

Technician-Training:

# Mechatronics Rapida

With this seminar, we offer a combination of mechanical and electrical training. Good technicians can then handle simple maintenance and service tasks on both mechanical and electrical components, even if they have not received formal mechatronics training.

## Description

It is increasingly the case that maintenance personnel are required to possess both fundamental mechanical skills and extensive electrical knowledge. This can be considered all the more important for Rapida users, as both fields are very closely intertwined in our highly complex presses.

This seminar is tailored precisely to such needs. Fundamental mechanical knowledge is combined with basic electrical concepts, enabling the learning content to be conveyed in a suitably balanced form which is readily understandable to participants from all backgrounds.

All main components are explained and demonstrated to illustrate both their mechanical and electrical design and functions. The subsequent practical exercises serve to consolidate the initial insights and the participants learn to assess situations on the press from new technical perspectives. All training seminars are based on the latest Koenig & Bauer press technology.

## Objectives

The participants acquire fundamental knowledge of the mechanical and electrical components of a Rapida press and are able to understand their interactions. They are familiarised with the installation locations and function principles of individual parts and can perform necessary setting and maintenance tasks on the components independently.

## Prerequisites

Participants should have completed training as a mechanical/electrical/electronics/mechatronics technician or else gathered at least 5 years of corresponding work experience.

## Excerpt from the content

### Overview

- Electrical documentation of the press
- Maintenance manual

### Control Cabinet & Control console

- Functions, safety notes
- Console operating concept, including maintenance notifications

### Networks

- Types, structure, functions

### Sensors

- Sensors throughout the whole press, purposes and function principles, installation locations

### Sheet transport

- Timing of motions from sheet separation to the infeed
- Infeed components, pneumatic and electronic (SIS)
- Printing unit substructure, impression cylinder and transfer drum, including grippers
- Printing unit tower, plate and blanket cylinders, clamping, ink key settings
- Lateral and circumferential register
- Delivery concept

### Pneumatic systems

- Valve blocks, function principle of low pressure air systems

## Training methods

- Interactive face-to-face training with editable digital training documents.
- Practical exercises on individual components and training presses.
- Direct presentation without translation in German, English and Spanish. Further languages subject to prior agreement.

## Important notes

- 5-day seminar
- Minimum participants: 3
- Daily training from 08:30 - 16:00 (possibly earlier on days of departure)
- The sequence of the single topics may vary.
- The training costs include refreshments during the training and lunch in our company restaurant.
- We will be happy to send you recommendations for hotels that can be booked at our discounted Koenig & Bauer corporate rates.
- We kindly ask for bringing safety shoes when attending training and recommend standard work clothes.

we're on it.

**Contact for this training course:**

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For further information contact our website:

[www.koenig-bauer.com](http://www.koenig-bauer.com)