



# The versatile. **Speedmaster CD 102.**



# Universally applicable. Speedmaster CD 102.

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The Speedmaster® CD 102 is the universal straight-printing press for commercial, packaging and label printing. Equipped with innovative technology, it provides flexible processing of a large variety of jobs and materials with maximum flexibility.

Its efficiency and cost effectiveness cannot fail to impress. Easy to use, with short makeready times and integration in the Prinect® workflow, the Speedmaster CD 102 achieves constantly high print quality at speeds of up to 15,000 sheets an hour.

An attractive price/performance ratio is not the only advantage of the Speedmaster CD 102. Its strengths are obvious in the production of specialized packaging in up to seven colors, for example, and in UV and coating applications.

Another plus: each Speedmaster CD 102 is backed up by the comprehensive service offering from Heidelberg®. This enables you to get the most from your machine thanks to maintenance, remote functions, perfectly coordinated consumables, and an international service and spare parts network.

Thanks to its modern equipment, its high substrate flexibility and its constant productivity, the established Speedmaster CD 102 offers you enormous added value for your print shop. Benefit from technology proven a thousand times.

# Outstanding characteristics. The facts at a glance.

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## Highlights:

- The Heidelberg User Experience at the Speedmaster with the Prinect Press Center® XL 3 sets new standards for the user experience on the press. The unique navigation tool Intellistart® 3 and the assistance systems of the new Speedmaster Operating System ensure predictable results and increased performance
- Preset Plus feeder and delivery for high substrate flexibility and precise pile formation
- Prinect Easy Control and Prinect Axis Control® color measurement systems for reliable, standardized print production
- AirTransfer system for contact-free sheet transport on an air cushion, without marks or scratches
- Alcolor® dampening unit with Vario function prevents hickeys and stabilizes the ink-water balance for optimum print quality

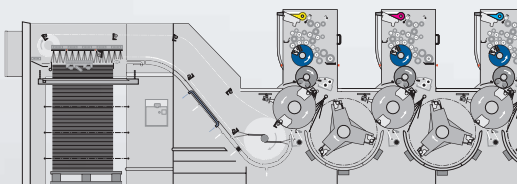
- Stable print quality at a maximum printing speed of up to 15,000 sheets an hour
- Easy accessibility for convenient operation
- High degree of automation ensures short makeready times and reduces paper waste
- Secure investment and stable value retention thanks to a tried and tested platform and pioneering innovations

➔ You can find more about technical data and facts here:  
[heidelberg.com/cd102/technical-data](https://heidelberg.com/cd102/technical-data)

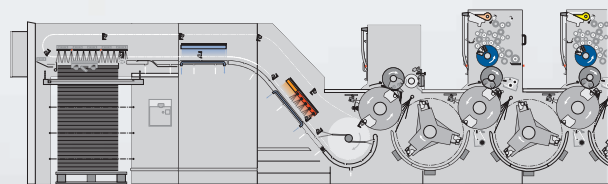
Versatile. Flexible. Efficient. The Speedmaster CD 102 sets standards in the 70 × 100 cm (27.56 × 39.37 in) format. This universal machine processes a huge variety of substrates and is suitable for the cost-effective production of high-quality commercial, packaging and label print jobs.



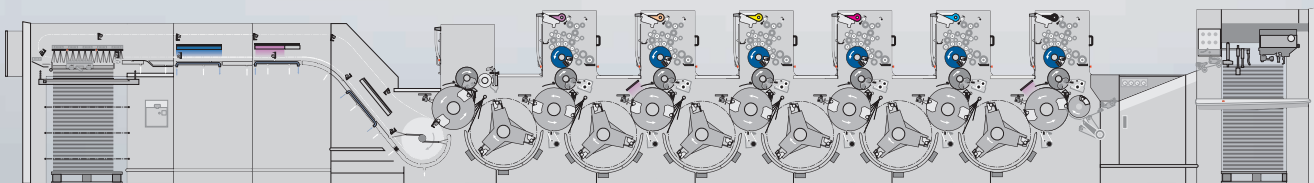
**Configuration examples:**



Speedmaster CD 102 without extension module



Speedmaster CD 102 with one extension module and DryStar Combination



Speedmaster CD 102-6+L with two extension modules, DryStar Combination and – as an example – UV system with 4 lamps



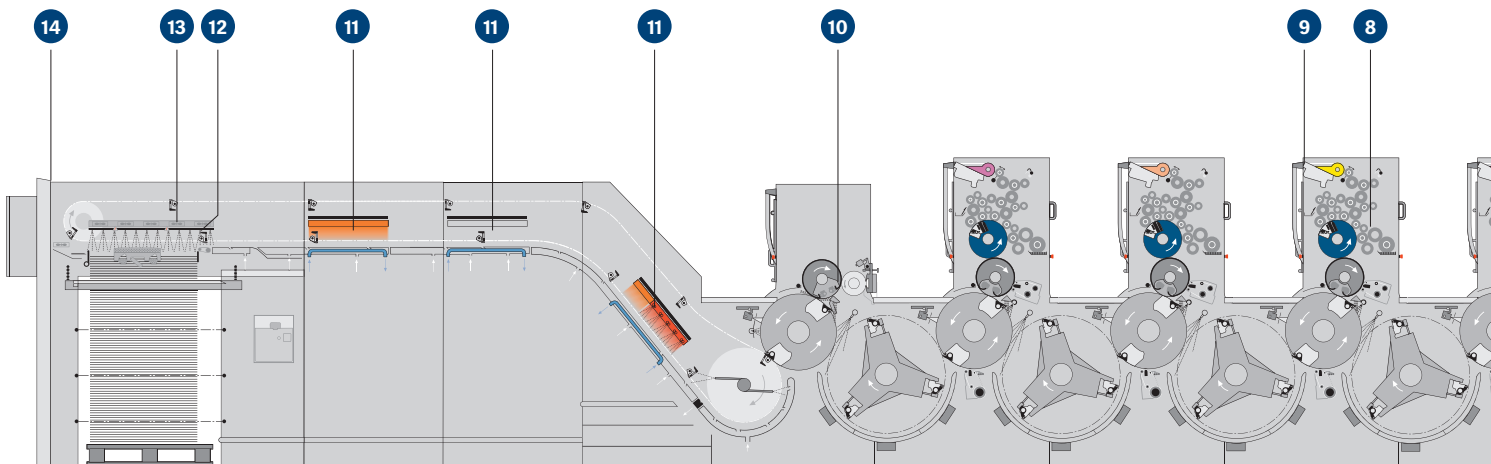
The Prinect Easy Control spectrophotometric color measurement system integrated in the control station ensures economical production with maximum color integrity.



Sheet brakes can be positioned as desired in the delivery, enabling precise pile formation without marks.



Efficient drying thanks to the combination of IR lamps and hot air in a single module.



Speedmaster CD 102-6+L with two extension modules and DryStar Combination Carton. The machine shown is a sample configuration. Some of the equipment features mentioned are optional.

### 1 Nonstop system

- The features on the feeder and delivery enable pile changes on the fly.

### 2 Feeder

- With preset air settings and material-dependent speed compensation, the Preset Plus feeder separates a huge variety of substrates with great precision.

### 3 Sheet alignment

- Precise sheet alignment is ensured by accurate, remote setting of front lays, automated sheet arrival control and sheet slowdown feature.

### 4 Monitoring

- Sheet monitoring by sensors and four self-calibrating double-sheet detectors support continuous production.

### 5 Printing unit

- Reduced maintenance thanks to cylinder surfaces with a high-quality finish, and special gripper systems. Central remote register adjustment shortens setup times.

### 6 AutoPlate

- The semi-automatic plate changer works quickly and precisely at the touch of a button, and saves valuable makeready time.

### 7 AirTransfer system

- The AirTransfer system with Venturi nozzles guarantees contact-free, stable sheet transport over the entire printed stock range of substrates 0.03 to 1 mm (0.0012 in – 0.039 in) thick.

### 8 Inking unit and film dampening system

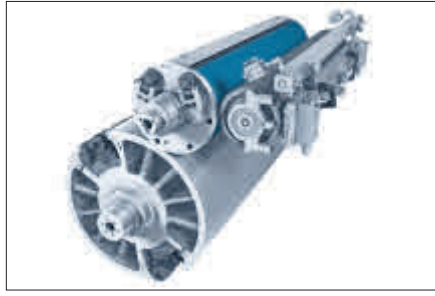
- The speed-compensated Alcolor film dampening unit with Vario function ensures a stable ink-water balance and prevents hickeys. The inking unit with high storage capacity promises stable coloring over the entire production run.

### 9 Ink fountain

- The calibration-free ink fountain with 500 increments per color zone achieves superior quality and can be cleaned quickly and easily thanks to an ink fountain liner.



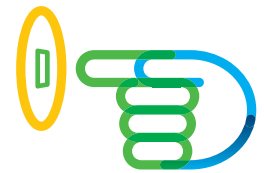
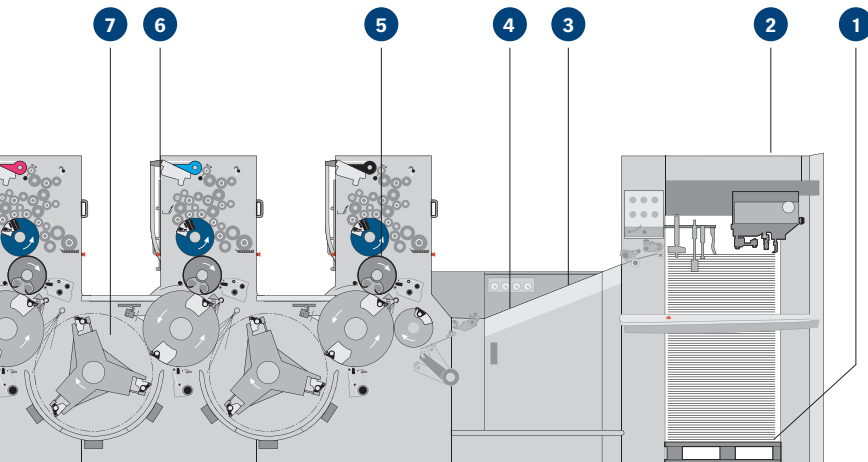
The aerodynamic gripper bar enables high speeds thanks to optimized flow conditions.



The coating unit with chamber blade system ensures a homogeneous coating application.



Super-fast ink changes thanks to ink fountain liner.



**Push to Stop.**  
The key to the  
Smart Print Shop.

### 10 Coating unit

- A chamber blade system in the coating unit ensures homogeneous coating application. Combination clamps enable rapid changes between spot and full area coating.

### 11 Dryer

- Various dryer systems are available, depending on the equipment of the Speedmaster CD 102. Short distances between dryer and sheet optimize energy consumption.

### 12 Sheet brake

- The sheet brakes can be positioned as desired, preventing marks on the sheet. They ensure rapid work-and-turn and short throughput times.

### 13 StaticStar

- Antistatic equipment minimizes electrostatic charging of sheets and ensures uniform sheet separation and stable sheet travel, even with static materials.

### 14 Delivery

- The Preset Plus delivery with intuitive navigation via touch-display and jogwheel ensures precise pile formation. It enables problem-free second print runs and postpress.

### + Prinect Press Center XL 3

- The controlstation Prinect Press Center XL 3 with the intuitive Intellistart 3 operator navigation system for a fast, process-oriented setup and high usability.

### + Maintenance

- Fully automated central lubrication of the entire machine on the drive and operator sides considerably cuts maintenance times.

→ You can find more about the details of your Speedmaster here: [heidelberg.com/en/cd102](http://heidelberg.com/en/cd102)



# Leader in the printing process.

## 9 clear benefits.

### Makeready



# 1 hour

**washup time per day saved** thanks to the world's fastest washup systems. Intelligent, parallel washup programs cut two minutes off each washup cycle compared with the industry standard.

### 5 minutes

**saving** per ink change and printing unit – instead of five or even ten minutes of cleaning, each ink fountain is cleaned in just one or two minutes.

**60 Minuten** faster in postpress thanks to freely positioned sheet brakes and Venturi sheet guidance for faster work-and-turn.

### User friendliness

# 300

**wasted sheets** and **10 minutes saved** when changing to difficult substrates thanks to material-dependent, stored preset air settings. Flexibility without loss of productivity.

**1,000 sheets/h** higher net production thanks to sheet arrival control and monitoring, ensuring stable, uninterrupted production.

### OEE

**Improved overall equipment efficiency** – navigated printing reduces process and operator-dependent downtimes.

### Productivity

# 70 %

**fewer operating steps** per job change thanks to the patented Intellistart.



Just

# 2 clicks

to select and release job for printing.

Roller settings are checked in just **5 minutes** and 20 minutes are saved per adjustment cycle with the **Roller Check Assistant** software.

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For details on the emissions of the Speedmaster CD 102, please visit us at [heidelberg.com/emissiondetails](http://heidelberg.com/emissiondetails)

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