

## Driving force of knowledge in flexible packaging

### AIMS

To prepare and implement an efficient maintenance program.  
To learn about the main, important points in flexographic printing press maintenance, and additionally in laminating and slitting machines.  
To know the main maintenance points to be carried out autonomously by the maintenance team.  
Elements for assessing the efficiency of the maintenance program.

### ATTENDANTS

Addressed to: Trained or Experienced Operators, Heads of Maintenance and Section Heads.

Language: English

### ENROLMENT

Complete program fee: **2300 Eur (\*)**  
3 days course, Flexographic printing presses.  
Optionally 1 day more, Laminating and slitting machines.

Full payment must be made before the workshop starts.  
For registration, please send an email to Mrs. Peggy van Vlijmen:  
[peggy.vanvlijmen@comexi.com](mailto:peggy.vanvlijmen@comexi.com)

(\*) Price includes accommodation, local transport, teaching material, lunch and dinner each day.  
Only course days.

## Practical Maintenance Course



**22nd to 25th January 2019**

**"The basis for efficient production is an optimum machine maintenance. If there's no maintenance, there's no production."**

# Practical Maintenance Course

## Program

### Tuesday 22<sup>nd</sup>

- 09:00 - 09:15 Course presentation.
- 09:15 - 10:00 Comexi facilities tour.
- 10:00 - 10:30 Maintenance management: recommendations and implementation (T)
- 10:30 - 10:45 **Coffee Break**
- 10:45 - 13:00 Key elements of the flexo machine: mechanical and electrical. (T)
- 13:00 - 14:30 **Lunch**
- 14:30 - 15:45 Tension control, dancer roller adjustments and load cells. (P)
- 15:45 - 17:30 Central drum: cooling liquid, pressure maintenance. Printer unit positioning, "0" rest position and "offset" printing. (P)

### Wednesday 23<sup>rd</sup>

- 09:00 - 10:00 Inking system. (T)
- 10:00 - 11:00 Preparing, levelling and adjusting blades. (P)
- 11:00 - 11:15 **Coffee Break**
- 11:15 - 12:00 Pump maintenance. (T)
- 12:00 - 13:15 Pump maintenance. (P)
- 13:15 - 14:30 **Lunch**
- 14:30 - 15:30 Drying system. (T)
- 15:30 - 17:30 Drying system: boxes and tunnel. Filter revision. Air compensation adjustment. LEL Calibration. (P)

### Thursday 24<sup>th</sup>

- 09:00 - 10:00 Electronic Engineering. (T)
- 10:00 - 10:15 **Coffee Break**
- 10:15 - 11:45 Interpreting electrical hook-up diagrams and identifying components. Machine communication. (P)

- 11:45 - 13:30 Key elements: greasing points and belt tension. PC coupling adjustment, replacing PC core registration pins, changing guide, roller bearings. (P)
- 13:15 - 14:30 **Lunch.**
- 14:30 - 17:30 Main maintenance and adjustment factors in: Unwinder and Rewinder. (P)

### Friday 25<sup>th</sup>

#### LAMINATING MACHINE

- 09:00 - 09:30 Main laminating machine maintenance factors: Mechanical and Electrical. (T)
- 09:30 - 10:30 Interpreting electrical hook-up diagrams and identifying components. Machine communication. (P)
- 10:30 - 10:45 **Coffee Break**
- 10:45 - 11:00 "Mixer" mixing equipment.(T/P)
- 11:00 - 13:00 Reviewing condition of rollers. Thermoregulators. Water circuits and filters. Cleaning and critical points. (P)
- 13:00 - 14:30 **Lunch**

#### SLITTING MACHINE

- 14:30 - 15:15 Main maintenance factors in slitting machines. Mechanical and Electrical. (T)
- 15:15 - 15:45 Interpreting electrical hook-up diagrams.
- 15:45 - 17:00 Gauging and parallelisms. Blade conservation. Adjustments. Shafts; felt and valves. Changing ball rings and lubrication. Greasing movable parts. Rollers levels and aligning. Tension control in web path. Reel diameter calibration. Checking roller coating status. Machine communication. (P)
- 17:00 - 17:30 **Closing**

(T) Theoretical Session (P) Practical Session