

Technician training: Mechanical concept MetalStar

Proper and comprehensive technical maintenance is imperative to guarantee the maximum availability of a highly complex machine like a MetalStar press. This seminar trains general operation of the new MetalStar on comparable Rapida models, conveying fundamental knowledge which can then be supplemented with function details specific to metal decorating during user training on site at the customer's premises

Description

This seminar conveys not only important information on the mechanical functioning of a MetalStar press, but also enables the practising of methods and routines for optimum maintenance of the individual press components and sections by way of practical exercises.

All MetalStar components which are identical to those of a Rapida press are presented in detail and their functions are explained through practical demonstration. In addition, the procedures to remove and replace wearing parts are shown, and important tips are given on the checking and optimum adjustment of key mechanical components.

This training is based on the latest Rapida press technology from Koenig & Bauer. Additional information relating to MetalStar-specific components is provided by our service personnel on site at the metal decorating press.

Objectives

The participants acquire extensive fundamental knowledge of the mechanical design and functions of the press. They are familiarised with the maintenance instructions and are subsequently able to perform important maintenance tasks and minor repairs independently.

Prerequisites

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

Some of the topics covered

Feeder

- Timing of feeder/feeder head motions, suction-belt feed table, pile side edge control, front-edge height sensing, format adjustment

Infeed

- Timing of infeed motions, swing arm, front lays, side alignment, format adjustment, feed drum grippers

Printing unit substructure

- Impression cylinder, transfer drum, sheet guiding, lubrication

Printing unit tower

- Plate cylinder, blanket cylinder, impression setting, bearer pressure, roller layout, oscillation drive, inking unit temperature control

Dampening unit

- Dampening roller arrangement, bearings, drive

Coater

- Coating forme cylinder, bearings, plate clamps, register, impression setting, anilox roller, chamber blade system, lubrication

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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