

# 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.

 **30 September - 3 October 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 30

- 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 01

- 09:00 - 11:00 **Density & Colorimetry Introduction**  
Color spaces ( $L^*a^*b^*$ ,  $L^*C^*h^\circ$ ), measuring conditions & standards, color difference quantified ( $\Delta E$ ).
- 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  $\Delta E$  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 02

- 09:00 - 11:00 Characterization process**  
Implementing the characterization processs, Benchmark, PCW, dot gain test, and colorimtetric 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 03

- 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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