



# High speed Roll Unwinder K100

## Reconsider the role of your Unwinder

Printing and finishing equipment are increasingly faster and are requiring faster Roll Unwinders to match this trend. The K100 Roll Unwinder is perfectly suited in combination with high speed printers, cutters, folders and inserting systems. The K100 Roll Unwinder not only offers high speed capability, it is a high quality, user friendly and easy to service unit as well.

Roll Unwinder K100 features:

- Outstanding ergonomic design.
- Ease of operation.
- High performance paper loop control ensuring exceptionally smooth paper flow.

## Benefits

- Utmost versatility dedicates unit to high performance inserters, high speed printers or a vast selection of paper processing systems.
- Processing speed up to 150m/min (500 fpm) within ½ second or up to 240m/min with optional buffer.
- Unit will accept Rolls of up to 137cm (54 ")
- Easy paper loading through automatic roller system.
- Roll load and unload to floor level enhances handling capability.
- Constant roll diameter monitoring with end of roll indication.
- Operator adjustable red spot device can be set to stop unit at predefined roll diameter.
- Easy to read touch screen with 50 jobs settings storage plus production feed back and service diagnosis, providing access to production statistics and with integrated operating guide.
- Unit will automatically select the right unwinding direction (top or bottom).
- Integrated decurling function in coordination with Kern finishing devices.
- Open software architecture enhances communication capability with other systems.
- Easy installation and overall mobility thanks to integrated casters.
- Unitized design concept between Unwinder and Rewinder reduces maintenance costs.
- Unit can be customized to adapt to all configurations by having control panel on left or right side.

## Specifications

Unwinding speed:	From 10 to 240m/min (32 to 787ft/min)
Maximum roll diameter:	1372mm (54")
Roll width:	150 - 520mm (6" - 20.5")
Roll weight:	700kg (1500lb)
Paper weight:	45 - 160gsm or optional 240gsm. Other weights on request
Airshaft diameter:	70, 76, 150 or 200 mm (2.7", 3", 6" or 8")
Footprint (H x L x W with roll):	1510 x 2110 x 1280mm (59" x 83" x 50")
Footprint (H x L x W without roll):	1180 x 1860 x 1280mm (46" x 73" x 50")
Weight (without roll):	820kg (1800lb)
Power requirements:	400V, 50Hz, 3 phase + N + PE, 3.5kW or 208V, 60Hz, 3 phase + PE, 3.5kW with integrated transformer
Air requirements:	6 bars (90PSI), dry and filtered compressed air
Noise level:	Up to 60dB (A)
Thermal dissipation:	350Wh (1195BTU)
Temperature:	15°C - 35°C (60°F - 95°F)
Certifications:	CE - ETL / UL - EMC - FCC - RoHS

Specifications are not contractual, open to change without advance notice