

EMBOSSING PRESS

For blind, foil and relief embossing of hard,
flexible and plastic covers

Embossing press PE 312 • 10 – 80 embossings/min

PE 312
80 embossings
/min



Technical data



KOLBUS Embossing press PE 312

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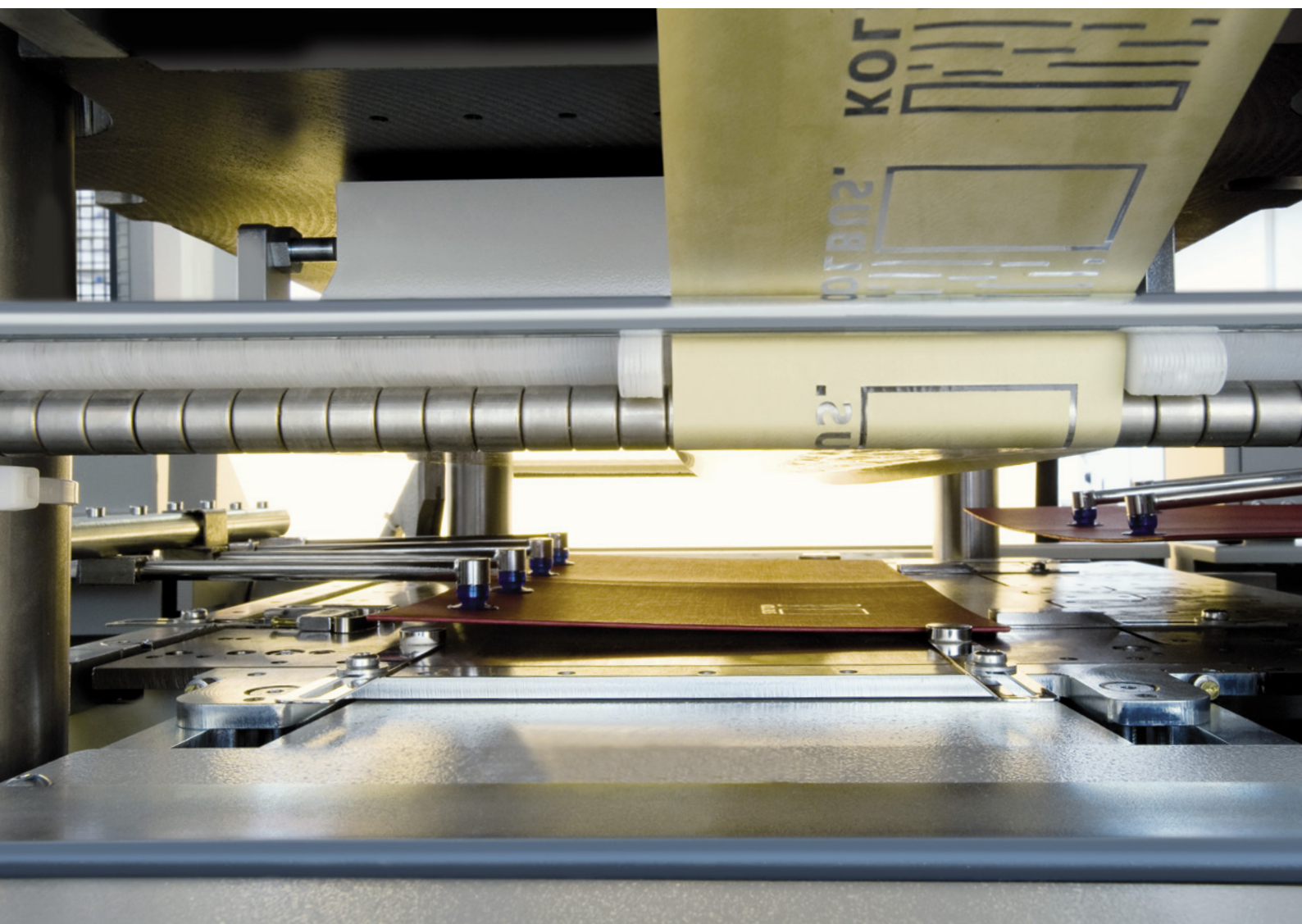
Equipment variations

Standard equipment

- Copilot system with touchscreen
 - Choice of production mode
 - Operator guided changes of the production mode
 - Product counter (job, shift and start/stop counter)
 - Indication of machine and material flow malfunctions
 - Operator guided malfunction elimination
- Case pre-stacking conveyor (shingled stream feeding)
- Case bending machine DBA
- Case feeding swivellable by 90° (depending on format)
- Foil feeder with two step motor controlled foil feed rollers
- Adjustable foil feeding speed
- Pre-roller
- Foil clearing device
- Motor driven embossing head adjustment (max. 70 mm)
- Divided embossing tabletop
- Correction guides for precise register
- Thermostatically controlled heater for embossing head with timer for preheating
- Light barriers and vacuum control for monitoring
- the work flow
- Straight delivery conveyor with delivery table incl. adjustable shingled stream distance
- Automatic case counter
- Automatic central lubrication system
- Control and drive technology based on Siemens SIMOTION D
- Smart Line Module for energetic recovery of operating power in the line network
- Safety standard according to CE directives and specifications

Optional equipment

- Matrix plate
 - Note: we recommend to use two matrix plates.
 - 1 matrix plate for the embossing dies to be glued on
 - 1 matrix plate with register corresponding drill holes for a screw fitting of the embossing dies
- Case preparing equipment outside of the machine for a shorter make-ready time
 - 1 additional divided embossing tabletop for case alignment outside of the machine
 - Note: For optimum make-ready times we recommend to have at least 1 additional matrix plate.
- 3rd step motor controlled foil feed roller for the 1st foil feeder
- 2nd foil feeder with two step motor controlled foil feed rollers
- 3rd step motor operated foil feed roller for the 2nd foil feeder
- Movable counter-stacker delivery (max. stacking height 100 mm)
 - Size range opened case: max. 450 x 390 mm
 - The customer has to provide:
 - Compressed air requirement 1 Nm³/h
 - Factory line pressure 6 bar
- Alternative equipment:
 - The counter stacker delivery has to be equipped with one of the following alternatives: Counter stacker delivery to the left-hand side or to the right-hand side with roller conveyor, incl. table
- Optional equipment for the counter stacker delivery:
 - Roller curve and 1,500 mm roller conveyor
- Extended dwell time function
 - (It is possible to choose a setting from 0.5 – 10 s, resulting in a cycle reduction down)
- Device for multiple embossing (on same spot on product)
- Cycled feeding for optimized foil use
- Accelerating roll and guide plates for processing piles on the case pre-stacking conveyor
- Electrical connection for power supply and control of an upstream conveyor
- Electrical connection for power supply and control of an downstream conveyor
- Remote Service Gateway / Coupling with model RSG 702



Technical data

Size range opened case (hardcover)

Width x height

min. 155 x 100 mm | max. 660 x 405 mm

Size range opened case (flexible covers)

Width x height

min. 135 x 100 mm | max. 400 x 300 mm

Case pre-stacking conveyor

Width: min. 155 mm

Pressure surface

Width x height

max. 460 x 355 mm

Embossing head height adjustment

max. 70 mm

Pressure

max. 350 kN

Temperature range

0 – 250 °C

Mechanical speed

10 – 80 embossings/min

Net production is subject to sizes and materials

The customer has to provide:

Compressed air requirement

1 Nm³/h (hardcover),
up to 6 Nm³/h (flexible covers)

Factory line pressure

6 bar

Compressed air supply

see extra sheet

Machine dimensions

Length 5,690 mm

Width 1,920 mm

Height 2,000 mm

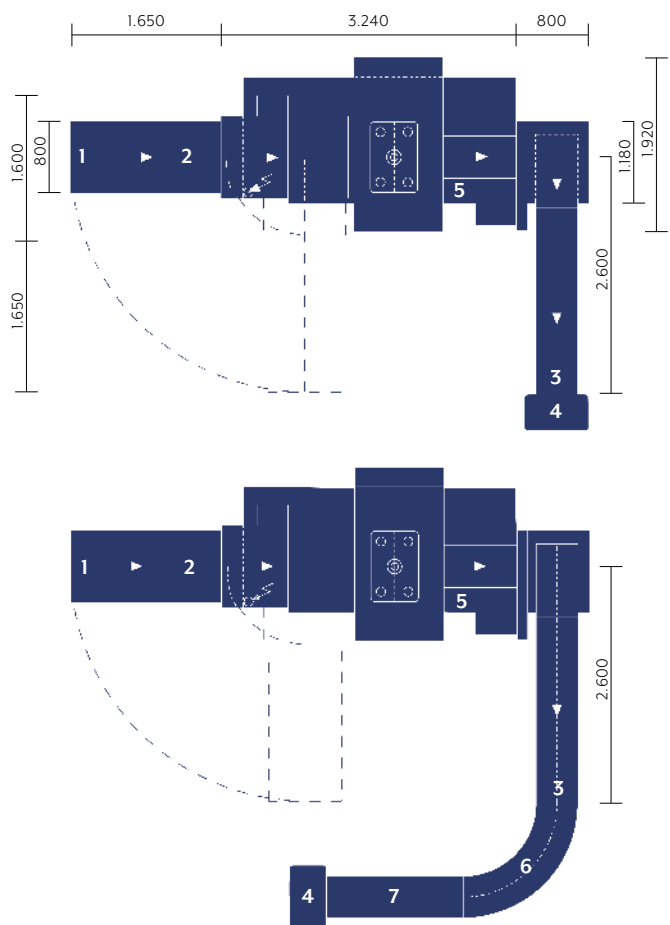
Weight

5,500 kg

Electrical equipment

L 3 phases, 400 volt/N/PE, 50 cycles

Footprint embossing press PE 312



1 Infeed height ca. 1,100 mm

2 Pre-stacking conveyor

3 Delivery height 800 mm

4 Table

5 Connection compressed-air

6 90° roller curve

7 Extended delivery