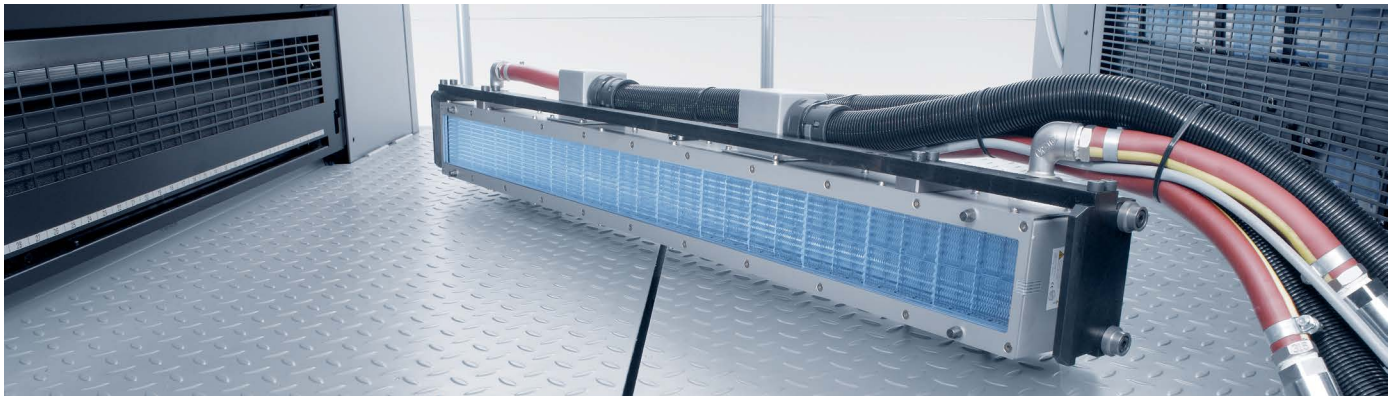
Print Media Center Americas.
Understanding UV.



Speedmaster® XL 106 UV.

Overview

UV is one of the most important technologies used in offset printing today. Learn the various types of UV ink, how they differentiate from each other, and how they differ from conventional ink. This course will also cover UV coatings, special effects – including drip-off, and cost differences of each technology.

Introduction

The objectives of the class are to gain knowledge in the basics of UV printing and how to work with components and consumables in a safe and productive manner.

Topics

- The Science of UV
  - UV curing basics
  - Components of UV inks and coatings
  - Curing process of UV systems
  - General Tips – UV curing

- Working with UV
  - Safe handling
  - Ozone
  - UV radiation
  - Solvents
  - Ink mist
- Consumables
  - Conventional/UV/LE-UV/LED UV ink
  - Coating
  - Drip off/special effects
  - Roller and blankets
  - Solvents
- Troubleshooting/Drying Tests
  - Curing
  - Thumb wipe test
  - Tesa test
  - Acetone/IPA test

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