

Finished with passion

TYPICAL CUSTOMER / APPLICATIONS

- Small to medium offset printers (B2) + digital printers (B3, B2). Customers with a large number of different jobs.
- Book production, Photo-books, File folders, Postcards, Soft and Hard covers, Embossed covers,
- Book covers with flaps, Folding cartons, small packaging including window lamination, Brochures, Leaflets.
- High automation when running standardized jobs.
- For customers who want to stand out from competition.

KEY FEATURES

Operation with high level of automation & low sheet waste

- Automatic start up (pressure roller activation), with a single button press, makes the operation easy. At the same time, it prevents film from sticking to the roller.
- Low sheet waste due to advanced SW functions.
- Low demands for human interventions – machine monitors and controls itself to prevent damage of the sheets or the machine.
- Maximum economy when laminating large or small jobs.
- High precision sheet guidance and a powerful pneumatic pressure system guarantee excellent laminating and embossing results.

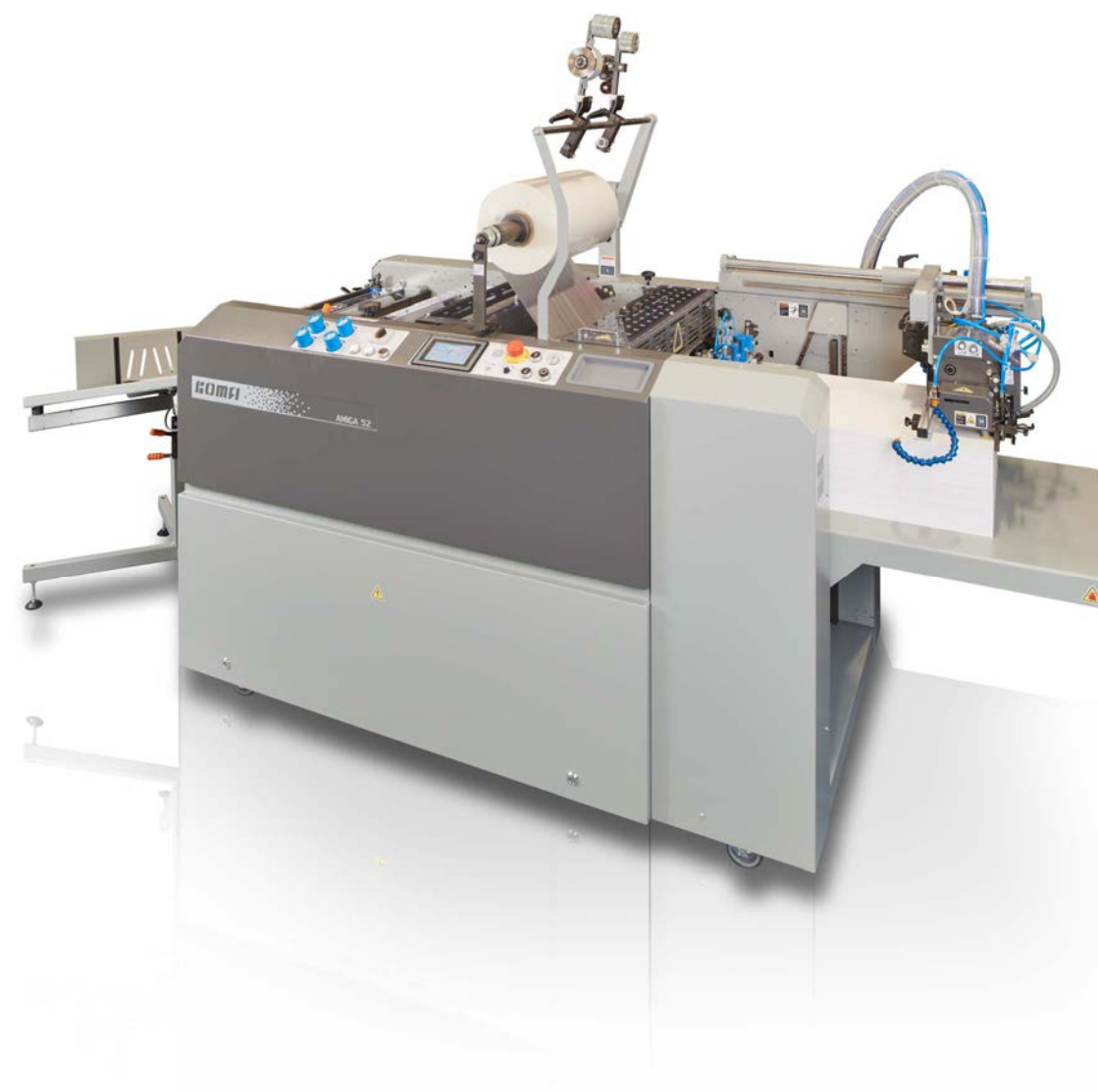
EXTRAS

- Able to process sheets up to 800 mm long, with customized modification even up to 1016 mm long sheets.
- Able to run 100-gram paper flat after lamination.
- Ability to set zero or minus overlap for running thick paper as well as normal overlap.
- Two ways of straightening sheets after lamination: a bar for perfectly straight output for thin papers and a roller, which prevents scratching the bottom side for sheets with duplex printing or double-sided glossy lamination.

WHY AMIGA 52 TANDEM EMOSS BY KOMFI?

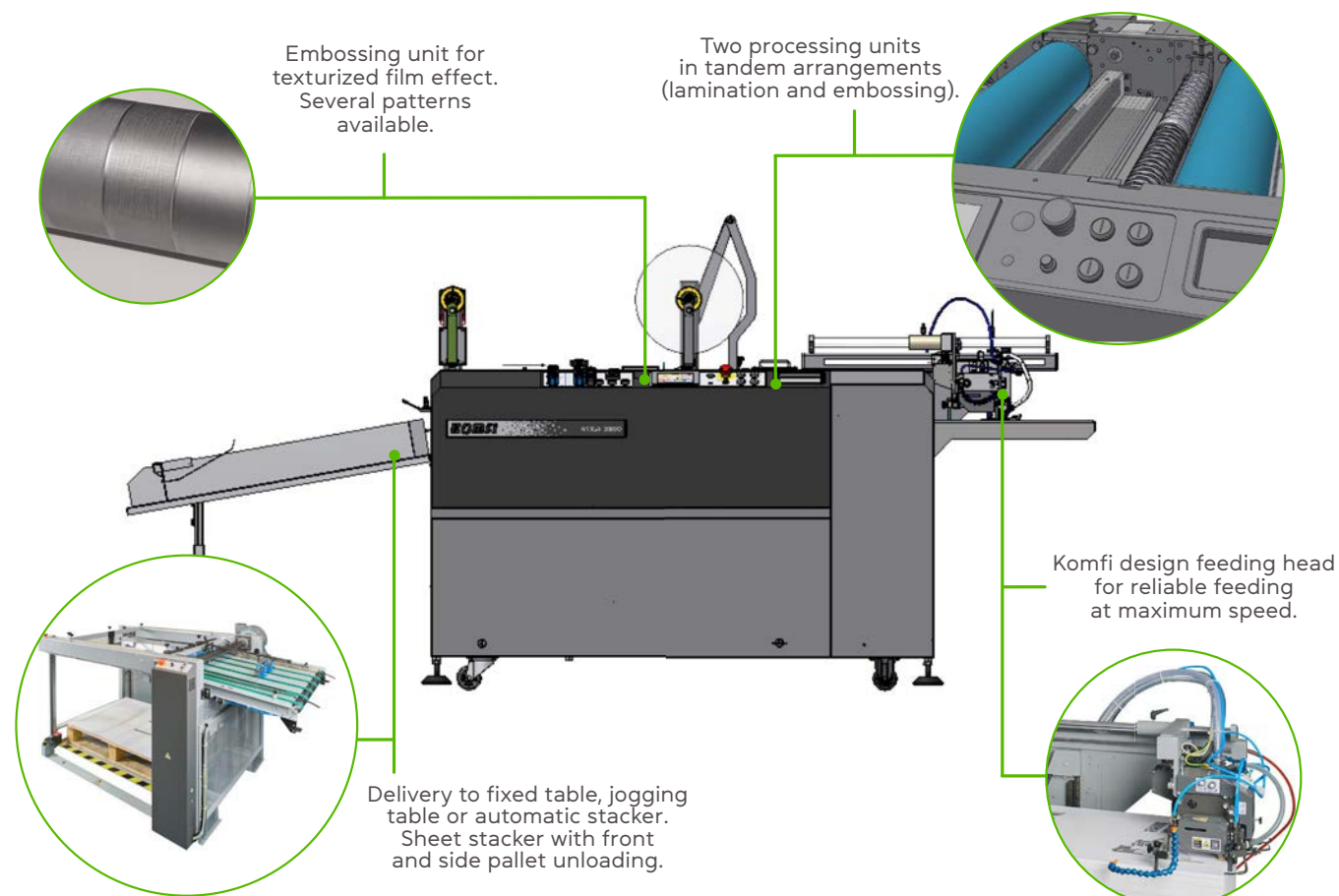
- Easy, one button press switches between standard lamination and embossing without the need to stop the machine.
- The flexibility for in-house personnel to swap the embossing roller for another pattern.
- Cooling during embossing to “freeze” the pattern and avoid pattern stretching.
- Quick Return On Investment and High Resale Value.

AMIGA 52 TANDEM EMOSS LAMINATOR



DESCRIPTION

- Amiga 52 Tandem Emboss comes out of the well-known and proven concept of the Amiga laminator. Thanks to modular design, the embossing module is in fact "inserted" between the laminating unit and separator of standard Amiga.
- The solution, with two processing units in a row, makes it easy to switch from standard single side lamination to embossing, which creates a special pattern on the laminated surface.
- Works reliably also for double sided lamination in two passes.
- Seven standard patterns available. Special patterns on demand only.
- First unit for lamination is always activated and works with IR heated cylinder. Second unit is activated only when embossing is needed. The pattern is created due to sheet preheating before the processing unit and high pressure of PUR roller pressed to the structured cylinder. The cooling of the embossing cylinder helps to "freeze" the pattern to the laminated substrate.



SW functions included:

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: ± 1 mm
Dimensions (incl. delivery desk): 3.07 x 1.13 m

- 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.
- Sheet overlap sensor for protection of pressure roller from film sticking in case of a miss-feed.
- Additional separation adjustable blowers for reliable separation of sheets from the pile.

Laminating unit

- Adjustable distance stoppers for lamination unit to enable processing thick substrates and windows lamination.
- Side adjustable unwind shaft for 3" reel core.
- Adjustable spread roll for perfect smoothing of difficult film before lamination roller.
- IR heating for laminating cylinder.
- Temperature sensor inside the cylinder for extremely precise regulation.
- Rubber coated pressure roller for laminating unit, PUR pressure roller for embossing unit.

Embossing unit

- Sheet preheater in front of the embossing roller to activate surface before embossing occurs.
- External cooling unit for embossing roller.
- Powerful pneumatic pressure system to ensure excellent laminating and embossing result.

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 perforator to enable sheet separation, placed behind pull rollers to avoid web brakes.
- Cam driven separation roller.
- Skewing wheel for fine adjustment of snapping to avoid film flagging.
- Adjustable speed of snapping roller for perfect separation of difficult jobs.
- Fixed delivery desk.

OPTIONS

- Sheet preheater for lamination to increase durability and adhesion of lamination.
- PUR pressure roller (for laminating unit) for longer roller life.
- Teflon pressure roller (for laminating unit) with non-sticking surface to reduce film or duplex print marking on the roller surface and minimize cleaning effort.
- Film slitter to cut film to the requested width.
- Additional On roll perforator.
- Effect foiling device with possibility to apply PSA film too.
- 1" unwinding shaft for effect foiling.
- Autopilot to monitor and control supply of paper and film. Useful in workshops where one person operates more than one equipment.
- Antistatic bar removes static charge from the separator to avoid thin sheets wrapping onto the rollers.
- Air ionizer for smooth sheets unloading without static charge.
- Automatic (pneumatic) skew wheel enables 3 modes of work and therefore increases reliability of separation when processing wide range of jobs. Good to use for long sheets. Setting is from touch screen, not manually.
- Jogging table.
- Stacker.