

Kern 100 / Kern 110



Rock 'n' Roll your production with the Kern 100 Unwinder and Kern 110 Rewinder

The pressure is on. Deadlines become shorter and Service Level Agreements become tighter. Job processing, printing, finishing and mailing need to be done in ever shorter time frames. At the same time printing jobs become larger in size while cost per page has to be kept to a minimum. The trend is to turn to higher speed digital continuous feed toner and ink jet printers to meet those needs.

The Kern 100 high speed Unwinder and the Kern 110 high speed Rewinder will assist you in getting the job done. Thanks to its accurate roll tensioning systems, the Kern Roll to Roll solution delivers the best paper roll quality for easier final finishing. Able to run at a speed of 250 m/min (820 ft/min), the Kern 100 Unwinder and the Kern 110 Rewinder will require no speed upgrade kit nor additional license cost when your continuous feed digital print engine will be upgraded to higher speed to absorb your increasing print volumes.

Thanks to its built-in anti-curling functionality and its special interface, the Kern 100 Unwinder is also a natural

choice for the feeding of Kern inserting systems, to warranty reliable workflow and high envelope output rates.

The Kern Roll to Roll solution not only offers flexibility and high speed capability, it is a high quality, user friendly and easy to service unit as well. The Kern 100 Unwinder and the Kern 110 Rewinder will fit all your needs in transactional, Transpromo, direct mailing and graphic arts markets!

Features

Kern 100 Unwinder / Kern 110 Rewinder

- Top speed of 250 m/min (820 ft/min)
- Unit accepts rolls of up to 137 cm (54") diameter, 700 kg (1500 lb), with a paper web width from 150–520 mm (6"–20.5")
- Easy paper loading through automatic dancer
- High performance paper loop control ensuring exceptionally smooth paper flow even for low paper weight
- Easy to operate touch screen with 50 jobs settings storage plus production feedback, service diagnosis and integrated operation guide

Our Services

- On site consulting
- Requirement analysis
- Working out an optimal solution
- 3D layout
- System integration
- On-site training of your employees
- Comprehensive support during the operational phase

- Built-in paper anti curling system in coordination with Kern finishing devices
- Easy installation and overall mobility thanks to integrated casters
- Automatic selection of the right unwinding / rewinding direction
- For inserters and continuous feed digital printer (toner and ink jet), with left or right operator panel

Special features

Kern 110 Rewinder

- Controlled tension is adjusted automatically to obtain well tensioned rolls of paper with perfectly flat sides throughout
- Constant roll diameter monitoring with roll full sensor. Unit can even stop at any pre-set roll diameter through the Graphic User Interface system
- Unitized design concept between Unwinder and Rewinder reduces maintenance costs



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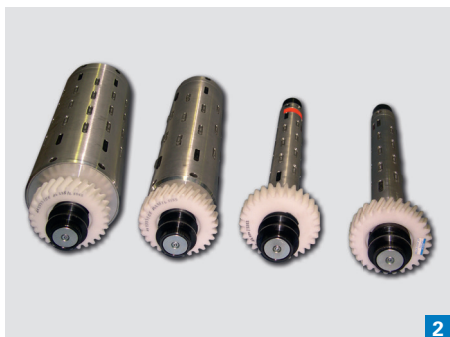
Your technology partner | **kern**

Additional to the System **Kern 100 / Kern 110**



1 Kern roll transport cart CBS-6

The Kern roll transport cart CBS-6 is designed to facilitate the simple and effective transport of paper rolls in a safe and easy to manage manner. It has a substantial robust steel frame which sits on four heavy duty wheels that have been spaced to spread the load and contribute to a long roll cart life cycle. The reversible arm allows the operator to simply change running direction of the cart by avoiding the need to perform an uncomfortable 180° turn. Its parking brake allow safe load and unload process of the heaviest paper rolls.



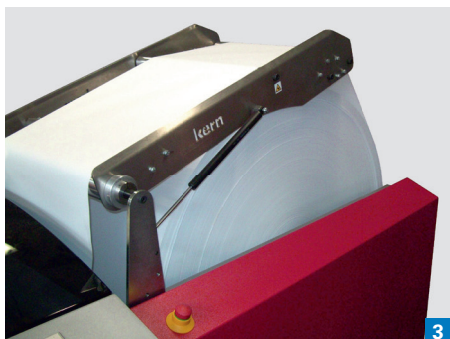
An operator manual for each cart has been affixed to the manipulating arm to promote safe use by having the relevant information to hand at all times.

Taking everything into consideration, we believe that the Kern CBS-6 Roll Transport Cart is the safest and most user friendly device available in the marketplace today.

2 Roll airshaft

The Kern 100 Unwinder and K110 Rewinder can use 70, 76, 127, 150, or 200 mm (2.7", 3", 5", 6" or 8") diameter airshafts.

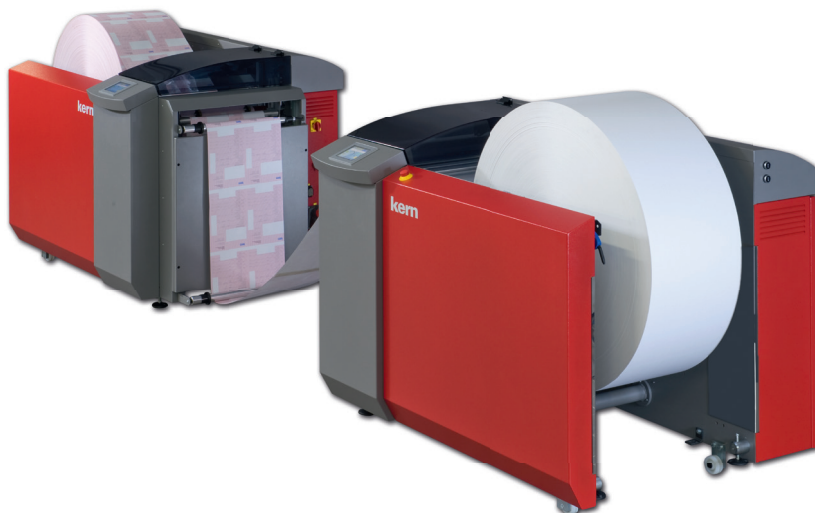
Kern is the only company who equip its airshafts with helicoid gear to reduce noise level and increase lifetime of the airshaft's gear.



3 Heavy and light paper weight

For paper weight between 45–60 g/m², Kern equips its Kern 110 rewinder with the light paper weight kit to ensure an utmost roll quality.

For paper weight between 160 g/m² and 240 g/m², the Kern 100 unwinder and Kern 110 rewinder are delivered with the heavy paper option to ensure the widest paper range capabilities for your production



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