MODULAR WORKFLOW SOLUTIONS FOR DIGITAL (PRE) PRINT FOR CORRUGATORS

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PRE-PRINT FOR CORRUGATOR OPERATIONS

Corrugator

Analog Press

Digital Press
Digital (pre) print has the capability to **print short runs in a highly efficient way**.

In order to increase the efficiency, **multiple different print jobs can be combined** on a single roll.

Jobs may be placed **subsequently after the another or next to each other**.

The corrugator **scheduling and process control** need to adapt to the **multi lane / multi job** print schedule.

Processes require additional **control systems** in order to be able to **benefit from advantages of digital print**.
### Analog Pre-Print
- One design per roll (cliché)
- Flexo or Offset quality
- Rest roll inventory management
- Order count by dry end cut sequence
- One corrugator setting per roll

### Digital Pre-Print
- Multi designs per job (Rip process)
- Inkjet quality
- Print on order (no rest roll mgmt)
- Order count by print repeat possible
- UID features
- Multi corrugator setting changes per roll
What makes digital more critical compared to analog preprint

- Distance roll stand to order cut sequence 20–30 m (60-90 ft)
- Analogue print → cut sequence identical down to roll end
- Digital print → cut sequence to change by order separator (3-5 sec.)
ARE YOU ALREADY PROCESSING DIGITAL PREPRINT?
Code 39 Design:

- 44 alpha numerical digits
- Code size approx. letter size
- One code per order
UI OR WITH UID CODE

**UID Code Design**

- Size: 50 x 50 mm
- Content e.g. 24 numerical digits (14x14 Modules)
- One code per sheet or case (unique content possible)
SmartLine Design:

- Line Blocks 5 mm thick (future 3 mm)
- Block length: 3, 6, 9, 12, 15 mm
- Content 20 numerical digits
- One code per corr sheet (unique content possible)
Fig. 1: Frame with web path
Fig. 2: Paper roll with SmartLine
Fig. 3: Push button box and digital roll
SuperCorrExpo® - Virtual What’s New

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