15 Hands On: Platemaking
Focus test, Stain Test, Back XP Test, Plate QC

Day 2

8:30   **Presentation: Process Color Reproduction**
       Measure P2P, generate curve set in Curve 4 and PressSync

9:15   **Presentation: CIELab, Color Measurement, Near Neutral Calibration**
       L*a*b*, color gamut, device independent color, NNC and G7®

10:00 **Hands On: Print 4C Characterization**
       Mount plates, match press parameters, collect samples

12:00 **Lunch**

1:00   **Demo: Profile Creation i1Profiler**
       Verify curves, analyze data, average data, build profiles

3:30   **Demo: Image Color Separation in Photoshop**
       Convert using profiles, assemble print file

4:00   **Discussion: Review Process**
       Recap process and plan for final print run

Day 3

8:30   **Presentation: Color Proofing**
Software and hardware requirements, calibration, process

9:00   **Demo: Output Proofs**
Print color managed Inkjet proofs of final artwork

10:00   **Hands On: Print Final Artwork**
Print on OMET, troubleshoot, and demo Techkon Inline

12:00   **Lunch**

1:00   **Hands On: Press Side Measurement systems - Doug Sherwood, Techkon**
Xrite Color Cert, SpotOn!, TechKon Ink Formulation

2:45   **Presentation: Intro to Process Control**
Methods to controlling variables

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