

Advanced Flexographic Printing



Training Schedule 5.0

Winter 2012 23th -26th January. Girona - España

COMEXI GROUP TECHNICUM CENTER



Monday 23th January 2012

09:00 - 09:15 **Welcome**

09:15 - 09:45 **Comexi facilities tour**

09:45 - 10:00 **Program presentation**

10:00 - 13:30 **Electronical Engineering**

- Key elements of Electronical Engineering
- Transmission System
- Tension Control
- Automatic adjustment systems
- Maintenance system

13:30 - 15:00 **LUNCH**

15:00 - 18:00 **Maintenace needed on press parts**

- Drying System
- Deck mechanism set
- Parallelism of AX/PC journals versus the Central Drum
- Zero point of PC journals
- Tension control
- Rollers: Maintenance and working conditions
- Drive conditions of journals: sleeves and anilox
- Bearings of journals at Motor and Operator side
- External tolerances of sleeves and journals
- External tolerances of central drum

18:00 **SUMMARY COMMENTS AND END OF FIRST DAY**

Tuesday 24th January 2012

09:00 - 10:15 **Mechanical Engineering: Ink Transmission**

- Ink transmission system
- Automatic viscometer: new options
- Ink temperature control

10:15 - 11:45 **Mechanical Engineering: Inking System**

- Closed doctor blade chamber
- Evolution of the inking system
- Regulation system for pressures and adjustments

11:45 - 13:30 **Mechanical Engineering:Optimal Conditions of the inking system**

- Optimal working conditions of the closed doctor blade chamber
- Blades options and recommendations
- Trends of the future doctor blade chamber

13:30 - 15:00 **LUNCH**

15:00 - 18:00 **Inks**

- Formulation basis
- Composition of Flexographical inks
- Ink Properties. Influence of individual components
- Control Parameters
- Resistances. Especial Inks
- Food Packaging inks

18:00 **SUMMARY COMMENTS AND END OF SECOND DAY**

Wednesday 25th January 2012

09:00 - 11:30 **Technical Process Development: Color**

- Key parameters of printing control
- Calibration and definition of prepress devices
- Fingerprint test

11:45 - 13:00 **Production cycle. Integration and prepress automatization**

- Production processes
- Current disadvantages
- Integration solutions

13:00 - 15:00 **LUNCH**

15:00 - 16:15 **Productivity strategies**

- Development of a strategy aimed at improving

16:15 - 18:00 **Sequence for a quick changeover. Practical demonstration**

- Changeover planification

18:00 **SUMMARY COMMENTS AND END OF THIRD DAY**

Thursday 26th January 2012

9:00 - 12:00 **Prepress**

- New technologies of Flexo prepress
- Flexo High Definition Solutions (characteristics and differences)
- New systems of plate screening
- Conversion of rotogravure jobs to Flexo. Prepress Highlights
- Solutions for continuous printing

12:00 - 13:00 **Printing run of an original rotogravure job**

13:00 - 15:00 **LUNCH**

15:00 - 16:00 **Printing run of an original rotogravure job**

16:00 - 17:30 **Discussion:**

- Minimization of changeovers in the planning
- Future market trends
- Doubts and questions

17:30 - 18:00 **Evaluation of the course presentation of certificates to attendants**

18:00 **CLOSING**