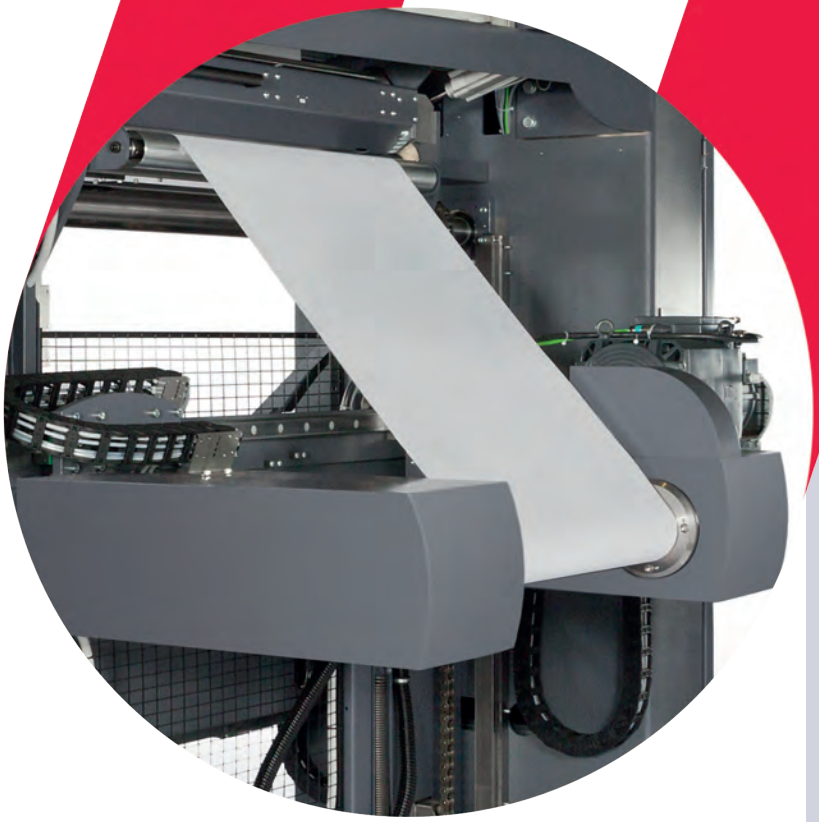
CONTIWEB

UNWINDERS/ SPLICERS

solutions to impress



Unwinders/Splicers

The Contiweb CD series is a modular system of reel splicing solutions designed to cover the full range of your digital web paper infeed requirements as well as label and package printing applications.

Comprising three models from entry-level unwind up to fully automatic, high-speed splice, the CD-W, CD-S and CD-N feature proven Contiweb precision engineering to ensure accuracy and repeatability at every stage of the process.

The Contiweb brand has long established its industry-leading credentials through consistently delivering high-quality reliability in splicing and drying. Meticulous design and precision engineering, combined with specialist software expertise, have positioned its flagship products as first choice for the world's premier web printers. Contiweb has carefully monitored the performance of its splicers in the field for many years. Splice performances of 99.7% or higher occur regularly and repeatably. Splice performances below 99.5 % are considered as inadequate.

Whether you choose the straightforward reel unwind system with manual splice, the Stop/Go unwind plus splice head combination, or the top-of-the-range Contiweb CD-N non-stop automatic changeover solution, all models are shaftless (require no reel shaft) and allow unwinding in either direction. Available in three web widths, 560 mm (22"), 770 mm (30") and 1100 mm (42"), all models also feature easy loading of paper reels from ground level as well as motorized* reel side-lay adjustment.

Using pneumatically expanding core chucks driven precisely and quietly by electric motors, the three models of the CD series offer an energy efficient, sustainable solution: all brake energy generated feeds back into the electrical circuit.

Furthermore, the CD-W and CD-S unwinders can both be easily upgraded on site to the next model, providing a development path to full automation as future production levels require.

**560mm manual reel side-lay adjustment*

CD SERIES OVERVIEW

- Modular Design
- Electronic Web Tension Control
- Shaftless

Contiweb Unwinder: model CD-W

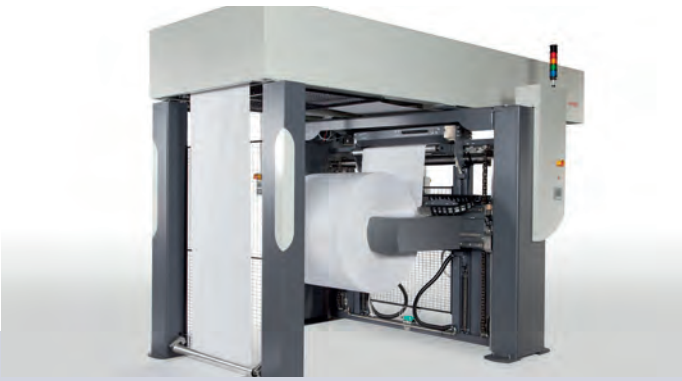
The shaftless CD-W model unwinder is available in widths of 560 mm (22”), 770 mm (30”) and 1100 mm (42”) each allowing unwinding in both directions.

Real-time operating data and error messages are shown on a simple user screen. Manual splice is performed when stopped.
A range of additional options available with the CD-W includes an integrated infeed (web tension control) to guarantee a uniform web tension at all times, as well as integrated web guidance, remote infeed functions via central press/printer console and remote diagnosis via VPN.

Contiweb Stop/Go double unwinder with splice head: model CD-S

The CD-S is a semi-automatic unwinder with splice head for a quick-change manual splice. It allows the operator to unload, load and prepare for splicing while production is underway, with the splice head facilitating a minimum stoppage cycle time per splice. With every splice, the CD-S can change web width and paper type, offering greater flexibility, and even the smallest rest reels can be easily loaded or unloaded.

In addition to standard features common to all three CD models, the CD-S boasts high-specification guide-rollers for maintaining optimum web tension. The range of additional options available with the CD-S includes: integrated, electronically controlled infeed to guarantee a uniform web tension at all times; remote infeed functions and web guidance via central press/printer console; remote diagnosis via VPN.



Contiweb Non-Stop Splicer: model CD-N

The CD-N is a horizontal zero-speed compensator splicer, but with fully automatic splicing, as well as integrated infeed as standard.

Using the industry-renowned Contiweb zero-speed festoon design, the running web and the new web are brought to a halt during the splice cycle while the press is fed from the integrated festoon. As the splice is performed at zero speed, all dynamic forces on the web are minimized. As a consequence, the operation is very forgiving of variations in splice preparation, such as operator skills and web quality.

The splice can be made at all reel diameters and the zero speed principle means that all dynamic forces on the web are minimized with every splice, offering maximum flexibility for changing paper type or web width easily, including the smallest rest reels.

Also included as standard on the CD-N are high-specification festoon- and guide-rollers for maintaining optimum web tension control. As an option, infeed functions and web guidance can be controlled remotely through the central press/printer console. Remote diagnosis via VPN is also available.

Standard equipment, features and options	Unwinder CD-W	Stop/Go CD-S	Non-Stop CD-N
Visual display of active operational parameters/data on splicer screen (HMI)	Standard	Standard	Standard
Motorized reel side-lay adjustment 560 mm version excluded	Standard	Standard	Standard
Automatic splicing at any reel diameter	Standard	Standard	Standard
No reel shafts required	Standard	Standard	Standard
Simple loading of paper reels in unwind position; reels loaded from ground level	Standard	Standard	Standard
Integrated electronic control of infeed for constant web tension	Optional	Optional	Optional
Integrated web guide*	Optional	Optional	Optional
Remote control of infeed and web guide through central press console	Optional	Optional	Optional
Remote diagnosis via VPN. Customer to provide VPN connection	Optional	Optional	Optional
UL / CSA certification electrical cabinet	Optional	Optional	Optional

*A web guide is not required when this splicer is connected to a HP T-series press. HP presses are equipped with a web guide at the paper entrance of the press.

Specifications	560 mm (22") Web width	770 mm (30") Web width	1100 mm (42") Web width
Maximum splicing speed	2,5 m/s (500 fpm)	5,5 m/s (1080 fpm)	5,5 m/s (1080 fpm)
Maximum web width	560 mm (22")	770 mm (30")	1100 mm (42")
Minimum web width	200 mm (8")	300 mm (12")	300 mm (12")
Maximum reel diameter	1270 mm (50")	1270 mm (50")	1270 mm (50")
Minimum reel diameter (for loading)	400 mm (16")	400 mm (16")	400 mm (16")
Maximum reel weight	800 kg (1750 lbs)	1100 kg (2425 lbs)	1600 kg (3525 lbs)
Web tension (with infeed)	50-250 N (12-56 lbs)**	50-250 N (12-56 lbs)**	50-250 N (12-56 lbs)**
Paper weight	40-250 g/m² **	40-250 g/m² **	40-250 g/m² **
Standard core diameter (others on request)	76 mm (3")	76 mm (3")	76 mm (3")
Global dimensions			
Machine length without platform	4700 mm (185")	4700 mm (185")	4700 mm (185")
Machine width	2670 mm (105")	2850 mm (112")	3150 mm (124")
Machine height	3000 mm (118")	3000 mm (118")	3000 mm (118")

**Guideline dimensions:
CD-N1100 = 4700mm/185" length (without platform) x 3150mm/124" width x 3000mm/118" height.

For emergency stops and safety reasons, an additional mechanical brake is added on all three CD models.

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