

## Kohmann Windowers - Since 1962

**Kohmann, manufactured in Dusseldorf, Germany, has been producing Window Patchers for over 55 years. With more than 2,000 machine installations worldwide, Kohmann offers three different performance models: the affordable F-1000 Classic; the mid-range F-1100 ECO; and the high speed F-1100|F-1400 Universal.**

The Best for Last! Windowing, in many production environments, is the last finishing embellishment of a product's manufacturing life cycle. Through the aid of (8) key sections of the machine, Windowed products give a client's finished piece an elevated level of presentation.

## Section-by-Section

1. Operator Panel - The operator setup is supported via the color touchscreen PLC in two ways: by text descriptions and graphic visuals. Many of the machine's procedures are input via the touch screen: carton dimensions, number of lanes, film length, machine timing, cycle speed. Errors are also explained via the PLC.
2. Feeder - A continuous, top load-bottom fed design supports paperboard, plastics and corrugated materials. The operator enters the length of the carton via the machine's color touchscreen. All Kohmann machines support 2-lane feeding, while some machines can support up to 4-lanes.
3. Alignment Section - A transport chain - with lugged fingers - aligns the blanks coming from the Feeder. The operator can micro-adjust the spacing of the blanks while in operation mode.
4. Glue Section - Glue bottles are positioned atop a large roller unit with doctor blade for consistent glue distribution. The glue transfers from the roller to a secondary cylinder with furniture which mirrors the outer perimeter of the window. Synchronized in timing, the glue passes from the furniture ("Stereo") to the paper, or plastic substrate underneath. The product - lined with glue - is now ready to receive an affixed window.
5. Transfer Section - Cartons leave the gluing section and enter the windowing and lining section via a vacuum, suction belt. The air intensity is adjustable for differing blanks.
6. Window Patching Section - Film is unwound from a roll, cut to the desired length by a cross-cutter & counter knife before transferring to onto a suction-based cylinder. This cylinder carries the film blank around the drum until it arrives atop the glue lined carton to be affixed. Micro adjustments of the films positioning atop the carton can be changed while the machine is in production.
7. Vacuum Transport Section - Cartons leave the Window & Lining section by way of the vacuum transfer belt until they reach the machine's shingle delivery section.
8. Delivery Section - When not in production, the delivery section is moveable for easier access to ease the film roll setup, or to access the cutting knife. On some models, you have the option of pursuing our optional stacker, which prepares blanks into stacks - say 25, 50 - before ejecting them towards the operator for easy removal and packing.

## Easy Clean Up

Finishing the day's last run? Purge the machine's excess glue and wipe down the cylinder roller in just a few short minutes! All Kohmann models have a glue unit section that ejects sideways, towards the operator, to give the operator better access during clean up. The "wind down" process requires:

- Removal of the glue bottle(s) & "splash tray".
- Expand the glue blade scraper away from cylinder.
- Place waste bin underneath the cylinder.
- Place the edge of the unused carton to the bottom of the cylinder to "grab" the excess glue, which will transfer down the length of the carton and into the waste bin.
- Run a damp cloth over the cylinder to remove the last layer of glue if necessary.
- Push the glue section back into the machine and lock in place for tomorrow's production

## Frequently Asked Questions

**Q. Do you offer double sheet detection control?**

A. Yes, 95% of our customers opt for this inexpensive option

**Q. How do you ensure each blank receives film?**

A. As an option, machines can be equipped with a scanner that's positioned outside the suction cylinder which transfers the film to the carton. This detects whether film was cut, and therefore, transferred to the carton.

**Q. Where do I prepare the stereo furniture?**

A. With purchase, all Kohmann owners receive an offline makeready table to prepare the furniture. The machines include various rubber to make the necessary window shape desired, and material to "wrap" [hold] the rubber stereo(s) around the cylinder.



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