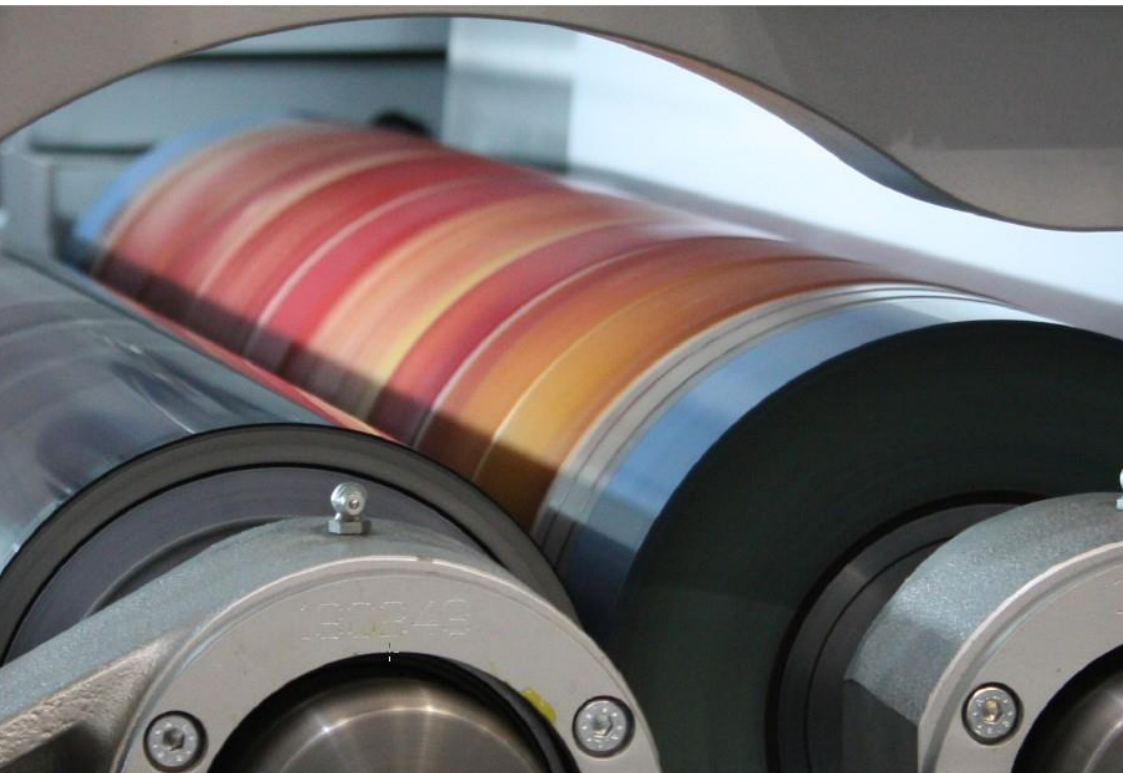




# Advanced Flexographic Printing

From 23<sup>rd</sup> to 26<sup>th</sup>  
February 2015

Do you want to improve your flexo printing productivity?  
Do you want to improve your flexo printing quality?



## AIMS

Be confident with the press operation by being exposed to the hands-on experience in our premises with a problem solving focus (troubleshooting). Improve the efficiency of the press and optimize the performance. Interaction with other printers by sharing professional experiences.

## ATTENDANTS

Press operators and professionals responsible for the printing process who would like to understand, learn, become skilled and gain insights in flexography.

Language: English

## ENROLMENT

From 23rd to 26th February 2015  
TECHNOLOGICAL CENTER MANEL XIFRA BOADA  
Program fee: 2.200 Euro (\*)

Payment of the full amount is due prior to the start of the program.

For registration please send an email to Mrs.Peggy van Vlijmen:  
[peggy.vanvlijmen@comexigroup.com](mailto:peggy.vanvlijmen@comexigroup.com)

(\*) Fee includes Hotel accommodation from Sunday 22th to Thursday 26th (Thursday night not included), local transports, class materials and lunch and dinner each day.

 **CTec Manel Xifra Boada**  
Technological Center of Flexible Packaging  
COMEXI GROUP

 **COMEXI GROUP**

# Advanced Flexographic printing sessions Program

## Monday 23<sup>rd</sup>

- 09:00 – 09:15 Welcome and course presentation  
09:15 – 10:00 Comexi facilities tour  
10:00 – 13:00 Machine key elements: mechanical and electronics
- Machine key elements
  - Transmission system
  - Tension control
  - Automatic adjustment systems
  - Peripherals printing machines
- 13:00 – 14:30 **LUNCH**  
14:30 – 16:00 Workshop practicum. Reviewing key elements  
16:00 – 17:30 Anilox, plate cylinder sleeves and adhesives
- Current options and trends

## Tuesday 24<sup>th</sup>

- 09:00 – 11:00 Prepress
- New Flexo prepress technologies
  - High definition Flexo solutions (characteristics and differences)
  - New screen plate systems
  - Converting Rotogravure jobs to Flexo.
  - Non-stop printing solutions. Multicolor
- 11:00 – 13:00 Technical process development: color management
- Determining key parameters of the printing process
  - Color management
  - Standardization test process (fingerprint)
  - Calibration and characterization of devices
- 13:00 – 14:30 **LUNCH**  
14:30 – 16:00 Workshop practicum. Color management.  
16:00 – 17:00 Printing a job originally done in rotogravure.

## Wednesday 25<sup>th</sup>

- 09:00 – 11:00 Ink transfer and inking system
- Ink transfer systems. Current system and future orientation
  - Automatic viscosity control
  - Temperature control
  - Closed chamber
  - Pressure regulation system
  - Optimal work conditions for closed chamber. Blade types
  - The already present closed chamber of the future
  - Pumps
- 11:00 – 13:30 Inks: Solvent base and water base
- Formulation base. Components of Flexographic ink
  - Characteristics of inks. Influence of components
  - Control parameters
  - Solvent inks. Trends
  - Packaging and contact with food
  - Practical comments: how to use water-based inks
- 13:30 – 15:00 **LUNCH**  
15:00 – 16:00 Practical exercise: Optimal work conditions for closed chamber and checking inking equipment.  
16:00 – 17:00 Flexible packaging materials

## Thursday 26<sup>th</sup>

- 09:00 – 11:00 Productivity strategy
- Developing a strategy aimed at performance
- 11:00 – 13:00 Sequence of ideal changes for quick changeover. Demo
- Planning changes
- 13:00 – 14:30 **LUNCH**  
14:30 – 16:30 Flexographic printing trends  
16:30 – 17:00 Round table
- Problems/solutions
  - Queries and questions from attendees
- 17:00 – 17:30 **CLOSING**  
Course evaluation and delivering the certificates of attendance