# Technician training: Basics of electrical service 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 on 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.

# Some of the topics covered

**Documentation**
- Introduction to the electrical documen-tation, structure of circuit diagrams, console back-up, searching for components and assignments

**Networks**
- ARCnet/Ethernet/LVDS/CS31/ModBus
- Installation locations, functions, modules
- @ctive I/O

**Components**
- Design, replacement and zeroing of ink keys
- PlateIdent: Design and functions
- Infeed, double-sheet detectors
- EPI: Design, function principle, settings, calibration

**Sensors**
- SIS: Design, sensor replacement and timing angles
- SPC: Design, functions and sensors
- Feeder: Sensors and drives
- Printing unit sensors
- Delivery sensors

**Brief overview of press operation**
- Format adjustment
- Pile motions
- Sheet travel
- 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 lan-guages subject to prior agreement.

**Important notes**
- 5-day seminar
- Minimum participants: 3
- Daily seminar times are from 8:30 a.m. to 4:00 p.m. (possibly earlier on the day of departure).
- The seminar costs include refreshments during the seminar, lunch in our staff canteen and transfers to/from Dresden Airport or Dresden railway station.
- Upon request and depending on the selected hotel, a free shuttle can also be organised for the daily transfer to/from the campus.
- The order in which topics are discussed may vary.
- We ask all seminar participants to bring their own standard work clothes and safety shoes when attending training.

**Contact for appointments**
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