

*Finished with passion*

## TYPICAL CUSTOMER / APPLICATIONS

- B2 Offset / digital printer, B1 Printer with limited space.
- Commercial printing /packaging industry / high volume digital printers.
- Wide range of applications: soft cover, hard cover (135g/m<sup>2</sup>) wing folders, packaging material for boxes.
- Processing millions of sheets per year.
- Price effective for long and short runs.

## KEY FEATURES

- High productivity and time saving work in B2 format.
- Semi-autonomous work possible
- Pallet-to-pallet production.
- Space-saving footprint.
- Fast make ready time, high speed, min waste sheets.
- Complete input-output monitoring.
- Automatic startup.
- Airshaft for fast film positioning.
- Fine side adjustment of film position during run.
- Front lay register.

## EXTRAS

- Energy saving heating system - save up to 40%.
- Reliable thin paper processing of sheets, able to run substrates outside the declared parameters range.
- Precise and constant overlap for jobs with print area close to edge.
- Minus overlap for processing thick sheets or cardboards.

## WHY DELTA 56 BY KOMFI?

- Highest level of automation.
- Durable for many million copies with minimum of maintenance costs.
- Ready for any type of print job.
- Long lifetime.
- High resell value.
- Save labor costs by processing with occasional operator control.

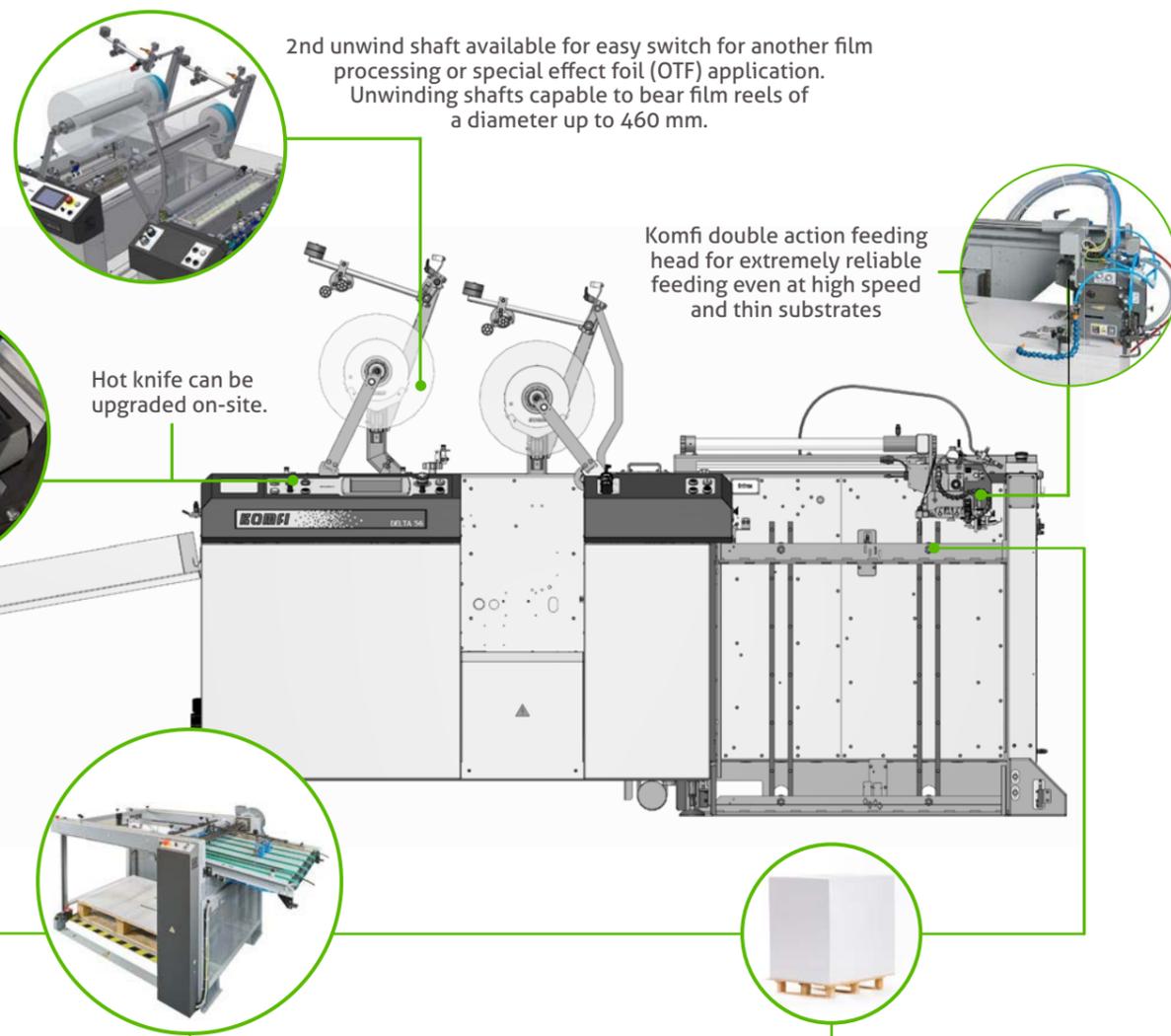
# DELTA 56

## LAMINATOR



## DESCRIPTION

- The Delta 56 is a future-oriented machine for every print run. Regardless of whether offset printing or digital printing, thick or thin substrates - the machine can grow with your business.
- The long-term reliability and low maintenance costs will pay off. This has been proven by several generations of Delta model, which have been on the market for 25 years.
- Qualified for 24/7 operation. High lamination speed for all kinds of jobs.



### SW functions included:

- Stop on the sheet overlap to avoid waste sheets.
- Zero or minus overlap possibility for processing thick substrates.
- Manual paper loading function for smaller quantities with automatic down movement of feeding table in ergonomical position.
- Automatic pressure and temperature detection to prevent irregularity in lamination quality.
- End of job function for easy rewind of film with the last laminated sheets
- Sensor for sheet separation detection and jam detection.
- Job settings memory.
- Built-in internet connectivity for service support.

### Technical specifications

**Max. production speed:** 40 m/min  
**Max. sheet size:** 560 x 800 mm  
**Min. sheet size:** 297 x 220 mm  
**Paper weight:** 115-600 gsm  
**Max. paper pile height:** 850 mm  
**Laminating roller heating:** Multi-zone electrical  
**Heat-up time:** approx. 3 minutes  
**Overlap accuracy:** 0.7 mm  
**Dimensions (incl. delivery desk):** 2.74 x 1.22 m

## BASIC CONFIGURATION

### Feeder

- Feeding table with pallet loading possibility from 2 sides. Able to process paper stack loaded with or without overhang from the pallet.
- Laser marker guide for smooth pallet loading into the machine.
- Comfortable automatic down movement of feeding table with double click. Feeder is equipped with light barrier for operator's safety.
- Komfi double action feeding head for extremely reliable feeding even at high speed and thin substrates.
- Adjustable separation blowers for reliable separation of sheets from the pile and trouble-free loading of long sheets.
- Automatic and precise sheet overlap control with front lay register.

### Laminating unit

- Energy saving zone heating system. You will appreciate especially when running different sheet formats.
- Temperature sensors inside the cylinder for extremely precise regulation.
- Polyurethane pressure roller for longer roller life.
- Adjustable device for distancing lamination roller to enable processing thick substrates and windows lamination.
- Adjustable spread roller for perfect smoothing of difficult film before lamination roller.
- Inlet air pressure decrease sensor to ensure constant quality results.
- Airshaft for film unwinding with side fine adjustment during operation.
- Pneumatic brake for film tension on unwind shaft.
- Powerful pneumatic pressure system to ensure excellent laminating results.

### Separator & delivery

- Combined switchable de-curling unit (bar and roller) for all kind of difficult substrates.
- Automatic sheet separation using built-in perforator. Pneumatic snapping unit is electronically controlled with higher comfort of operation.
- Adjustable speed of snapping roller for perfect separation of difficult jobs.
- Automatic (pneumatic) skew wheel enables 3 modes of work and therefore increases reliability of separation when processing wide range of jobs.
- Sheet jam detector prevents damages from paper jams.
- Fixed delivery desk.

## OPTIONS

- Film slitter to cut film to the requested width.
- Additional On roll perforator.
- Teflon pressure roller with non-sticking surface.
- Second airshaft for preparation of new film without interruption. This position on the machine can be equipped with standard airshaft, or with combined shaft which has also a rewinding function in case of effect foiling.
- Effect foiling device (OTF) - built in or stand alone for upgrade. Available also in 1" size.
- PSA bar for pressure sensitive adhesive films processing
- Autopilot enables to leave the machine partly unattended. The machine checks the amount of film remaining on the reel and signalize when the volume is low. It also reads the table height and signalize when the stack is low.
- Automatic film brake reads the amount of film on the reel with help of ultrasonic sensor and brakes the reel accordingly to keep the required tension.
- Rotary knives for separation without perforating.
- Hot knife for clean separation where no flagging is acceptable for next operations.
- 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.
- Jogging table.
- Sheet stacker (pallet stacking).
- Film roll lift for easy handling with laminates.