

Finished with passion

TYPICAL CUSTOMER / APPLICATIONS

- Small to medium sized printing houses with a significant presence of digitally printed jobs.
- The high degree of automation and control of the lamination process makes it suitable for operations with established low service levels.
- The most common applications include hardcover and paperback book covers, commercial prints, smaller folding boxes with windows, and other promotional prints.

KEY FEATURES

- High level of reliability and protection of production quality through the use of advanced built-in features.
- Superior range of machine use thanks to a comprehensive range of accessories.
- Space-saving footprint in terms of compactness and mobility, while maintaining good access for machine operation and maintenance.

EXTRAS

- Ability to process sheets of non-standard thickness.
- The machine can be ordered in version to process sheets up to 1016 mm long.
- Customized machine configuration provides window lamination capability.

WHY AMIGA 52 BY KOMFI?

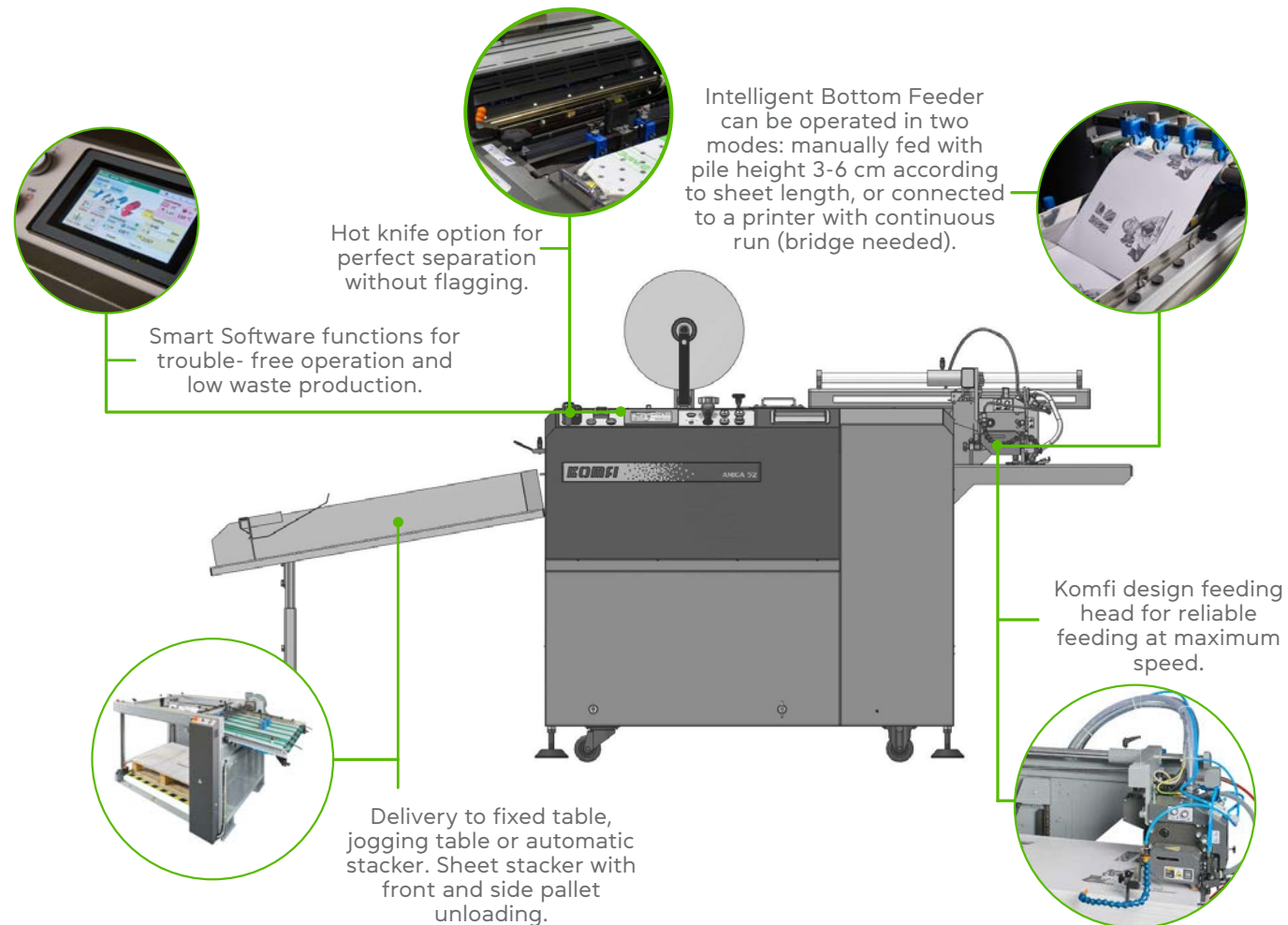
- The control system and advanced sensors continuously monitor key technological parameters and the lamination process itself, protecting the machine and production from damage, while minimizing the demands on the machine operator (e. g. Autopilot, sheet separation detection).
- The high precision of the sheet registration control system enables safe machine stop without damaging the sheet and trouble-free machine operation resume (pause function).
- Wide range of unique accessories for the widest possible application of the machine in all applications, including lamination of problematic digitally printed sheets (e. g. reverse air nozzles, sheet preheating and air ionizer).
- Comfortable automated machine control with minimized operator requirements (machine start in automatic sequence, de-curling unit position detection, auto-parking of the feeding head).

AMIGA 52 LAMINATOR



DESCRIPTION

- The design of an Amiga laminator meets all requirements for user friendly operation which makes the operator's work easy.
- Available in several configurations combining different types of feeders, processing units, separation ways and output delivery.
- Special versions in tandem configuration are available for double-sided lamination or embossing.



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: One-zone IR heater
Heat-up time: 3-5 minutes
Overlap accuracy: ± 0.8 mm
Dimensions (incl. delivery desk): 2.63 x 1.00 m

SW functions included:

- Stop on the sheet overlap to avoid waste sheets.
- Zero overlap possibility for processing thick substrates.
- Pressure and temperature drop detection to prevent irregularity in lamination quality.
- End of job function for easy rewind of film.
- Sensor for sheet separation detection and jam detection.
- Job settings memory.
- Built-in internet connectivity for service support.

BASIC CONFIGURATION

Feeder

- Komfi single action feeding head.
- Adjustable guide plates for thin sheets processing.
- Sheet overlap sensor to protect the pressure roller from the laminate adhesive sticking.
- Air compressor to ensure sufficient supply of compressed air and vacuum for sheet feeding and delivery.

Laminating unit

- Adjustable distance stoppers for lamination unit to enable processing thick substrates and windows lamination.
- Side-adjustable unwinding shaft with adjustable brake force.
- Height-adjustable and removable spread roller perfectly removes wrinkles from laminate.
- IR heating for laminating cylinder. Temperature sensor inside the cylinder for precise regulation.
- Rubber coated pressure roller.
- The powerful pneumatic pressure system guarantees even nip 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 to enable sheet separation.
- Cam-driven separation roller with adjustable tearing action, delivery roller and sheet skewing wheel.
- Fixed delivery desk with adjustable air nozzles.

OPTIONS

- The Intelligent Bottom feeder machine version for short runs allows sheets to be laden on-fly. It can be used in two modes: as a manually fed bottom suction feeder or connected into a line with a printer for continuous run.
- Sheet preheater to increase durability and adhesion of lamination.
- Polyurethane pressure roller for longer roller life.
- Teflon pressure roller with non-sticking surface to reduce film or duplex print marking.
- Film slit to cut the laminate on requested width.
- Additional On roll perforator.
- Effect foiling device with possibility to apply PSA film too.
- 1" unwinding shaft for effect films.
- Autopilot to monitor and control supply of paper and film. Useful in workshops where one person operates more than one equipment.
- Hot knife option for perfect separation of thick, PET and Nylon films that eliminates flagging.
- Antistatic bar removes static charge from the separator and prevents from thin sheets wrapping onto the rollers.
- Air ionizer for smooth sheets unloading without static charge.
- Jogging table.
- Stacker.
- Roll lift for comfortable handling of laminating film rolls.