KONICA MINOLTA

EXCEPTIONAL INDUSTRIAL PACKAGING SOLUTION

RETHINK PACKAGE PRINTING

PKG-1300

Giving Shape to Ideas

PKG-1300
AUTOMATED DIGITAL CORRUGATED PRESS

KEY FACTS

Designed for corrugated manufacturers, converters, printers and brand owners looking for an automatic industrial digital print solution.

Fast print speeds:
300 x 1200 dpi at 88.58' (27.0m) per minute
600 x 1200 dpi at 59.06' (18.0 m) per minute
1200 x 1200 dpi at 29.53' (9.0 m) per minute

- Easy installation and setup
- Powered by Ergosoft RIP technology
- Automatic Feeding and Stacking system
- High water and UV resistance prints
- Variable Data Package printing
- Media Profiling
- HP Thermal Printheads
- 4c Water-Based Pigment & Dye Ink

A GREAT PRODUCT DESERVES AN EXCEPTIONAL PACKAGE

Print high-quality, eye-catching boxes that sell and protect the product — instantly and on-demand.

Digital packaging is in high demand. After all, your packaging is the first way to deliver your brand's image to a customer. The Packaging has to work harder than ever before, grabbing attention to increase revenue, and offering higher quality, shorter runs and customization. Konica Minolta's PKG-1300 printer is a high-speed, automatic digital corrugated and folding carton printer that provides vibrant color, water resistance, automatic feeding and unloading. Corrugated packaging is not just for outer-box shipping anymore. The "box-to-shell" concept is being used worldwide to protect, promote and deliver products. The PKG-1300 allows you to print rich graphics on corrugated packaging so you can capture the short-run market, affordably and economically. The PKG-1300 prints on a wide range of media, from flat sheets to pre–die cut folded and glued boxes, up to 1.96 in (49.98mm) thickness. The result is High Quality packaging your brand demands, at a price your business requires.

DIGITALLY PRINTED BOXES MADE EASY

The PKG-1300 prints directly on folding carton media, corrugated flat sheets and pre–die cut media. Digital technology and workflow will enable you to print your box in seconds. By bringing box printing in-house, you will significantly improve your time to market and reduce waste and production time. You will see an immediate ROI of cost savings and profit.

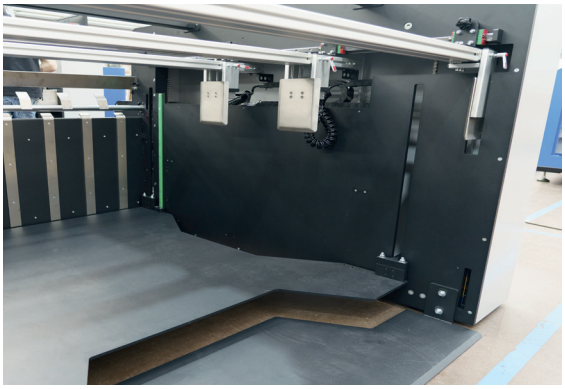
The PKG-1300 provides:

- On-demand printing of boxes and folding cartons
- High quality of 1200 x 1200 dpi
- Full 4c graphics
- Customized company branding
- Variable data plug-in option
- Run lengths from one to thousands
- Unique user-friendly printer interface
- Ergosoft RIP technology
- Software dashboard to view printer operations and ink levels at a glance with ink consumptions per job level
- Water based pigment & dye inks with high water resistance

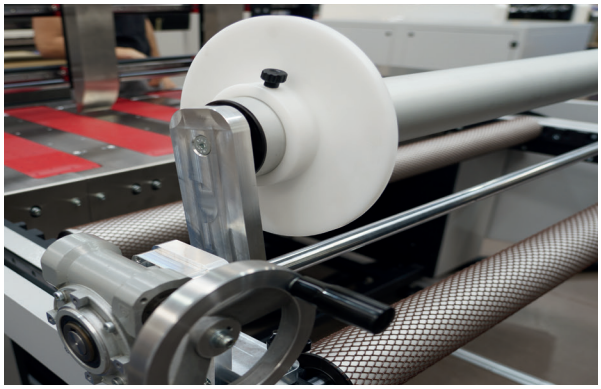
KEY BENEFITS

PKG-1300

- User-friendly interface
- Prints with high water and UV resistance
- Automatic feeder
- Automatic stacker
- Industrial setup

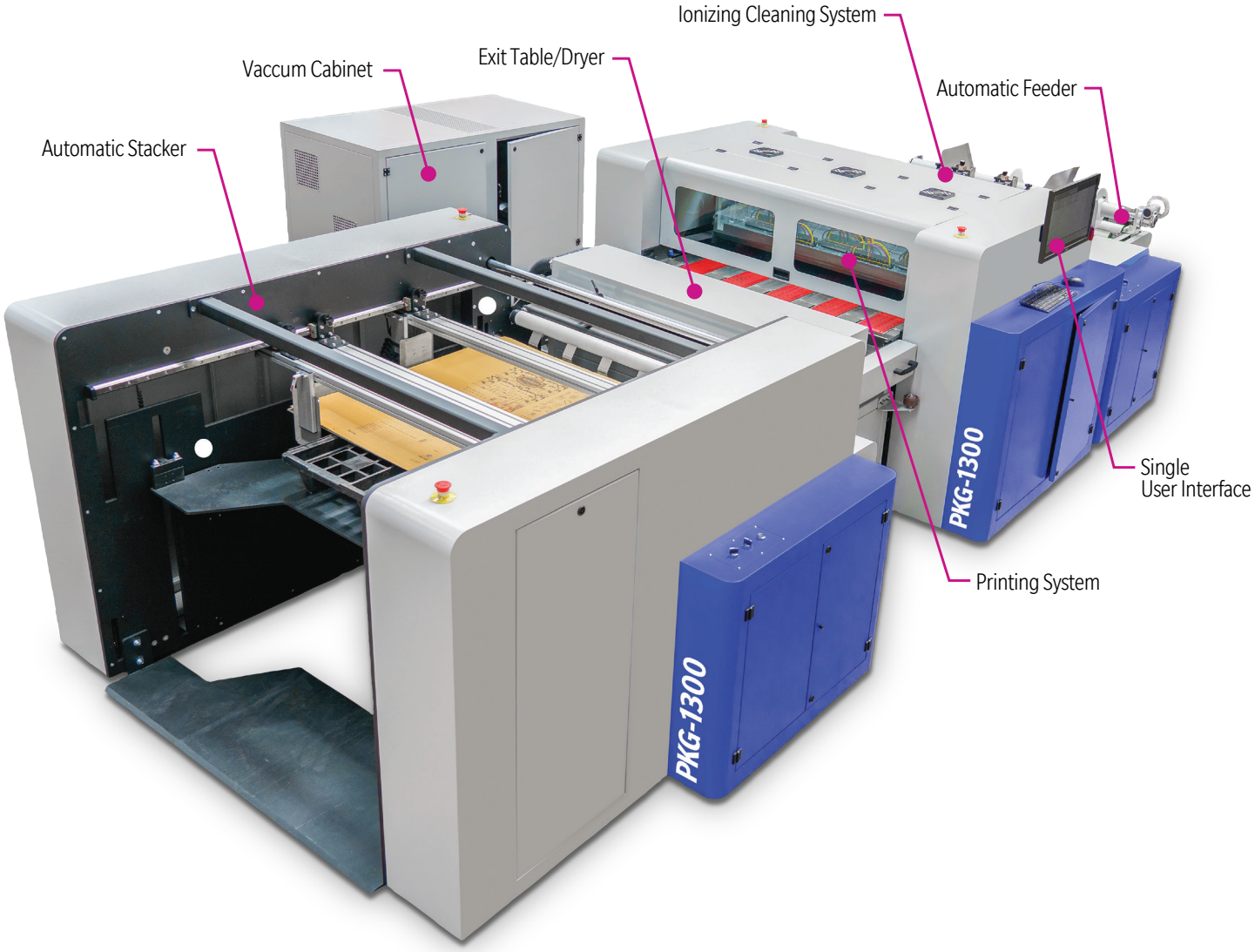


STACKER w/pneumatic side guides

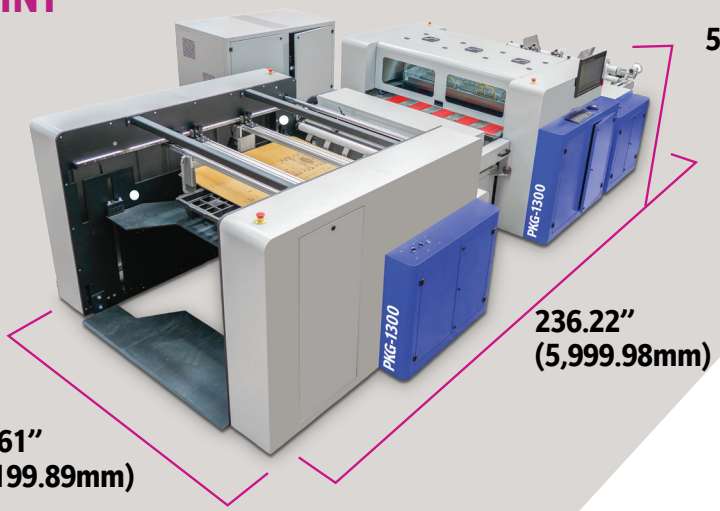


FEEDER w/vacuum belt suction

AN INDUSTRIAL PACKAGE READY FOR YOUR NEEDS



FOOTPRINT



INDUSTRY 4.0 READY

WATER BASED SUSTAINABLE PRINTING

N 2438
N 2508
N 768
N 2498
N 758
N 2488
N 748
N 2478
N 2518
N 2528
N 2598
B 905
B 965
N 2588
N 868
N 958
N 2578
N 858
N 948
N 2568
N 848
N 938
N 2558
N 928
N 2548
N 2538
N 1018
N 2608
N 2618
N 2628
B 975
B 1185
N 1268
N 1068
N 1168
N 1258
N 1058
N 1158
N 1248
N 1048
N 1148
N 1238
N 1138
N 1228
N 1218
N 2638
N 1368
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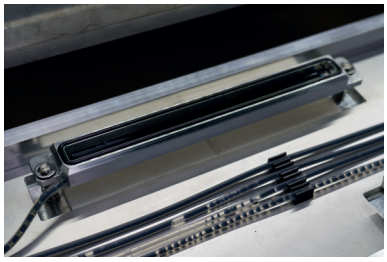
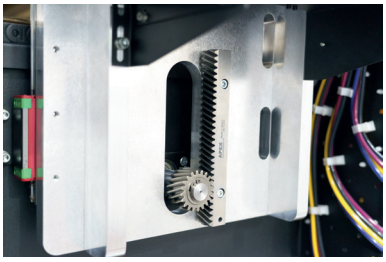
PKG-1300
AUTOMATED DIGITAL CORRUGATED PRESS



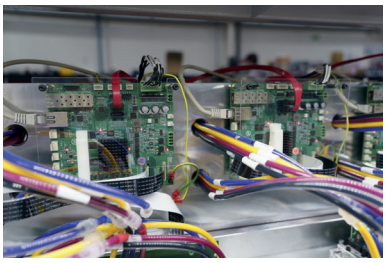
Print head capping system for more efficient cleaning and greater protection in standby.



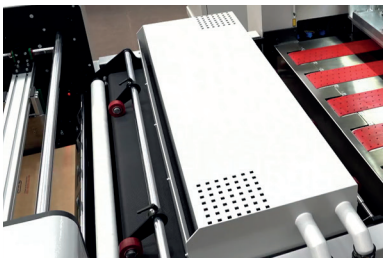
High accuracy Z axis with a range between 0.039" (1mm) and 1.96" (50mm).

Adjustable feeding depending on material sizes and thickness. Vertical cardboard input control for efficient and fast feeding.

CE and UL certified electrical installation.

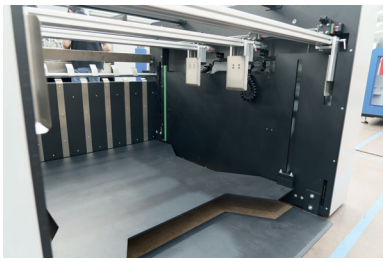


Proprietary MTEX NS electronics with complete control using 4.0 tools, Ethercat and SATA communication.

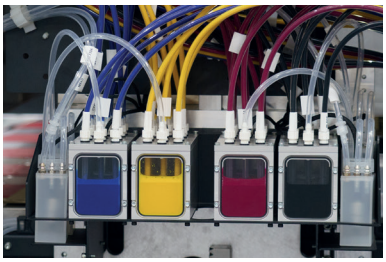


Dryer unit with independent controls for temperature and air-flow levels ensures perfect prints without stamping when immediately stacked.

Vacuum cabinet with noise suppression, keeping all components silent, protected and closed.



Industrial stacker with board size adjustment, safety sensors, pallet feed, and full synchronization with the different print speeds.



Sub-Ink tank system for controlled ink supply; for better printing, managing air intake and ink consumption in long, high-throughput printouts.

All material feeding is controlled by crush wheels, controlling thickness and avoiding material vibrations.

Independent vacuum sectioned throughout the equipment for more efficient and controlled media transport.

Bulk feed 5 Liter tanks for greater ink cost efficiency.

TECHNICAL SPECIFICATIONS

PKG-1300

System specifications

Resolution	High resolution: 1,200 x 1,200 dpi Medium resolution: 600 x 1,200 dpi Low resolution: 300 x 1,200 dpi
Print Speed	High res: 29.53 ft/min. (9 m)/min. Medium res: 59.06 ft/min. (18 m/min.) Low res: 88.58 ft/min. (27 m/min.)
Ink	C,M,Y,K water-based Pigment or Dye ink, 5 liter tanks ea.
Power Consumption	Printer: 400 V AC, 50 Hz, 3 Phase, Plug 32 A, 8,000 Watts WebCleaner: 400 V AC, 50 Hz, 3 Phase, Plug 16 A, 5,500 Watts
Weight	2,645 lbs (1,200 kg)

Feeder specifications

Media	Cardboard sheets from 0.039 in to 1.96 in thick (1mm to 50mm thick)
Max. Feed size	51.18 in wide x 66.53 in long (1,300 mm wide x 1,600 mm long)
Min. Feed size	11.81 in wide x 15.74 in long (300 mm wide x 400 mm long)
Feed speed	Up to 88.58 ft/min (27 m/min.)
Max. Feed pile	15.74 in (400 mm)
Power Consumption	Feeder: 400V AC +/- 10% - 3 Phase + Neutral + GND, 50/60 Hz, 3,500 Watts
	Circuit protection: RCCB 4P, 40 A, 300 mA, C, 10 kA (must be provided by the customer)
Weight	2,425 lbs (1,100 kg)

Stacker specifications

Media	Cardboard sheets from (1 mm to 50 mm) thick
Max. Board size	51.18 in wide x 62.99 in long (1,300 mm wide x 1,600 mm long)
Stacking speed	Up to 88.58 ft/min (27 m/min).
Max. Stacking pile	28.54 in (724.91 mm)
Power Consumption	Stacker: 400V AC +/- 10% - 3 Phase + Neutral + GND, 50/60 Hz, 3,500 Watts
	Circuit protection: RCCB 4P, 40 A, 300 mA, C, 10 kA (must be provided by the customer)
Compressed air	6 bar, 50 l/min., 8 mm outside diameter
Weight	1,984 lbs (900 kg)

Software

Internet connection	24/7 requirement
Platform	PC/Windows-based
Controller	Ergosoft RIP
Interface	PC-based

Operating environment

Operation	68°F - 86°F (20°C – 30°C)
Humidity	50 % – 70 % RH (non-condensing)

For complete information on Konica Minolta products and solutions, please visit: **CountOnKonicaMinolta.com**

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