

Finished with passion

TYPICAL CUSTOMER / APPLICATIONS

- Small to medium-sized offset and digital printers with a significant proportion of scratch-sensitive or sensitive duplex prints.
- Comprehensive protection of double-sided prints for products exposed to the elements - brochures, flyers, menus, luxury boxes and packaging, book covers.

KEY FEATURES

- Identical technological conditions for quality lamination on both sides of the sheet thanks to the twin laminating units in tandem arrangement.
- Automatic start (pressure roller activation) at the touch of one button makes the machine easy to operate. It also prevents the film from sticking to the roll.
- High operating economy for processing large and small orders.
- Very precise sheet registration and powerful pneumatic pressure system guarantee perfect lamination results.
- Air shafts for bottom and top lamination in the basic configuration for fast change of laminating film rolls.

EXTRAS

- Ability to process sheets of non-standard thickness.
- Easy switch between single- and double-sided lamination.
- Customized solution can run sheets up to 1016 mm in length.

WHY AMIGA 52 TANDEM DOUBLE BY KOMFI?

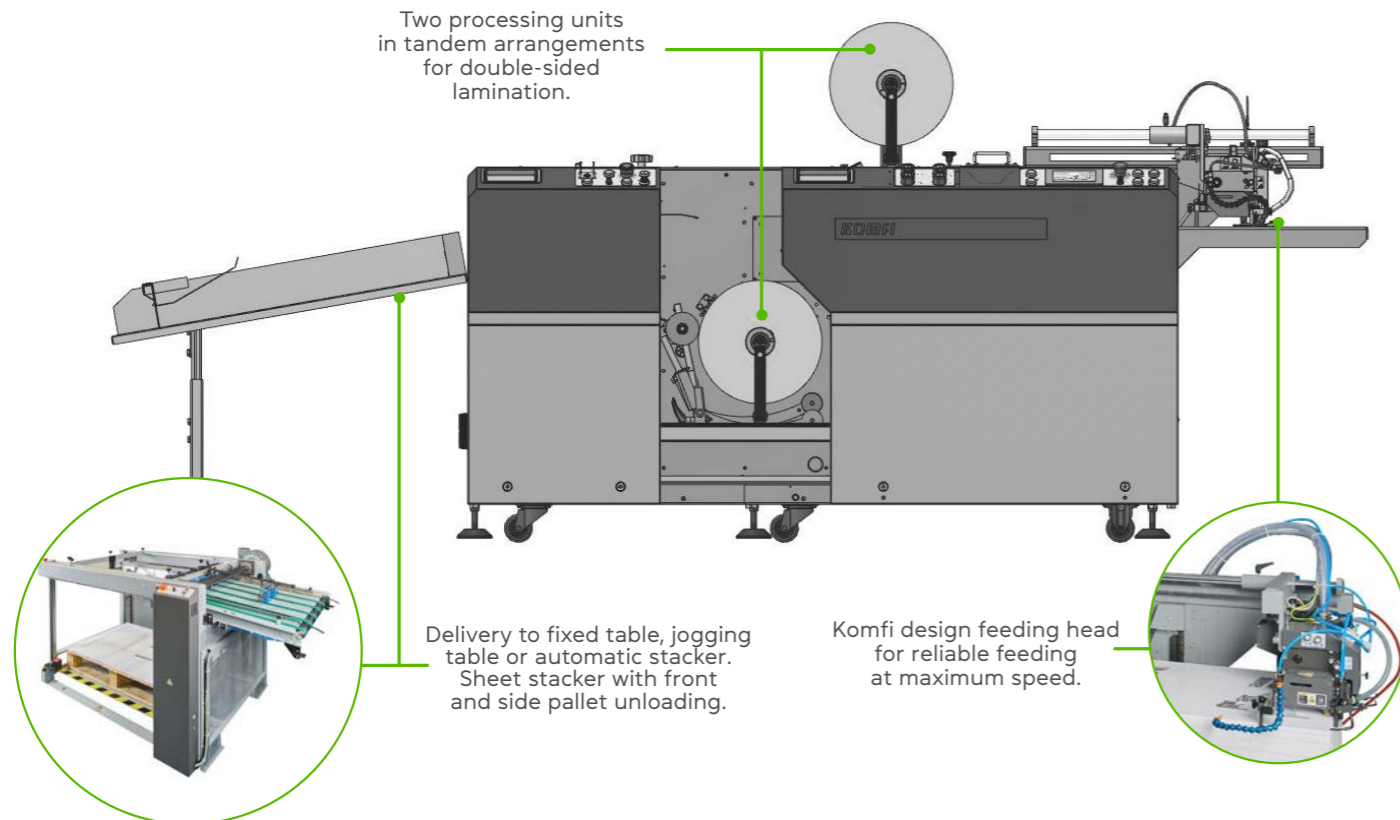
- Convenient operation and access to both laminating units while maintaining a compact footprint.
- Reliable separation of sheets joined by two laminating films thanks to the unique cycling inclined pulley.
- Control system and advanced sensors continuously monitor key process parameters and the lamination process itself, protecting the machine and production from damage while minimizing machine operator requirements (e. g. autopilot, sheet separation detection).
- Comfortable automated machine control with minimized operator requirements (machine start in automatic sequence, decurl position detection, auto-parking of the loading head).

AMIGA 52 TANDEM DOUBLE LAMINATOR



DESCRIPTION

- The Amiga 52 Double is based on the well-known and proven concept of the Amiga series laminators. Thanks to its modular design, the original Amiga is extended with a bottom lamination module that is inserted between the upper lamination module and the sheet separator.
- The machine also allows standard single-sided lamination, which always takes place on the first laminating unit behind the feeder and the laminating film is applied on the top side of the sheet.
- In the case of double-sided lamination, a second laminating unit is activated and laminates the sheet from the underside.
- The side opening and bottom lamination mechanism allows convenient access for operation and maintenance.



Technical specifications

Max. production speed: 25 m/min

Max. sheet size: 560 x 800 mm

Min. sheet size: 200 x 200 mm

Paper weight: 115-600 gsm

Max. paper pile height: 52 cm

Laminating roller heating: Single zone IR heating

Heat-up time: 3-5 minutes

Overlap accuracy: ± 1 mm

Dimensions (incl. delivery desk): 3.4 x 1.02 m

SW functions included:

- Stop on the sheet overlap to avoid waste sheets.
- Zero overlap option allows processing of higher thickness substrates.
- Automatic detection of pressure and temperature drop prevents irregularity in lamination quality.
- The "end of job" function makes it easy to rewind the sheet onto the film reel.
- Job settings memory.
- Built-in internet connection for providing service support.
- Sensor for sheet separation detection and jam detection.
- Intuitive control panel with built-in diagnostics for key fault conditions and troubleshooting instructions.

BASIC CONFIGURATION

Feeder

- Feeding head with a set of separating air nozzles and mechanical separators.
- Adjustable guide plates for processing thin sheets.
- Overlap sensor to protect the pressure roller from sticking film in case of a gap between sheets.

Laminating unit

- Adjustable laminating unit spacers allow processing of thick sheets and window lamination.
- Two laterally adjustable expansion unwind shafts with adjustable brake for film tension on the spread roller.
- A pair of height-adjustable and removable spread rollers perfectly smooth and tension the film before applying it to the printed material.
- IR heating of the laminating rollers, controlled by a temperature sensor in the cylinder wall, allows precise temperature control.
- The laminating units are equipped with rubber coated pressure rollers.
- The powerful pneumatic pressure system guarantees even pressure and perfect lamination results.

Separator & delivery

- Decurling unit consisting of bar and roller with position control to move the snapping moment automatically when the position of decurler is changed.
- Built-in film perforator for top side lamination and on-roll perforator for bottom side lamination.
- The cam driven separating roller with adjustable bursting action is complemented by an automatically cycling skew wheel and together they ensure a clean separation of the two laminating films.
- Fixed inclined delivery table with adjustable air nozzles.
- Control system with advanced built-in functions, colour touch screen display complemented by a set of hardware buttons according to the relevant standards.

OPTIONS

- Top and bottom preheating of sheets prior to lamination to increase adhesion and print durability.
- Extended life polyurethane pressure roller.
- Teflon pressure roller with non-stick surface prevents double-sided printing or foil sticking to the surface of the roller. It also significantly reduces the need for cleaning.
- Film slitter for top or bottom lamination.
- Additional on-roll perforator.
- Accessories for applying effect film with the possibility of applying PSA laminate.
- 1" unwinding shaft for effect foils.
- Autopilot that monitors sheet and film capacity on the machine. Practical solution especially in plants, where one operator works on several machines.
- Anti-static bar removes static charge from the separator and prevents thin sheets wrapping around the separating roller.
- The air ionizer helps to unload sheets smoothly onto the delivery unit without static charge.
- Jogging table.
- Automatic sheet stacker.
- Roll lift - allows easy handling of spare rolls of laminating film.