

# Technician training: Electrical concept MetalStar

The MetalStar uses, the same electrical concept as our proven Rapida technology. This seminar has been developed accordingly. All electrical components and functions are explained in detail and demonstrated in practice, with appropriate attention being drawn to relevant differences between a Rapida and the metal decorating press. This basic knowledge can then be expanded to cover MetalStar-specific aspects on the user's own press.

## **Description**

This seminar conveys important basic information on the electrical functioning of a MetalStar press, including all installed controller modules and sensors. The individual electrical components are explained in detail and demonstrated practically. Simple maintenance and repair tasks are not only shown, but also practised independently by the participants. At the same time, valuable tips are given regarding the response to production disturbances and error messages. In a workshop atmosphere, the participants learn to analyse and rectify such errors themselves.

This training is based on the latest Rapida press technology from Koenig & Bauer. The fundamental electrical knowledge conveyed during the seminar can then be supplemented with MetalStar-specific information during further learning on site at the metal decorating press.

## **Objectives**

The participants acquire knowledge of the electrical modules and control components on the press and are familiarised with the user interface (console) and its interaction with the various press functions. Upon successful completion, they are in a position to perform simple setting and maintenance tasks independently and can analyse electrical faults.

## **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 documentation

## Control cabinet

- Layout, power supply, Mentor MP, practical exercises

## Console

- Computer concept, programs, back-up, ARCnet, Ethernet

## Control modules

- System design, networks, bus concepts, troubleshooting

## Feeder

- Design, sensors and function principles, motor settings, practical exercises, pile calibration

## Infeed

- Sheet sensors, motor settings, sidelay-free infeed (SIS), @ctive I/O and press encoders

## Printing unit

- Electrical components, plate changing, motor settings, practical exercises

The training is conducted on the components of a Rapida. Instruction relating to MetalStar-specific components is provided directly on site after installation of the press.

## Training methods

- Face-to-face training with comprehensive training documents which can also be made available in digital form at the end of the training upon request.
- Practical explanation and hands-on experience at a Rapida press. All components identical to those of a MetalStar are addressed thoroughly, and attention is drawn to differences between the two press types where appropriate.
- Direct presentation without translation in German, English and Spanish. Further languages 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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