

RW70 Rewinder



New Design – Higher Performance



High quality rolls is the best rating you can give a rewinder. Rolls that are consistently firm right from the core provide a lot of advantages in the production process. The RW70 is a new automatic turret rewinder, based on many years of experience. The obvious choice for the customer who wants flexible and effective non-stop production of pre-printed high quality paper reels.

The bottom line is process knowledge

RW70 Rewinder

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High Quality Rolls

The operation principle of RW70 is special. The rolls are consistently firm right from the very first revolution, and there is no risk of getting a loose core or any loose layers in the roll. The rewinder is fully automatic. The only thing the operator has to do is to lift out the finished roll with the integrated reel lifter and make preparations for the next one. Web tension is always kept at a predetermined value with the aid of an air-loaded dancer. The possibility of using constant or taper tension enables the production of big rolls without any problem. The transfer to the new core happens automatically when the roll reaches a pre-set diameter or length. And since there is no need to stop the press or even slow it down, an increase of productivity for every roll change is automatically obtained.

Perfect Slitting

The RW70 can be equipped with a longitudinal slitter, producing rolls with straight and even ends. After slitting, the web runs over a spreader roller which smoothes out any wrinkles. At the same time the webs are slightly separated and the finished slit rolls never get stuck together.

Winding and Loading of a New Core

The web is rewound on a roll in the inner winding position. The splicer carriage, with its roller, is pressed against the surface of the roll for the right hardness. The new core, prepared with glue or a double-sided adhesive is placed on the reel shaft in the outer winding position.

Start of Splicing Sequence

The automatic splicing sequence starts just before the roll reaches the pre-set splicing diameter or paper length. The splicing carriage moves back, the reel arm rotates the empty core into the inner position and the winding roll the outer position.

Ready for Splice

The reel shaft with the new core accelerates until it is synchronous with the web speed. After the reel arm has stopped in the right position, the splicing carriage goes into position. The rewinder is ready for splicing.

Splicing to the New Core

At the set value the splicing takes place. The rollers in the splicing carriage press the winding web to the adhesive on the new core and the knife severs the old web. The full roll can be removed with the integrated unloading device.

Standard RW70 Model Features

- No mechanical connection with main press required
- Two expanding, pneumatic, reel shafts included per machine
- Reel arm including four safety chucks for positioning of the reel shafts
- Splicing carriage with pressure roller and spreader roller
- Fully graphical colour display and control panel for reel diameter, rewound paper length, line speed and alarm messages etc, including sheet counter and sheet waste counter
- Taper tension, adjustable and selectable - linear or customized
- Integrated reel unloader
- Digital AC drives with two AC-motors, controlled by an ABB PLC

Options

- Longitudinal slitting equipment with slitting knives. Number of ribbons depends on material, core size, reel weight and reel width
- Manual operated reel shaft extractor
- Pneumatic safety chucks for easy release and loading/ unloading of core shafts
- Manual splice signal from press to rewinder
- Splicing from sheeter to rewinder during running

Operating Specifications

Maximum running & splicing speed	2500 fpm	12.7 m/s
Maximum web width	39.5 inches	990 mm
Maximum roll diameter (rewound + new)	50 + 25 inches	1270 + 630 mm
Minimum roll diameter for splicing	12 inches	300 mm
Roll core inner diameter	3 inches	76 mm
Maximum roll weight	3300 lbs	1500 daN
Standard tension range	16-88 lbs	7-40 daN