

Embossing Presses PE/PF

PE 70

The robust and versatile automatic machine with a capacity of up to 70 cycles/min. for all kinds of embossing with metal and coloured foils, e.g. on book cases, cardboard, leather, PVC etc. Blind, high-relief and deep embossing.

1. Mode of operation

- 1.1 Continuous stack feeding from above into a hopper. Pusher bars push the lowermost piece onto conveyor belts, which transport it to a stop, where it is picked up by the infeed suction arm and laid on the embossing table.
- 1.2 Register blocks which close before the embossing process, align the material to be embossed at exactly the correct angle, thus ensuring embossing in perfect register.
- 1.3 The gap between the embossing plate and the table surface can be adjusted up to max. 55 mm by means of a motor, according to the height of the die or tools and the thickness of the embossing material.
- 1.4 The length of the foil feed is quickly adjusted by simply turning a spindle.
- 1.5 A foil clearing device prevents the embossed foil from sticking to the die after the embossing stroke while

simultaneously acting as a foil guide.

- 1.6 A second suction arm picks up the embossed material and places it on the delivery conveyor. The stream delivery allows for good visual control.

2. Technical Details

- 2.1 Robust construction with embossing pressure distributed over four columns insures equal distribution of even maximum pressures.
- 2.2 The standard (with one pair of pull rollers) foil feeding and rewinding device can be mounted in the direction of work flow or at right angles depending upon requirements. A second device can be added for economical cross foil feeding.
- 2.3 For alignment work etc. the embossing plate is drawn laterally from the machine, lifted up and fastened in position for safety. In the case of lateral foil feed the foil feed is swung away.
- 2.4 The second embossing plate for exchange is supplied as standard equipment.
- 2.5 A thermostat ensures exact temperature in the embossing plate.
- 2.6 Safety contacts for controlling the entire process.

- 2.7 Centralized lubrication for easy maintenance.

- 2.8 Infinitely variable drive with brake motor.

3. Optional Extras

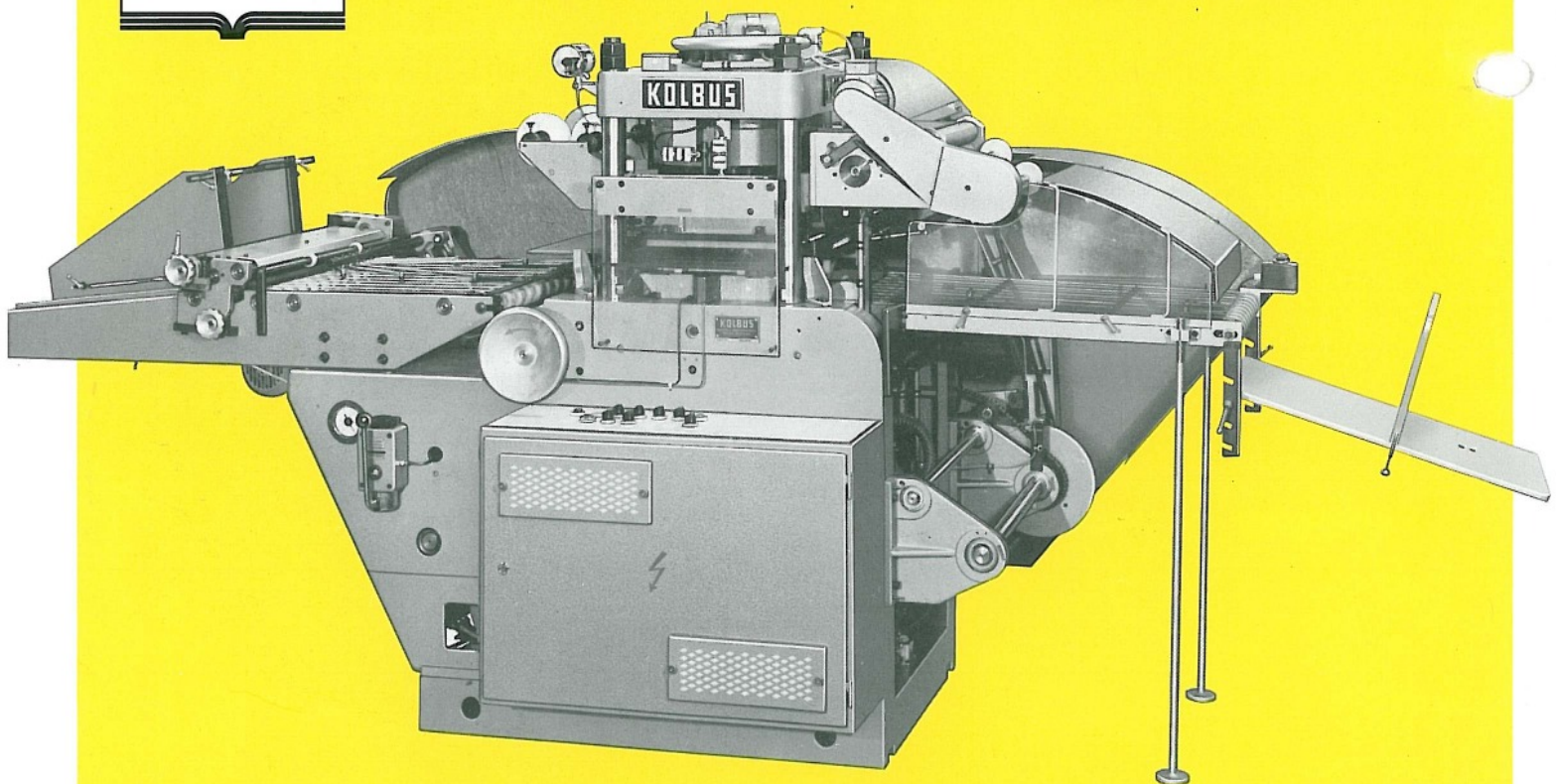
- 3.1 Pre-stacking, hopper loading conveyor with control and separate drive for increasing the material supply and automatic feeding into the hopper.
- 3.2 Case bender DBA integrated into the embossing process to avoid "case bending" as a separate process.
- 3.3 Pairs of foil feed rollers (max. 2 additional pairs). This enables a maximum of three embossings to be made at once with separate foil feeds.
- 3.4 Second foil feeder, with which the foil can be fed through the machine alternately for simultaneously lengthwise and sideways. This means minimal foil consumption (e.g. in the case of stencil embossing) and reduced setting-up times.
- 3.5 Delivery belt to the right (standard straight delivery).
- 3.6 Special feeder for folding boxes and flexible cases, made individual specifications.

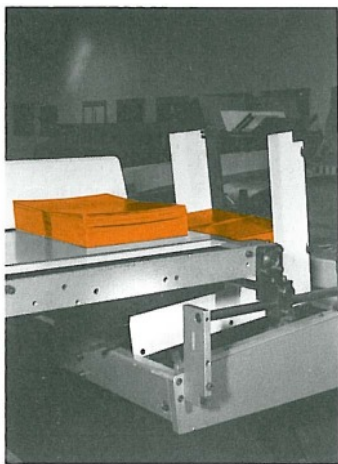


Advantages:

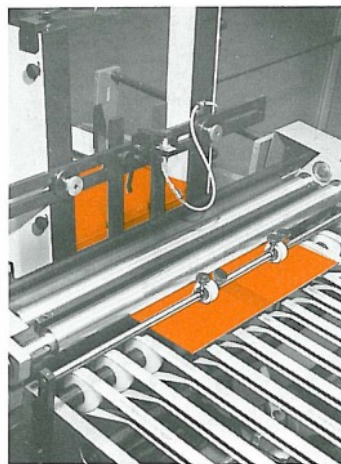
- Robust four column construction
- Foil economy through the possibility of lengthwise or crosswise foil feed

- Perfect register system
- Variety of embossing material
- Many-sided and economical combination possibilities

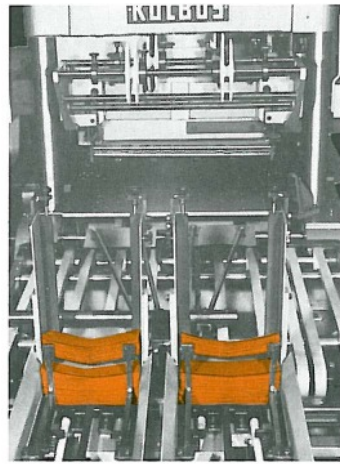




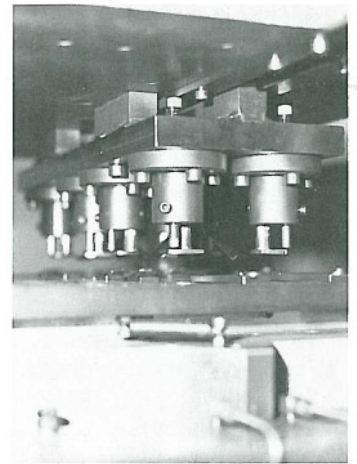
Pre-stacking conveyor



Case bender DBA



Two at once

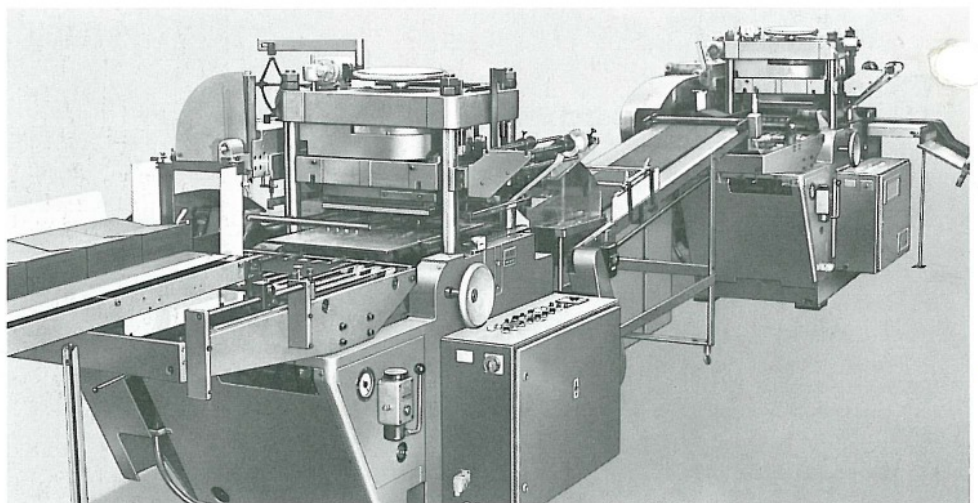


Corner turning-in tools

Technical Data PE/PF ⁽³¹⁾		PE 70 Fully automatic	PE-PE 70 (Tandem)	PE 48 Fully automatic (also as Tandem)	PF Semi-automatic
Size range	max.	660x405 mm 26x16"	660x405 mm 26x16"	660x405 mm 26x16"	700x405 mm 27 1/2x16"
	min.	170x100 mm 6 11/16x4"	170x100 mm 6 11/16x4"	170x100 mm 6 11/16x4"	50x50 mm 2x2"
Output		30-70 embossings/min.	30-70 embossings/min.	20-48 embossings/min.	18-25 embossings/min.
Impression area		420x355 mm 16 1/2x14"	420x355 mm 16 1/2x14"	420x355 mm 16 1/2x14"	420x355 mm 16 1/2x14"
Pressure	max.	35 t	35 t	35 t	40 t
	Embossing head height adjustment	max. 55 mm	55 mm	55 mm	55 mm
Structural length		3900 mm 12'10"	6500 mm 21'4"	3900 mm 12'10"	1950 mm 6'5"
Structural width		1720 mm 5' 8"	2000 mm 6'7"	1720 mm 5' 8"	1500 mm 5'
Structural height		1700 mm 5' 7"	1700 mm 5'7"	1700 mm 5' 7"	1700 mm 5'7"
Weight		2995 kg	2x2995 kg	2995 kg	2500 kg
Floor Loading		31200 N/m ²	31200 N/m ²	31200 N/m ²	26000 N/m ²
Total connected load including heater		9,4 kW	14,3 kW	9,4 kW	7 kW
heater (separate)		4 kW	8 kW	4 kW	3,1 kW
Inking unit		no	no	yes	yes

PE Link-ups

For multiple embossings in a single pass. Depending upon individual requirements a PE can be linked to another PE or a number of other PE machines. This economical version with a conveyor between the machines provides the possibility of using the machines individually or linked together. When the book cases are transported from the delivery belt to the infeed hopper by the linking conveyor the maximum case size is limited to 450x405 mm, 17 3/4x16".



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