

Prepress

Technical course for flexographic printing

 **3-6 October 2023**

 **English**

Aimed to technicians and professionals of flexo prepress process who would like to understand, learn, become skilled and gain insights in prepress. Accredited course by the University of Girona Foundation with a diploma.

 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, from Monday to Friday (Friday night not included), local transport, class materials, lunch and dinner each day.



Prepress technical course

Program

Tuesday 3

09:00 - 10:00 **Welcome and course presentation- Comexi facilities tour.**

10:00 - 13:15 **Prepress concepts**

Types of Screening, Dot gain, Screen angles, Moiré effect, RIP, DGC curves, Bump-Up, Image resolution, CTP, Screen Ruling, Plate Engraving Technologies.

13:15 - 14:00 **Lunch**

14:30 - 17:30 **Client-to-server Work Environment**

ArtPro+ y Equinox
Adobe Photoshop y Equinox
Automation Engine
Packproof
ColorPilot
Imaging Engine
Curve Pilot - PressSync
BitMap Viewer

Wednesady 4

09:00 - 11:00 **Density & Color theory Introduction**

ColorSpaces ($L^*a^*b^*$, $L^*C^*h^0$)
Measuring Conditions & Standards
Filters for Density measuring (Status T, Status E, etc.)
Color difference quantified (ΔE)
Tone Value & Dot Gain
SCTV (Spot Color Tone Value)

11:00 - 11:15 **Coffee break**

11:15 - 13:15 **Color Management. CMYK y ECG. Characterization Process**

Standard conditions
Benchmark
Fingerprint
Calibration criteria
Colorimetric test

13:15 - 14:15 **Lunch**

14:15 - 17:00 Practical session: Characterization Process (Phase I)

Benchmark printouts analysis
Minimum printable dot
DGC (Dot Gain Compensation) Curves
PressSync & CurvePilot

Thursday 5

09:00 - 11:00 Practical session: Making of a Colorimetry Test in ArtPro+

Color charts selection and other quality control elements
Applying screenings and curves

11:00 - 11:15 Coffee break

11:15 - 13:15 Automation / Implementing Workflow

Making of a RIP Workflow in Automation Engine
Applying DGC Curves, screenings, screen ruling, etc.
Visual analysis with Bitmap Viewer

13:15 - 14:30 Lunch

14:00 - 17:30 Practical session: Characterization Process (Phase II)

Measuring of color charts in Color Pilot to generate a color profile
Creation of Equinox strategies for color conversion
Automation of color proofing

Friday 6

09:00 - 11:00 Practical session: Preparing a production job (I)

Target for process colors and spot colors
Spot Colors VS Expanded Color Gamut

11:00 - 11:15 Coffee break

11:15 - 13:15 Practical session: Preparing a production job (II)

Usage of ArtPro+ and Equinox
Image editing for Flexography in Adobe Photoshop
Minimum dot setting
Converting images from a source profile to ECG with Equinox

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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