CONTIWEB

REWINDERS

solutions to impress

Rewinders

Specifically designed for the specialized requirements of the digital, label and package printing market, the Contiweb CR series of modular rewinders consists of three models to cater for entry-level manual rewind capabilities up to fully automatic rewinding at full press speed.

Whatever the level of automation required, the CR-W, CR-S and CR-N feature proven Contiweb precision engineering technology to ensure accuracy and repeatability at every stage of the process. The Contiweb brand is synonymous with the highest quality, reliability and repeatability. Widely regarded as industry leader in web tension control, Contiweb has built its enviable reputation over 40 years of meticulous design and precision engineering, combined with specialist software expertise, in supplying splicers and dryers to the world's premier web printers. Contiweb has carefully monitored the performance of its splicers in the field for many years, establishing 99.7% splice success as the standard level of performance.

All models in the Contiweb rewinders series are designed to rewind reels with speed and flexibility, without the loss of any printed copies. They feature motorized reel side-lay adjustment as standard, which can be monitored throughout via a simple HMI screen.
Each model is shaftless and allows rewinding in either direction. Available in two web widths 770 mm (30") and 1100 mm (42"), they also operate at floor level for easy handling and allow transfer of the web either to a core or to an existing reel of any diameter. For ultimate flexibility, the two transfer reels can be of different width and paper weight at any given time, and repeated transfers from first to second position and vice versa are possible.

Using pneumatically expanding core chucks driven precisely and quietly by electric motors, Contiweb CR rewinders offer an energy-efficient, sustainable solution. Because of their modular design, the CR-W rewinder can be upgraded to the Stop/Go model by adding a second rewind position. The CR-S Stop/Go model can in turn be upgraded to a CR-N Non-Stop model by adding a festoon. Upgrades can be made quickly and easily on-site.

Why choose Contiweb rewinders?

- Modular design
- Electronic web tension control
- Shaftless

Contiweb Rewinder: model CR-W

The CR-W rewinder provides the central platform for the whole Contiweb rewinder series, guaranteeing perfectly rewound reels regardless of variations in web width or paper weight. To ensure web tension control during operation, a dancer roller is installed at the entrance of the machine which enforces a set web tension level.

The CR-W rewinder has one reel position. During reel change the web must remain completely stationary. The reel change and web transfer to the new core is manual. Operational status and realtime data are displayed on an HMI screen throughout the procedure, as standard. Integrated outfeed (web tension control) is available as an option to guarantee a uniform web tension at all times, as well as integrated web guidance and the opportunity to include a slitter before the splice.

All remote outfeed functions can be controlled through the central press/printer console, if required, and remote diagnosis via VPN is also available.

Contiweb Stop/Go Rewinder: model CR-S

The CR-S rewinder is the next step up from the CR-W, featuring a double rewinder offering the same consistency of web tension and splice control. The CR-S has two reel positions. Unloading of a fully wound reel and the preparation of cores is possible during ongoing production, but a reel change can only be made when the press is stopped.

The reel change and web transfer to the new core is then automatic. As for all models, operational data is shown on the HMI of the rewinder and motorized reel sidelay is included as standard. Additional options are as for the CR-W.

Contiweb Non-Stop Rewinder: model CR-N

The top-of-the-range CR-N rewinder is a fully automatic model, that ensures perfectly rewound reels without interrupting production, thanks to the zero-speed concept. With the press in production, the running and new web are brought to a halt during the splice cycle, during which time the press is fed from the integrated festoon. The automatic splice can be made at production speed, at any reel diameter and at any time. Unloading fully wound reels and preparation of cores is also possible during production.

The CR-N offers additional optional functionalities common to the full CR range, including integrated electronic web tension control at outfeed, web guide, and slitter before the splice. With the integration of the slitter, printers can slit the web in ribbons with variable web widths before the splice, without interrupting production. While slitting, it is possible to splice and switch from one reel to the next.

Standard equipment, features and options	Rewinder CR-W	Stop/Go CR-S	Non-Stop CR-N
Visual display of active operational parameters/data on splicer screen (HMI)	Standard	Standard	Standard
Motorized reel side-lay adjustment	Standard	Standard	Standard
Web transfer at any reel diameter	Standard	Standard	Standard
No reel shafts required	Standard	Standard	Standard
Reels unloaded at ground level	Standard	Standard	Standard
Integrated electronic control of outfeed for constant web tension	Optional	Optional	Optional
Integrated web-guide	Optional	Optional	Optional
Slitter (before the splicing position)	Optional*	Optional*	Optional*
Remote control of outfeed and web guide through central press console	Optional	Optional	Optional
Remote diagnosis via VPN. Customer to provide connection	Optional	Optional	Optional
UL / CSA certification electrical cabinet	Optional	Optional	Optional

*A core shaft is required with the slitter option

Specifications	770 mm (30") Web width	1100 mm (42") Web width
Maximum winding speed	5.5 m/s (1080 fpm)	5.5 m/s (1080 fpm)
Maximum web width	770 mm (30")	1100 mm (42")
Minimum web width	300 mm (12")	300 mm (12")
Maximum reel diameter	1270 mm (50")	1270 mm (50")
Maximum reel weight	1100 kg (2425 lbs)	1600 kg (3527 lbs)
Web tension range (between press and winder)	50-400 N (12-90 lbs)**	75-600 N (17-135 lbs)**
Web tension range (for winding reel)	150-840 N (34-189 lbs)	150-1200 N (34-270 lbs)
Web tension tolerance with outfeed	± 30 N (7 lbs)	± 50 N (11 lbs)
Paper weight	40-250 g/m²	40-250 g/m²
Standard core diameter	76 mm (3")	76 mm (3")

Global dimensions
(CR-N only)

	770 mm (30") Web width	1100 mm (42") Web width
Machine length without platform	5575 mm (219.5")	5575 mm (219.5")
Machine width	2754 mm (111.1")	3154 mm (124.1")
Machine height	3112 mm (112.52")	3112 mm (112.52")

**In combination with outfeed
For emergency stops and safety reasons an additional mechanical brake is added on all three CR models.