

Technician training: Basics of mechanical service, Rapida

The enormous demands to be met by modern print production in terms of quality, speed and efficiency also represent a significant challenge for all mechanical components of a sheetfed offset press. All assemblies and components must be perfectly adjusted to satisfy these demands and require continuous maintenance to ensure optimum functioning at all times. In this seminar, we convey the necessary information and skills for these tasks.

Description

Modern sheetfed offset printing presses are high-tech engineering products and require regular maintenance and care to guarantee the expected production availability.

This seminar conveys important basic information on the mechanical functioning of a Rapida press – from the main drive, via the feeder, infeed and printing units to the delivery. You are acquainted with the various subassemblies and their individual components and learn important procedures and methods for mechanical maintenance and service. You are then in a position to perform simple service tasks independently.

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

Objectives

The participants acquire fundamental knowledge relating to the overall design and functions of the applicable Rapida press. They are familiarised with the maintenance instructions and are able to perform arising maintenance tasks and minor repairs independently.

Prerequisites

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

Some of the topics covered

General

- Bolted joints/tightening torques, lubricants, maintenance instructions

Feeder

- Synchronisation between feeder and press, including referencing
- Timing of feeder/feeder head motions, mechanical positions of main and auxiliary piles

Infeed

- Timing of infeed motions
- Side lays, sensor plate, sheet driving elements, function and maintenance of SIS
- Design of swing arm, feed drum bearings, gripper system

Main drive

- Design and function, maintenance tasks

Printing unit substructure

- Impression cylinder and transfer drum bearings
- Design and adjustment of gripper systems, overview of sheet guiding

Printing unit tower

- Plate and blanket cylinder bearings, automatic plate changer
- Inking unit and washing systems

Delivery

- Delivery shaft bearings, chain guiding
- Gripper systems and sheet brake
- Format adjustments, main pile, non-stop system

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 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

janine.koch@koenig-bauer.com