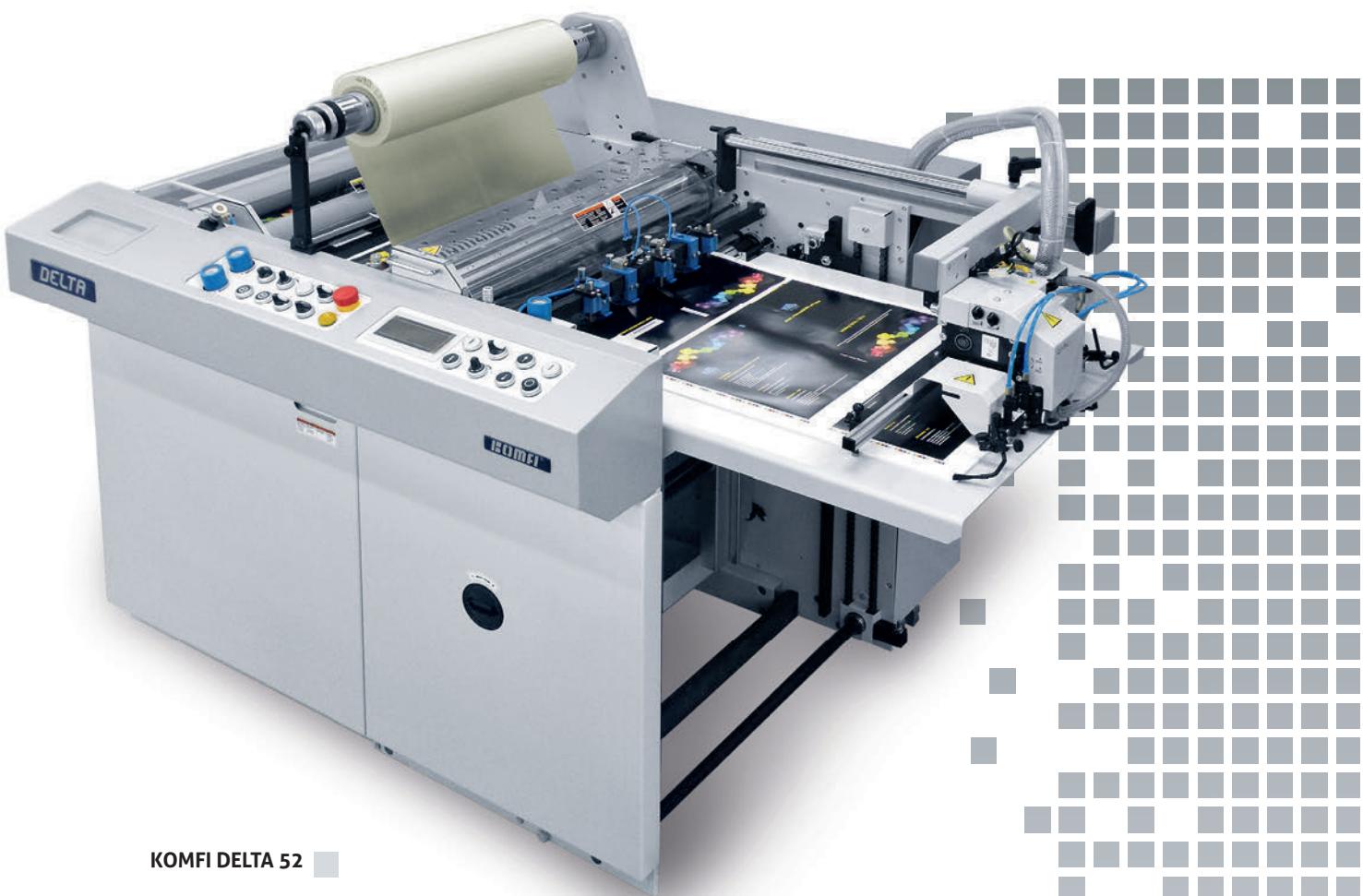


# DELTA 3052

## LAMINATING MACHINE



**KOMFI DELTA 52**

- LAMINATOR FOR PROCESSING ORDERS UP TO B2 SHEET FORMAT @ 35M/MIN
- ROBUST AND RELIABLE SOLUTION FOR ON-DEMAND AND COMMERCIAL LAMINATION
- AUTOMATIC SHEET FEEDING VIA KOMFI DESIGNED FEEDING HEAD
- LAMINATING CYLINDER HEATED BY 3-ZONES ELECTRO-RESISTANCE HEATING SYSTEM
- AUTOMATIC SHEET SEPARATION USING BUILT-IN PERFORATOR
- APPLICATION: MEDIUM TO HIGH VOLUME JOBS
- SUITABLE FOR NON-STOP PRODUCTION
- SPECIAL FUNCTIONS TO PROTECT PRINTED SHEETS AGAINST DAMAGE
- MACHINE FUNCTION TO FACILITATE LAMINATION OF SHEETS IN RANGE 350-600 g/m<sup>2</sup>



Komfi-design feeding head



Airshaft



Automatic stacker



## BASIC CONFIGURATION

- Automatic feeder with fixed lifting table
- Single action Komfi feeding head
- Automatic sheet overlap control
- Laminating cylinder heated by 3-zones electro-resistance heater
- Polyurethane pressure roller
- Airshaft for film unwinding
- Combined decurling unit (bar and roller)
- Electronically controlled snapping unit
- Snapping unit is controlled pneumatically
- Fixed adjustable unloading table

### Options

<ul style="list-style-type: none"> <li>■ Film slitter</li> <li>■ Additional perforator (on film reel)</li> <li>■ Vibrating knives</li> <li>■ Jogger table</li> <li>■ Antistatic bar</li> </ul>	<ul style="list-style-type: none"> <li>■ Automatic stacker (stacking onto pallet)</li> <li>■ External embossing equipment</li> <li>■ Film loading equipment</li> <li>■ Preventive Maintenance Spare parts Kit</li> </ul>
--	--

## TECHNICAL DESCRIPTION

### Feeding section

- Automatic sheet feeding using Komfi-designed feeding head for accurate single sheet feeding
- 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 airshaft with a mechanical brake for a smooth film unwind
- Film spread roller prevents folds
- The laminating cylinder is dry-heated (electro-resistance heating)
- Advanced three zones PID temperature regulation
- The sheet overlap is adjustable electronically 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

### Snapping and stacking section

- Built-in both roller and bar for a perfect sheets decurling without surface damaging
- Separation of sheets done by snapping roll with adjustable speed of rotation and speed of vertical movement; built-in perforator (vibrating knives) and skewing wheel → reliable and accurate solution.

Max. speed of lamination:	35 m/min
Monthly production capacity:	suitable for non-stop run
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 min.
Sheet overlap accuracy (at constant laminating speed):	±1 mm
Machine dimensions incl. table / stacker (L x W x H):	260 x 123 x 143 cm / 343 x 123 x 143 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

- Possibility of individual machine modification based on specific requirements

**1800 422 349**

**ebusiness@smartech-aust.com**

**www.smartech-aust.com**