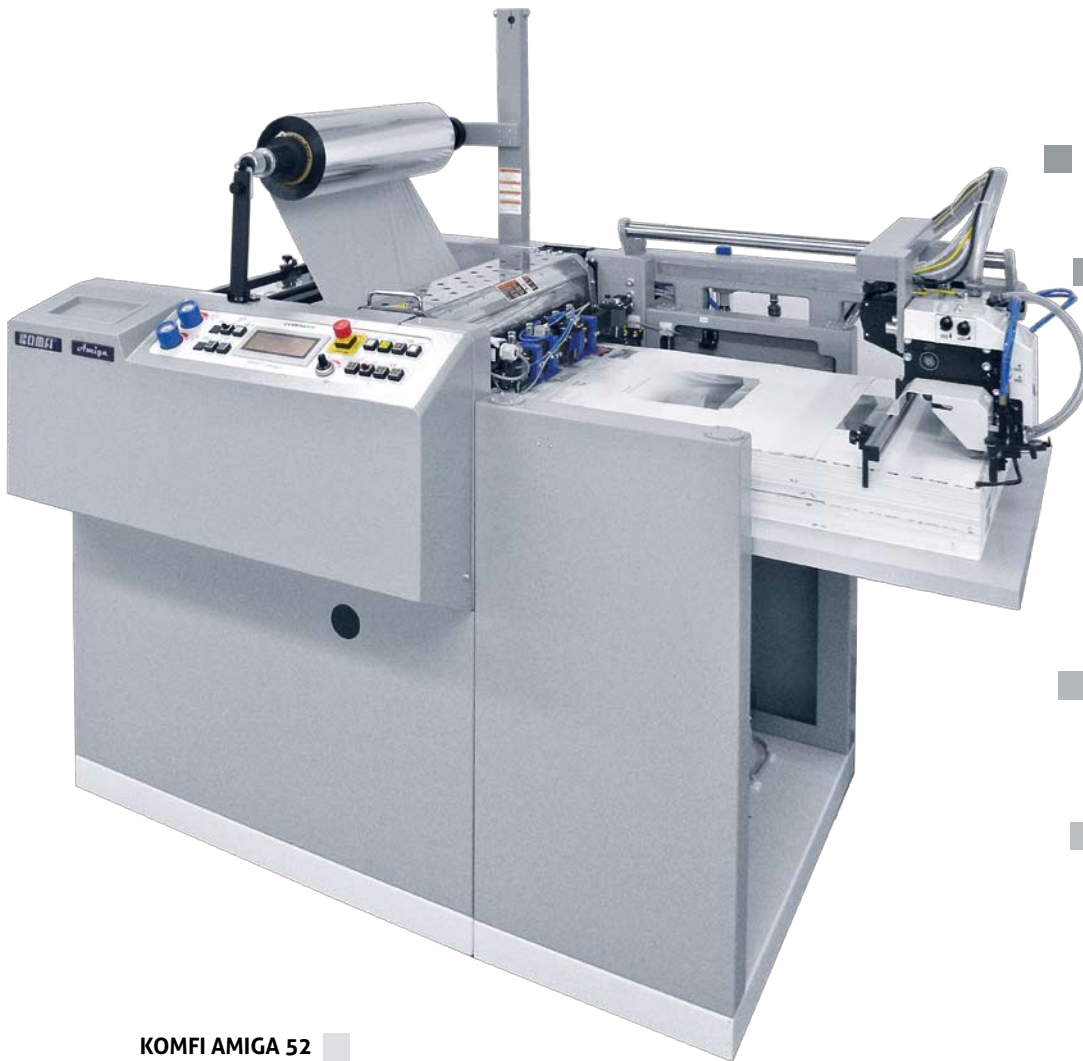


# AMIGA 52

## LAMINATING MACHINE

**KOMFI**<sup>®</sup>  
ALL ABOUT MACHINES



**KOMFI AMIGA 52**

- LAMINATOR FOR PROCESSING ORDERS UP TO B2 SHEET FORMAT
- TWO OPTIONS OF AUTOMATIC FEEDING: BOTTOM SUCTION FEEDER OR KOMFI FEEDING HEAD
- LAMINATING CYLINDER HEATED BY IR HEATER
- UNLOADING OPTIONS: FIXED ADJUSTABLE TABLE, JOGGING TABLE, BUILT-IN STACKER
- SUITABLE FOR DIGITALLY PRINTED OUTPUT
- FLEXIBLE SOLUTION FOR PROCESSING OF SMALL AS WELL AS MIDDLE-VOLUME JOBS
- OUTPUT: 4300 A4 SHEETS/HOUR (BOTTOM SUCTION WHEEL), 5 700 A4 SHEETS/HOUR (FEEDING HEAD)
- SPECIAL FUNCTIONS TO PROTECT DIGITAL PRINTS AGAINST DAMAGE
- MACHINE FUNCTION TO FACILITATE LAMINATION OF SHEETS IN RANGE 350-600 g/m<sup>2</sup>



Komfi-design feeding head



Bottom suction feeder



Built-in stacker

## BASIC CONFIGURATION

- Automatic bottom suction feeder with possibility of adding the sheets continuously
- Automatic sheet overlap control
- Laminating cylinder heated by IR heater
- NBR rubber pressure roll
- Automatic sheet separation using built-in perforator
- Combined decurling unit (bar and roller)
- Electronically controlled snapping unit
- Tilting unloading table



KOMFI AMIGA 52

### Options

- Komfi feeding head
- Film slitter
- Additional perforator (on film reel)
- Polyurethan pressure roller
- Pressure roller with a special non-stick surface finishing
- Machine modification for embossing (incl. 1 embossing roller)\*
- Jogger table
- Antistatic bar
- Automatic Amiga built-in stacker
- Film loading equipment
- Pallet and film loading equipment
- External embossing equipment
- External stacking frame
- Preventive Maintenance Spare parts Kit

## TECHNICAL DESCRIPTION

### Feeding section

- Two feeding options available – bottom suction feeder or Komfi feeding head
- Bottom suction feeder enables continuous adding of sheets during machine run
- Komfi feeding head → trouble-free sheet feeding up to 20 m/min.
- System of guiding plates strengthens thin paper before lamination → prevents from wrinkling
- Sheet misfeed sensor → protects against film sticking to the pressure roll

### Lamination section

- The side adjustable film unwinding shaft with a mechanical brake; a spread roll prevents folds on the film
- The laminating cylinder is heated by IR heater
- Advanced PID temperature regulation
- The sheet overlap electronically adjustable even during machine run → easy to operate and precise solution
- Key operation parameters are entered via a touch screen → fast and comfortable
- Pneumatic pressure system with independently adjustable pressure on both sides
- Air cooling of counter pressure roll → to be used with digital prints

### Snapping and stacking section

- Built-in both roller and bar for perfect sheets decurling without surface scratching
- Separation of sheets done by snapping roll with adjustable speed of rotation; built-in perforator and skewing wheel → reliable and accurate solution
- Built-in film perforator is located behind the pull roll

Max. speed of lamination:	20 m/min
Min. sheet dimensions:	20 x 20 cm
Max. sheet dimensions:	52 x 74 cm
Paper weight:	115-600 g/m <sup>2</sup>
Thickness of laminating film:	24-50 µm
Kind of laminating film:	OPP, PET, Nylon
Time of laminating roll warm up (25±100 °C):	approx. 3,5 min
Sheet overlap accuracy (at constant laminating speed):	±1 mm
Machine dimensions incl. table / stacker (L x W x H):	242 x 117 x 157 cm / 245 x 117 x 157 cm

The technical parameters may change without prior notice. Find more details about the product and its technical parameters on [www.komfi.cz](http://www.komfi.cz).

### Custom-built solution

- \*Machine Amiga 52 with modification for embossing (solution with replaceable laminating cylinder) is custom-built only. The technical parameters can differ from standard configuration.
- Possibility of individual machine modification based on specific requirements

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