



# 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.

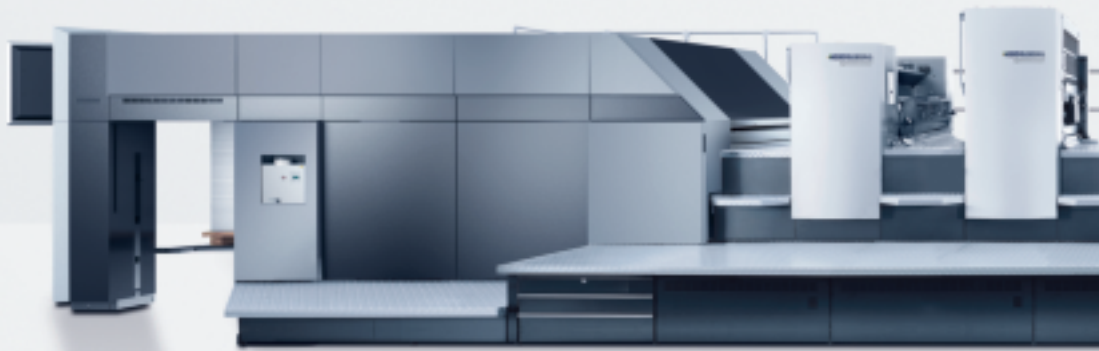
An attractive price/performance ratio is not the only advantage of the Speedmaster CD 102. Its strengths are obvious in the production of specialized packaging in up to seven colors, for example, and in UV and coating applications.

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 at all times thanks to maintenance, remote functions, perfectly coordinated consumables, and an international service and spare parts network.

Invest in performance and future-proof value. With over 50,000 printing units sold, the Speedmaster CD 102 is the world's most popular range of machines in 70 × 100 cm (27.56 × 39.37 in) format. Not only that – it also offers extensive added value thanks to its ultra modern equipment, maximum substrate flexibility and constant productivity.

# Outstanding characteristics. The facts at a glance.

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## Equipment:

- Prinect Press Center® 2 control station with intuitive Intellistart® operator guidance system for fast, process-oriented setup and maximum user friendliness
- Preset Plus feeder and delivery for maximum 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

## Highlights:

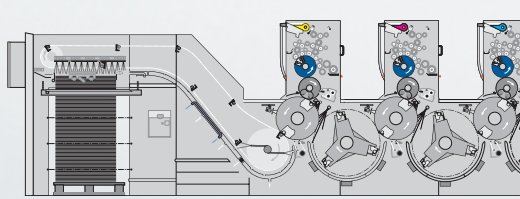
- Superior print quality at a maximum printing speed of up to 15,000 sheets an hour
- Easy accessibility for convenient operation
- High degree of automation ensures short makeready times and reduces paper waste
- Secure investment and stable value retention thanks to a tried and tested platform and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

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

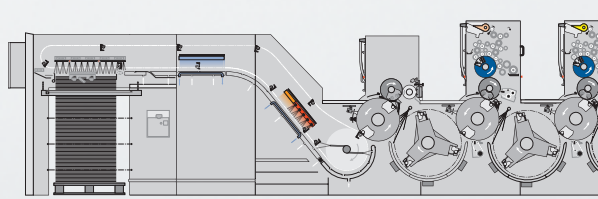
Versatile. Flexible. Efficient. The Speedmaster CD 102 sets standards in the  $70 \times 100$  cm ( $27.56 \times 39.37$  in) format. This universal machine processes a huge variety of substrates and is suitable for the cost-effective production of high-quality commercial, packaging and label print jobs.



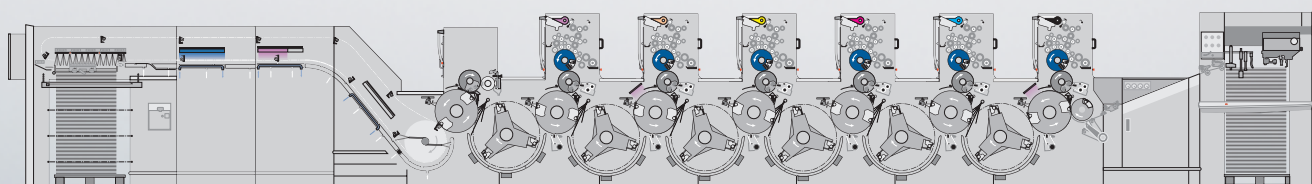
#### Configuration examples:



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





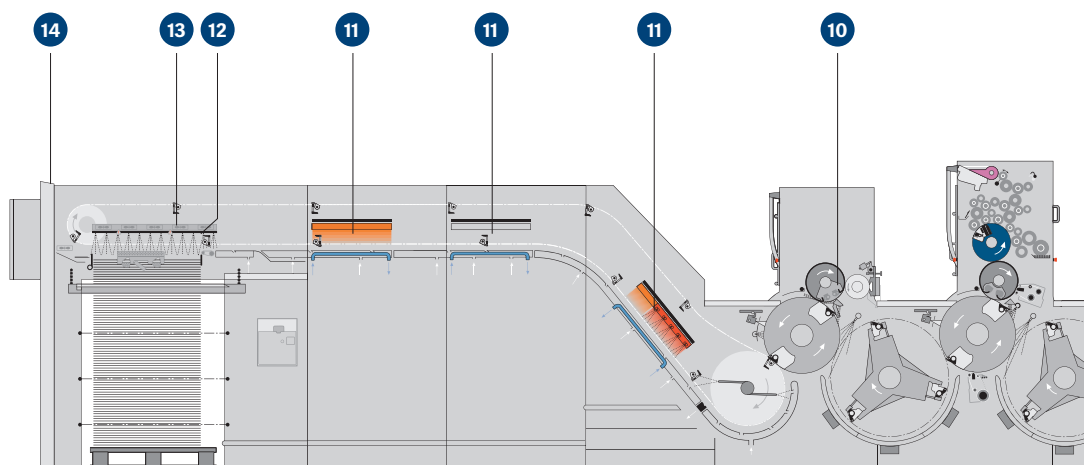
The Prinect Easy Control spectrophotometric color measurement system integrated in the control station ensures economical production with maximum color integrity.



Sheet brakes can be positioned as desired in the delivery, ensuring 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.

### 1 Non-stop 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 ensure 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

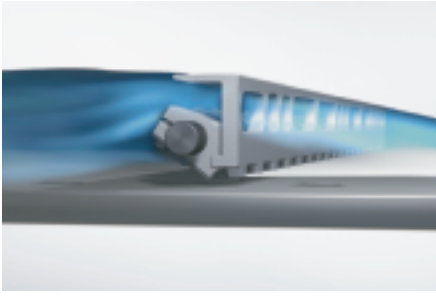
The AirTransfer system with Venturi nozzles guarantees contact-free, stable sheet transport over the entire printed stock range of substrates 0.03 to 1 mm (0.0012 in – 0.039 in) thick.

### 8 Inking unit and film dampening system

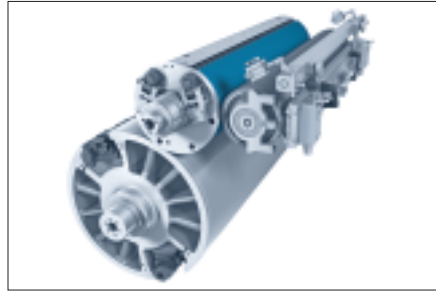
The speed-compensated Alcolor film dampening unit with Vario function ensures a stable ink-water balance and prevents hickies. The inking unit with high storage capacity promises stable coloring over the entire production run.

### 9 Ink fountain

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



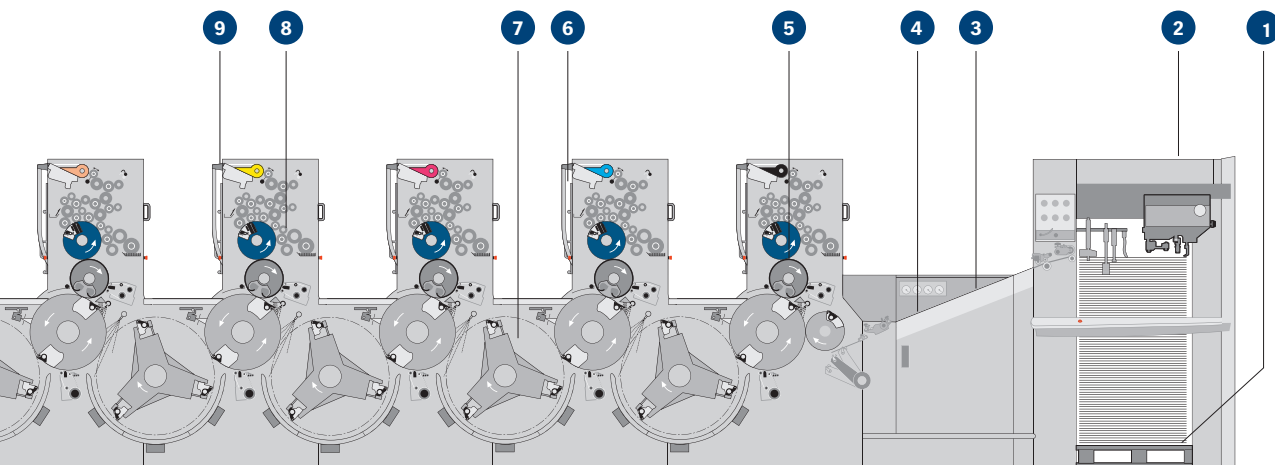
The aerodynamic gripper bar enables high speeds thanks to optimized flow conditions.



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



Super-fast ink changes thanks to ink fountain liner.



The machine shown is a sample configuration. Some of the equipment features mentioned are optional.

#### 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.

#### 15 Prinect Press Center 2

The control station intelligently links the printing press to the Prinect workflow. It combines convenience with a comprehensive range of diagnostic functions. An intuitive operating concept and process-oriented Intellistart operator navigation system reduce makeready times and increase productivity.

#### 16 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](https://heidelberg.com/en/cd102)

# Leader in the printing process. 8 clear benefits\*.



➔ [heidelberg.com/cd102/efficiency](https://heidelberg.com/cd102/efficiency)

## 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.

# 60 mins

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

# 5 mins

**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.

# 70 %

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

## Productivity

# 300



**wasted sheets** and **ten 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.

## Availability

# 30 mins

and six blankets saved with every detection of foreign bodies or deformations in the substrate, thanks to stream control.

Roller settings are checked in just

# 5 minutes

and 20 minutes are saved per adjustment cycle with the **Roller Check Assistant** software.



\* See reverse

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### Publishing Information

Printed in: 05/16

Photographs: Heidelberger Druckmaschinen AG

Platemaking: SupraSetter

Printing: Speedmaster

Finishing: Stahlfolder

Paper: Scheufelen BVS MATT

Consumables: Saphira

Fonts: Heidelberg Antiqua ML, Heidelberg Gothic ML

**Printed in Germany**

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