

Prepress

Technical course for flexographic printing

This four-day course is a methodical approach for the optimization of prepress process control, use of applications, and implementation of an efficient prepress workflow.

- Key benefits:
- Prepare and implement an efficient prepress workflow.
- Know the main relevant processes and variables in prepress for flexographic printing.
- Share professional experiences and interaction with other responsible for the process.


Addressed to:

Aimed to prepress technicians and professionals of flexo prepress process become skilled and gain insights in prepress.

 **08-11 April 2025**

 **English**

 Register [here](#) to attend

 Program fee: 2.450 Euro(*). Payment of the full amount is due prior to the start of the program. Limited seats.

(*) Fee includes hotel accommodation for 4 nights, local transport, class materials, lunch and dinner each day.



Prepress technical course

Program

Tuesday 08

- 09:00 - 10:00 Welcome and course presentation - Comexi facilities tour.
- 10:00 - 11:00 **Prepress concepts**
New screening options, microcells, dot gain, screen angles, RIP, DGC curves, bump-up and image resolution.
- 11:00 - 11:15 **Coffee break**
- 11:15 - 13:15 **Plate technologies in solvent base, water base and thermal.**
- 13:15 - 14:30 **Lunch**
- 14:30 - 17:00 **Practical session I: Plate making process and calibration**
Power adjustment, boost settings, floorcheck and washout test.

Wednesday 09

- 09:00 - 11:00 **Density & Colorimetry Introduction**
Color spaces ($L^*a^*b^*$, $L^*C^*h^\circ$), measuring conditions & standards, color difference quantified (ΔE).
- 11:00 - 11:15 **Coffee break**
- 11:15 - 13:15 **Practical session II: Printing conditions**
Selecting the best variables configuration, Benchmark analysis and PCW.
- 13:15 - 14:30 **Lunch**
- 14:30 - 15:30 **Spectrophotometer settings and good practices**
Measuring devices models, spectrophotometer configuration and ΔE formula and tolerances.
- 15:30 - 17:00 **Colour management and Extended color gamut (ECG)**
Color adjustments for reliable, predictable, and repeatable reproduction. Fixed palette and extended gamut, selecting the appropriate ink set, extended gamut limitations, and implementation.

Thursday 10

- 09:00 - 11:00** **Characterization process**
Implementing the characterization process, Benchmark, PCW, dot gain test, and colorimetric test.
- 11:00 - 11:15** **Coffee break**
- 11:15 - 13:15** **Practical session III: Density and dot gain**
Defining Optimal Densities, Colorimetric Adjustment (SCTV).
- 13:15 - 14:30** **Lunch**
- 14:30 - 15:30** **Prepress Workflow I**
Basic Equipment: Definition of the necessary hardware and software for optimal prepress.
- 15:30 - 17:00** **Practical Session IV: Color Conversions**
CMYK color conversions based on the machine profile. Defining tolerances and controlling the conversion of Pantone colors to the printing profile.

Friday 11

- 09:00 - 11:00** **Prepress Workflow II: Automatization and implementation**
How to set up and optimize the prepress workflow to increase productivity. Creating automation to streamline the prepress process and reduce errors.
- 11:00 - 11:15** **Coffee break**
- 11:15 - 13:15** **Practical session V: Preparing a production job**
Preparation of Print Jobs.
Optimizing the job for extended gamut printing.
- 13:15 - 14:30** **Lunch**
- 14:30 - 16:30** **Printing production job (Expanded Color Gamut)**
Color matching and quality control
- 16:30 - 17:00** **Q&A. Closure**



The information in this brochure is subject to modifications.
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