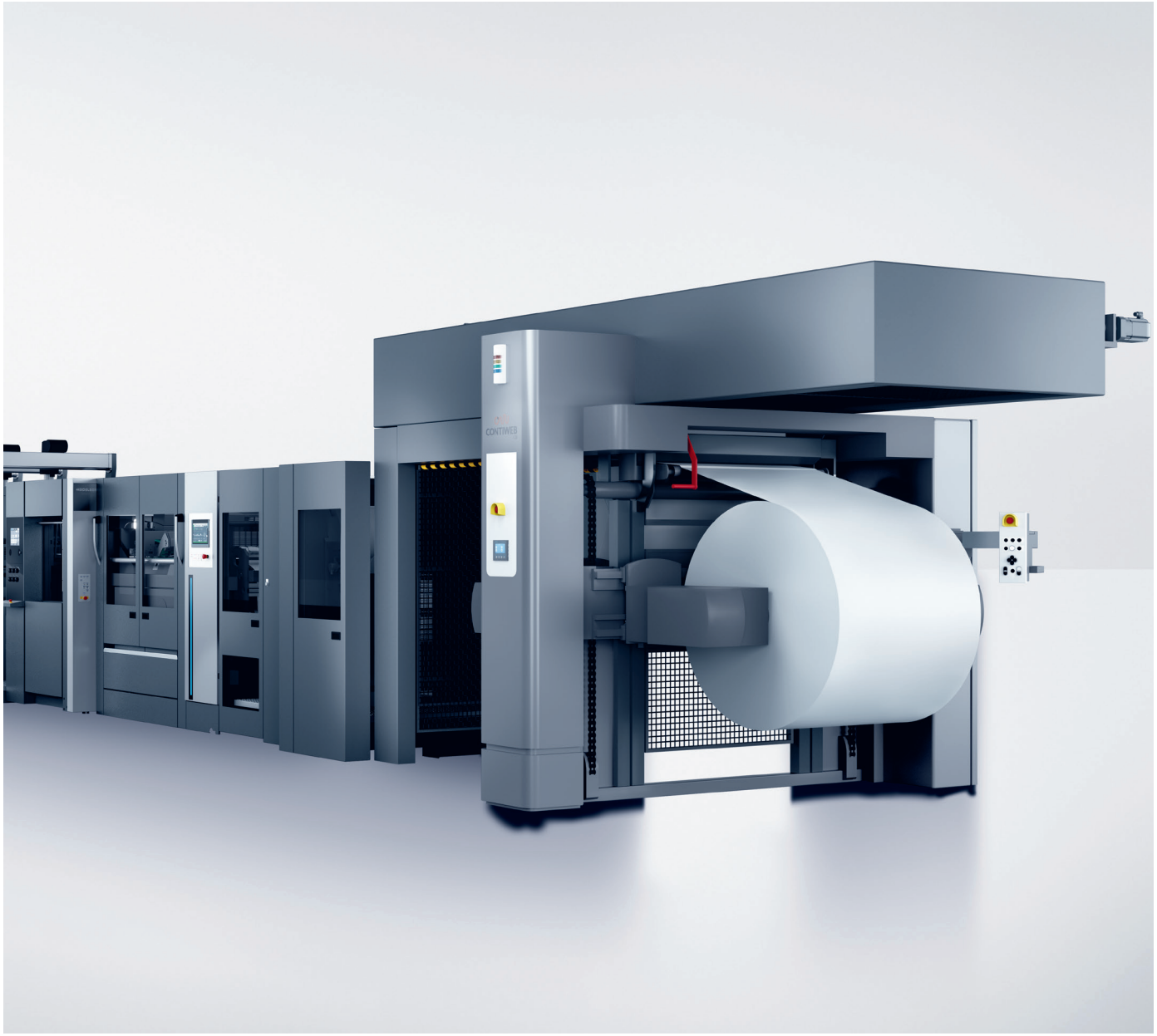
HEIDELBERG

Fully automatic non-stop reel splicer for CutStar 106. **Contiweb CBN-1100.**



Efficiency and productivity CutStar 106 with zero speed splicer. **Contiweb CBN-1100.**

Increased sheetfed offset press speeds of up to 21,000 sheets per hour, like on the Speedmaster® XL 106, mean shorter intervals between reel changes. The CutStar® 106, which has been completely redeveloped for high speeds even with the thinnest materials, significantly increases productivity with more automation, simple handling and easy maintenance.

A zero-speed, non-stop splicer is the perfect complement to roll-fed converting. An automatic splicer converts reels into a continuous web by splicing reel to reel at full press speed, which is then cut precisely to size by the CutStar.

Standard equipment and features:

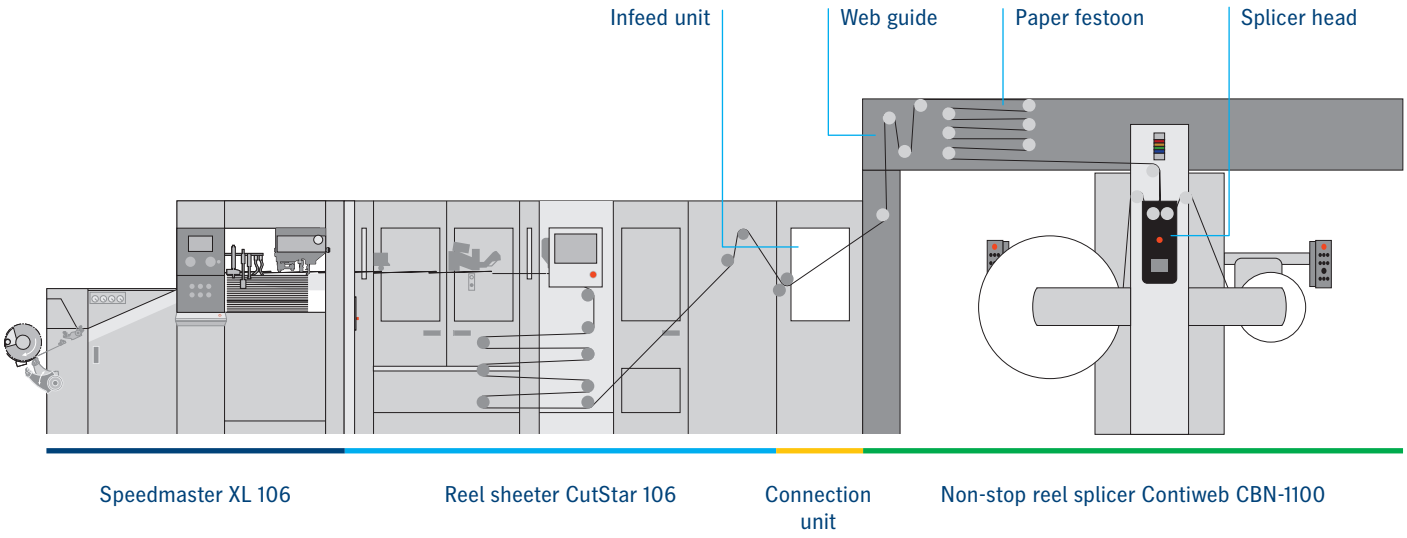
- Indication of the actual splicer operating parameters / data on the operating screen of the splicer
- Motorized reel side-lay adjustment with indication on HMI of splicer
- Loading of paper reels in the unwind position is easy; reels are loaded from ground level
- Automatic splicing at any reel diameter
- Integrated electronically controlled web guide
- Remote diagnosis system through VPN connection (Customer to provide VPN connection)
- Manual web-up system (kite with one sided guidance mounted in the machine)
- Single butt splice (head to head splicing, without overlapping)
- Automatic laser alignment

Benefits:

- Non-stop splicing saves considerable production time and labor hours
- Reel change and splice preparation during production, no production stop
- Preparing the splice is very easy and takes only two minutes

It is possible to splice over to substrates of different web widths, coatings and weights. This is very useful for short, fast job change. It is also easy to use rest reels, and there is no restriction on the diameter of the new or used reel for splice performance.

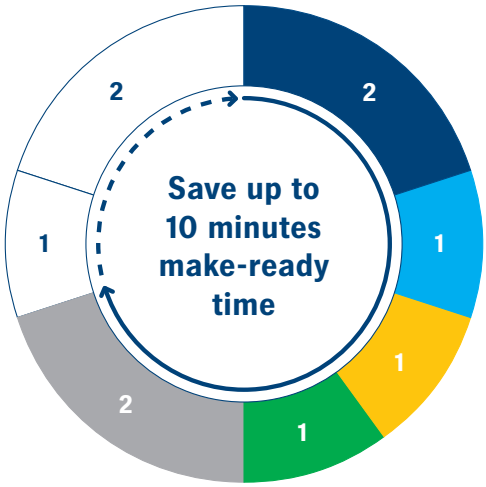
Discover the benefits.
Contiweb CBN-1100.



- Up to 600 hours of additional production time
- Up to 10 million additional sheets per year
- Up to 200,000 sheets less waste
- Butt splice can be sorted out
  - Fully automatically in the press delivery via waste deflection system or
  - Manually by using the tape inserter InsertStar
- Web buffer for non-stop operation
- Paper grammage from 30 gsm to 350 gsm (optional packages):
  - 70 to 200 gsm standard
  - 30 to 70 gsm with thin substrate package
  - 200 to 350 gsm with cardboard kit
- Floor-mounted track and trolley system

Savings per reel change within a printjob:

- Interrupt printing, stop the machine, blanket washing
- Remove empty core
- Fix the new reel
- Unpack the new reel, remove waste
- Fix the new web
- Paper in the CutStar must be removed up to the splice
- Restart production



Technical Specifications.
CBN-1100.

Reel diameter	110 – 1,270 (mm)
Web width	300 – 1,100 (mm)
Max. reel sidelay movement	± 25 (mm)
Min. reel diameter for loading	400 (mm)
Max. reel weight	2,000 (kg)
Web tension	100 – 250 (N)
Paper weight[1,2]	30 – 300 (g/m²), 300 – 350 (g/m²) only with cardboard kit possible
Max. paper thickness	0.356 (mm)
Standard core diameter	76 (mm)
Electrical	
Power connection	400/230 VAC (V) 480/277 VAC. Y TT/TN
Frequency	50/60 (Hz)
Main fuse	50 (A)
Full load power	35/35 (kVA)
Compressed air	
Pressure	6 – 8 (bar)
Consumption	120 (nL/h)
Machine Dimensions	
Lenght	4,710 (mm)
Width	3,250 (mm)
Height	2,960 (mm)
Weight	6,100 (kg)

[1] Thin substrate equipment advised for paperweights ranging from 30 to 70 g/m².
[2] Cardboard kit advised for paperweights ranging from 200 to 350 g/m², up to 18 pt (0.457 mm) thickness.

More information can be found here:
heidelberg.com/reel-splicer

Publishing information
Heidelberger Druckmaschinen AG
Kurfuersten-Anlage 52 – 60
69115 Heidelberg
Germany
Phone +49 6221 92-00
Fax +49 6221 92-6999
contact@heidelberg.com
Further details at:
heidelberg.com

Production note
Image credits: Heidelberger Druckmaschinen AG
Printing: Versafire
Consumables: Saphira
Printed in Germany

Trademarks
HEIDELBERG, the HEIDELBERG logotype, Saphira, Speedmaster and CutStar are registered trademarks of Heidelberger Druckmaschinen AG in the U.S. and other countries. All other trademarks are property of their respective owners.

Version May 2026

CONTIWEB
distributed by HEIDELBERG
FSC www.fsc.org FSC® C008807 Das Zeichen für verantwortungsvolle Waldwirtschaft
Print and equipment CO_2 compensated HEIDELBERG
www.heidelberg.com/co2 · ID1000923/100000

00.992.9990/03 en