

# Practical Maintenance Course

**“The basis for efficient production is an optimum machine maintenance. If there is no maintenance, there is no production.”**

This four-day course includes maintenance content for flexographic printing machine, laminating, and slitting machine maintenance that allows the responsible for maintenance to perform machine maintenance effectively.

Key benefits:

- ✓ Prepare and implement an efficient maintenance program.
- ✓ Know the main relevant points of preventive maintenance of flexographic printing, laminating and slitting machines.
- ✓ Know the main maintenance actions to be carried out autonomously by the maintenance team.
- ✓ Share professional experiences and interaction with other responsible for the process.

Addressed to experienced maintenance technicians, heads of maintenance and section heads.



**26-29  
November 2024**

**28 training  
hours**

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**Accredited  
diploma by  
Fundació  
Universitat de  
Girona**

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**English  
language**

**Presential  
training**

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# Program |

## // Tuesday 26

- 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 - 17:00 Central drum: cooling liquid, pressure maintenance. Printer unit positioning, "0" rest position and "offset" printing. (P)

## // Wednesday 27

- 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 - 17:00 Drying system: boxes and tunnel. Filter revision. Air compensation adjustment. LEL Calibration. (P)

## // Thursday 28

- 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 - 17:00 Main maintenance and adjustments in: Unwinder and Rewinder. (P)

## // Friday 29

- 09:00 - 09:30 Main **laminating machine** maintenance factors. (T)
- 09:30 - 10:30 Critical electronic components for the laminator and diagnostic tools. (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 - 14:00	Lunch
14:00 - 14:45	Main maintenance factors in <b>slitting machines</b> . (T)
14:45 - 15:15	Critical electronic components for the slitter and diagnostic tools
15:15 - 16:50	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)
16:50 - 17:00	Closing

T – Theory | P – Practical

## Registration |

Registration fee: **2.450 Euro\***  
Limited seats.

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

If you would attend only part of the course (first three days or last day), please ask for details at [comexitect@comexi.com](mailto:comexitect@comexi.com).

Full payment must be made before the workshop starts, by bank transfer or VISA. Once the registration will be done, we will send you the information for the payment.

At the end of the course, the student will obtain a diploma accredited as a specialization course of the University of Girona Fundation.

Registration form



The information in this brochure is subject to modifications.

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