

Technician-Training:

## Electrics Rapida

On a highly complex machine like a Rapida printing press, sophisticated sensor and control systems are indispensable to ensure production at a constantly high quality level. In this seminar, we help customer maintenance technicians to build up comprehensive knowledge of the electrical concept of our Rapida, so that they can analyse any issues which may arise on site as quickly as possible, and can take the necessary measures to rectify or avoid the problems concerned.

### Description

When your staff are able to expand their skills and know-how, they gain an even better understanding of the functioning of your printing press and can help to realise its full potential. The training provided by our qualified experts at Koenig & Bauer Campus Radebeul supports you in your striving to draw the maximum benefit from all production equipment.

This seminar conveys important basic information on the electrical functioning of a Rapida press, including all installed controller modules and sensors. The individual electrical components are explained in detail and demonstrated practically. In subsequent practical exercises, the newly acquired knowledge can be applied to the press, and the most important error messages can be analysed and rectified.

All training seminars are based on the latest Koenig & Bauer press technology.

### Objectives

The participants acquire fundamental knowledge of the individual modules and control components on the press. They are familiarised with the user interface (console) and its interaction with the various press functions, and are subsequently in a position to analyse the causes of electrical errors and to rectify minor disturbances independently.

### Prerequisites

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

### Excerpt from the content

#### Documentation

- Introduction to the electrical documentation, structure of circuit diagrams, console back-up, searching for components and assignments

#### Networks

- Ethernet ABB-EC583-ETH / CS31 troubleshooting
- Installation locations, functions, modules
- Cat I/O

#### Components

- Design, replacement and zeroing of ink keys
- DataMatrix
- Infeed, double-sheet detectors
- EPI: Design, function principle, settings, calibration
- SIS: Design, sensor replacement
- SPC: Design, functions and sensors
- Feeder: Sensors and drives
- Overview printing unit
- Delivery sensors
- Overview main drive

#### Brief overview of press operation

- Operating elements

### 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)