

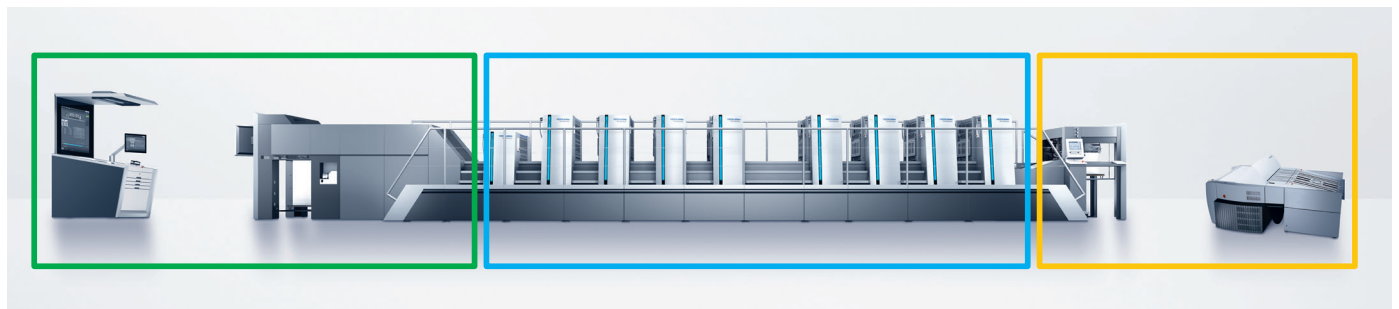
Choose HEIDELBERG –  
**Your partner for reliable  
security printing.**

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# Configurations and features – as individual as your customers requirements.

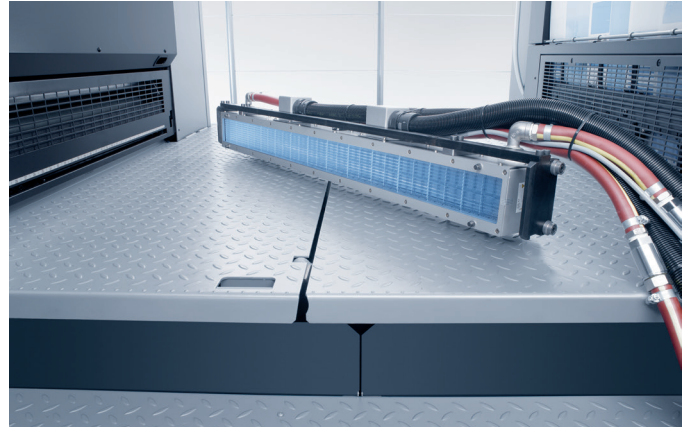
HEIDELBERG offers a wide range of printing presses especially equipped for security printing. Print jobs like ID- and credit-cards, certificates, passports, bank notes, etc. can be produced easily. Your printing press can be perfectly tailored for your needs – diverse equipment features like rainbow ink fountain, e. g. on 4 printing units, further units prepared, UV-equipment as well as special undercut for letterset and plate cylinder cooling for waterless printing are available.



- **Dryer systems**  
for conventional, UV and LED printing and coating in the extended delivery
- **Waste deflection system**  
fully automated in the delivery
- **UV-fluorescence ink 365 nm and ambient light protection**  
at the Prinect Press Center for perfect quality control of invisible inks
- **Rainbow ink fountain**  
modular system, all printing units can be prepared
- **Numerous adaptations for rainbow printing**  
ink mist extraction, UV/hybrid rollers, two washing solvent circuits, LED or conventional UV interdeck-dryers
- **Waterless printing**  
temperature control and plate cylinder cooling device in all units for waterless printing
- **Letterset**  
special undercut for the use of letterset plates
- **Prinect Inspection Control 4**  
checks every sheet inline with high-resolution color cameras for errors, PDF comparison as option
- **Antistatic equipment for foil**  
special antistatic elements in the feeder, printing units and the delivery
- **CodeStar**  
inkjet system for sheet personalization like QR-codes
- **Pre-run sheet sensor**  
differentiates between colored sheets and production sheets
- **Suction brush system**  
significantly fewer washup procedures, due to preliminary cleaning of the sheet in the first printing unit
- **Suprasetter A106**  
special plate setter with 5080 dpi for security printing

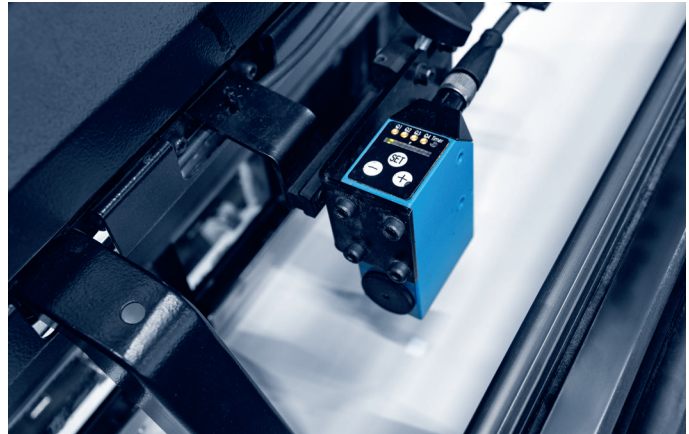


**Rainbow ink fountain** – for printing rainbow effects with controlled mixture of two or more colors. Very good color stability for short and high runs can be achieved with this modular rainbow ink fountain system. One or more units can be equipped with the “sit on top” function, which stands for fast change-over and easy handling, each unit can be prepared. This rainbow ink fountain is available for Speedmaster XL 75 with 36 ink zones and max. 20 splitters, as well for the Speedmaster XL 106 with 51 ink zones and max. 28 splitters. A production without rainbow ink fountain is possible in all prepared units.

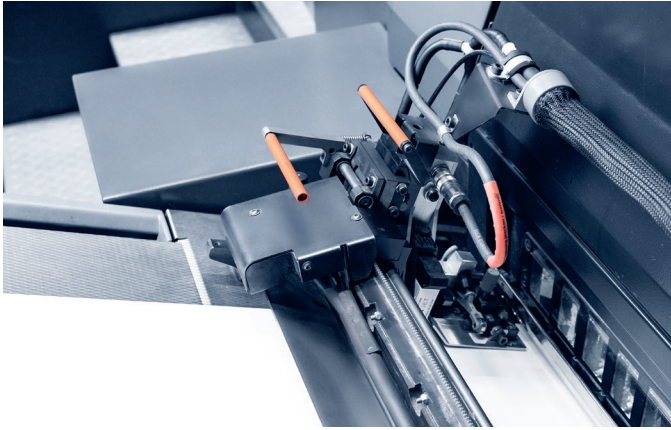


**Dryer systems** – individually tailored to your press, developed and designed by HEIDELBERG.

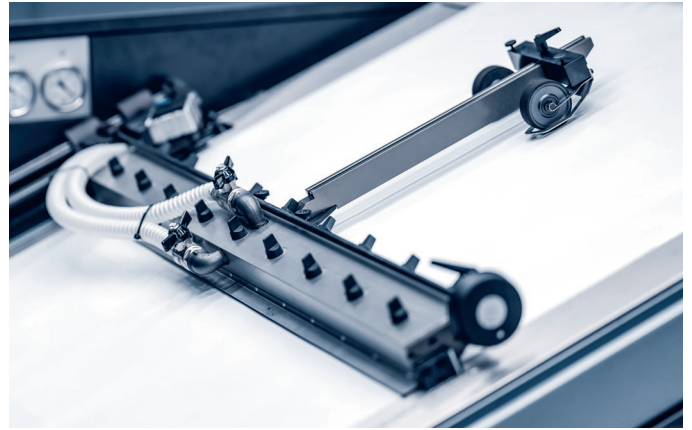
Our high-end drying systems for conventional, UV and LED ink printing achieve outstanding drying results for security printing.



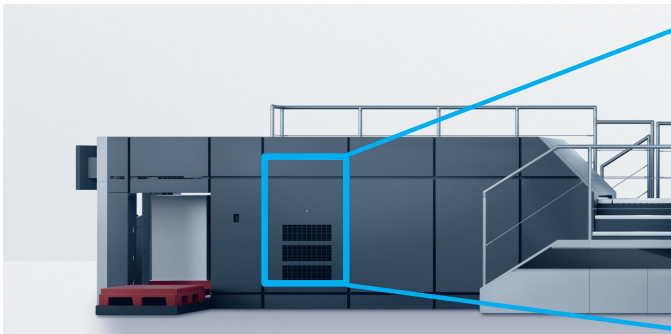
**Pre-run sheet sensor** – differentiates between colored sheets and production sheets. The function is linked to the different sheet counters. Particularly important with expensive stocks and demanding applications.



**CodeStar** – inkjet system at the feeder (single-head system). Thermal inkjet printing technology with up to 150 dpi for serialization of print sheets at the feeder. The sheets are imprinted with consecutive numbers during sheet infeed. Due to the integration in the press control system, the system detects the start of production and automatically compensates for the press speed. The system is operated at the Prinect Press Center and at the feeder display. The imprinted number is transmitted to the Prinect Production Manager via the Prinect Press Center for logging purposes.



**Antistatic equipment for foil** – special equipment for printing on foils. Consisting of special forwarding suckers for reduced marking on delicate stock, rear edge blower with vent slots at the feed table, hold-down rod with rolls. Ultrasonic sheet travel sensors in all printing and coating units ensure perfect sheet travel. The StaticStar Advanced – antistatic unit for advanced requirements in the feeder and delivery, with additional ionizers and ion blowers is also part of this equipment package.



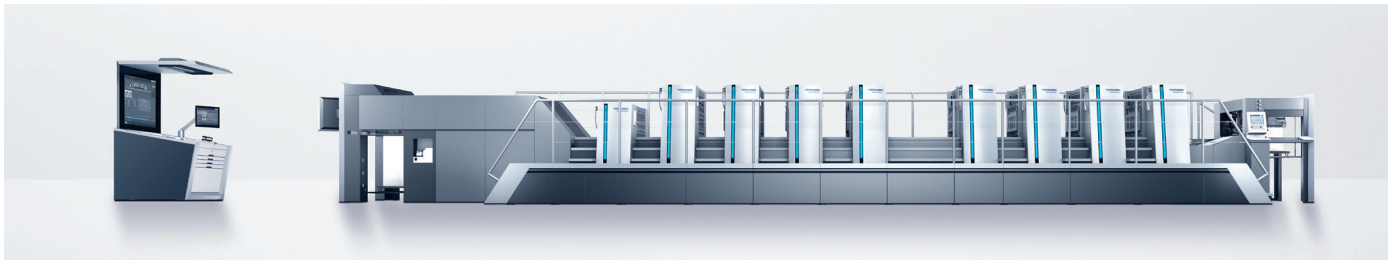
**Fully automated waste deflection system in the delivery** – prevents waste sheets from being deposited on the good sheet pile, reducing the risk of defective print goods and the resulting follow-up costs. A pile containing only good sheets also shortens process times, as there is no need for a manual disposal of waste sheets.

Comprehensive, customizable configuration of waste deflection criteria can be selected at the Prinect Press Center. The good sheet counter is automatically considered. Even at high speeds the waste sheets are deflected reliably at the waste sheet drum with direct drive. The deflected sheets are collected in an exchangeable box. To increase the collection capacity in the box, the sheets are compressed during production. A shredder function is optional available.

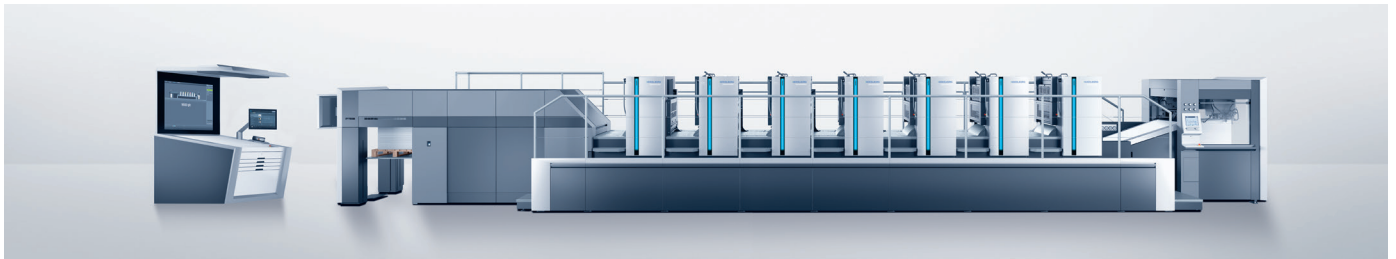
All this can be produced efficiently on the following  
HEIDELBERG printing presses:



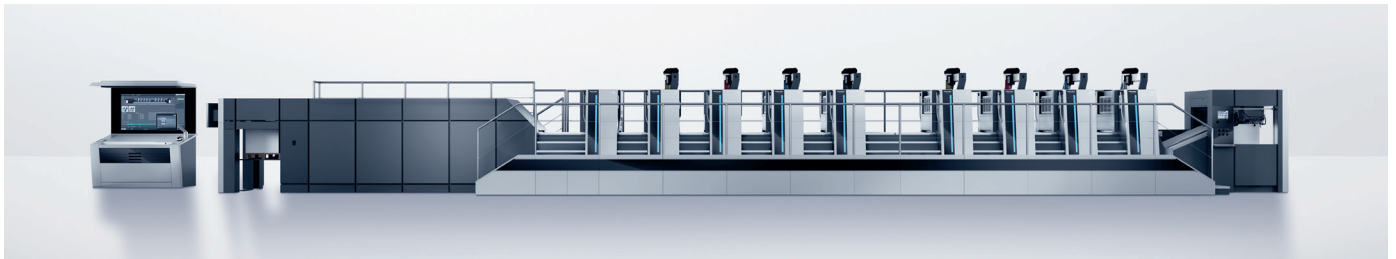
Speedmaster CX 75-6



Speedmaster XL 75-8-P+L



Speedmaster CX 104-6+L



Speedmaster XL 106-8-P+L



Further models and equipment possibilities with  
HEIDELBERG are available – Interested in more  
information:

 [heidelberg.com/security printing](https://heidelberg.com/security%20printing)

## **Publishing information**

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