KOENIG & BAUER
Academy Campus Radebeul

Operator Training:

First Steps in UV Printing

UV printing stands for exceptional colour brilliance and high gloss values, while at the same time supporting faster further processing of the printed sheet. It is therefore no surprise that more and more printing companies are turning to this technology for the efficient finishing of their products. But what must be taken into account to enable optimum use of the possibilities offered by UV printing? Our seminar answers this and many other questions which occupy all those who are planning to venture into the world of UV printing.

Description
Modern UV technologies embrace a very wide range of applications in inline and online finishing, characterised not least by the broad spectrum of substrates used. The sealing and high-gloss functionalities of UV inks and coatings enable a diversity of effects to be realised.
UV printing today refers not only to the classic process, but also to HR- and LED-UV. Here, in particular, Koenig & Bauer takes the lead on the market with regard to technology, application efficiency and productivity benefits.
This seminar explains not only the general principles of UV printing, but also the benefits, possibilities and limitations of the individual application technologies. Pertinent information is provided on the use of different anilox rollers and coatings, and various UV applications, coating combinations, etc. can be tested in practical exercises. At the same time, attention is drawn to important points regarding the handling of UV inks, coatings and solvents, and valuable practical tips are exchanged.

Objectives
The participants acquire an extensive knowledge of UV applications, enabling effective implementation of the possibilities in daily practice at their own company. They are familiarised with the function principles of UV dryers, their emission spectrums and the purposes of different UV lamps. After the seminar, they are not only able to work confidently with UV inks and coatings, but also know which production parameters must be checked in case of difficulties and where optimisation is possible to guarantee flawless print quality in a UV process.

Prerequisites
Participants are not expected to have gathered prior experience in UV printing, but should be experienced printers and familiar with operation of the latest Rapida press generation.

we're on it.

Excerpt from the content

Introduction to UV sheetfed offset printing
- Fundamentals of UV printing
- Demands placed on inks/coatings/consumables
- Dryer functionalities
- Benefits and limitations of UV printing, safety notes

Dryer technology
- Drying systems
- Cooling systems, control
- Dryer maintenance

Finishing possibilities
- Exploration of possibilities for finishing in a UV process, particularly with UV coatings Practical implementation: Finishing with coating combinations and different anilox rollers

Exercises
- Practical implementation on the press, including washing processes

Further applications
- Comparison and individual benefits of different UV applications (classic, HR, LED)

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.
- Seminar with workshop character, adapted individually to the specific UV systems used by the customer.
- Direct presentation without translation in German, English and Spanish. Further languages subject to prior agreement.

Important notes
- 2-days 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 would 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.

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For further information contact our website:
www.koenig-bauer.com