SPRINTERA 106-PER Autoplaten® press

Automatic die cutter for paper and carton converting

Standard equipment

MACHINE

- Platform with safety barrier.
- Bobst-Electronic machine operating system C.U.B.E. (CONTROL UNIT BOBST ELECTRONIC).
- JOB CARD system for saving the data for repetitive jobs on microchip.
- Machine configured for BOBST VIEW system.
  Requires a laptop and a modem which are to be provided by the customer, or the option B-44 Data Management Unit.
- Centerline system for quick job changeover.
- Electronic device for sheet travel control.
- Main motor with frequency converter control.

FEEDER

- Manual non-stop device.
- Automatic lateral shifting of pile tray.
  Up to +/- 50 mm, with feedback from the POWER REGISTER.
- Synchronization of the sheets arrival.
  Automatic, with feedback from the POWER REGISTER.
- Continuous pile raising whilst maintaining a constant height for the top of the pile.
- Suction unit with multiple adjustments.
- Feeder enabling adaptation of Automatic Pile Transfer (APT).
- Alignment flap in 3 sections (the 2 external ones are adjustable in height).

FEED TABLE

- POWER REGISTER.
  Device ensuring registering without sheet edge contact : either in relation with the sheet edge or in relation with print register.
- Double sheet detection with automatic calibration.
- Upper transport equipment for paper, paperboard.
  and microflutes.
- Laterally guided transport belts.
  With lateral guidance and automatic tension system.

PLATEN PRESS

- Small stroke movable platen, controlled by a movement of the cams.
- Upper vacuum beam for the chase.
- Oil conditioning unit to ensure diecutting stability.
  With a programmable oil preheating system.
- Automatic equipment centering and locking for chase and supporting plate.
- Motorised cutting force setting.
- Adjustable centerings for supporting plate.
  Micrometric screws allow fine adjustment of the cutting plate with respect to the die. The total range for adjustment is +/- 0.7 mm both lengthwise and crosswise.

1 Set of 10 thin plates, thickness 1mm (E-95)

1 Steel perforated supporting plate, thickness 12 mm, adapted to vacuum system (E-57)

WASTE STRIPPING STATION

- Sheet braking device using the Bernoulli system.
- Central quick locking pull-out frame.
- Quick locking device for upper tool integrated in the machine.
- Adjustable centerings on all equipment (upper, central and lower).
- Dynamic blocking of upper tool in upper position.

1 Adaptation equipment for upper stripping die (quick locking) (F-35)
Allows wooden stripping form fastening in the upper quick locking device integrated in the machine.

1 Adaptation material for stripping board on the central pull-out frame (quick locking) (F-76)
Stripping board adaptation to mount it on the central pull-out frame (quick locking).

BLANK PILE DELIVERY STATION

- Automatic binder sheet inserter with electrical sheet presence control.
- Automatic selection of suction cups according to sheet size.
- Continuous pile lowering whilst maintaining a constant height of the pile.
- Automatic variable height non-stop rack.
- Waste or skeleton removal apron.
- Braking brush of the waste skeleton.
  Motorized.
- Automatic pallet changing device compatible with APT (Version 10).
- Automatic jogger length control.
- Sheet braking device using the Bernoulli system.
- Quick locking device for upper tool integrated in the machine.
- Adjustable centerings on all equipment (upper and lower).
- Dynamic blocking of upper tool in upper position.

1 Fastening material for an upper dedicated tool for quick lock (H-27)
To lock a wooden blanking tool with upper quick locking device integrated in the machine.

1 Universal lower tool (H-6)
Adjustable tooling including:
- the universal frame H-61,
- the material required to mount the blanking grid.

CONFORMITY TO STANDARDS AND SECURITY

- This Autoplaten Press® is in conformity with the European Directives for the Safety and Health requirements related to its design and construction, as well as with the American standards UL 508 and NFPA related to industrial equipment.
- Emergency stops.
- Operator safety devices.
- Gripper Bar Chain Slip Clutch.
- Gripper bar chain locking device.
- Handling of the diecutting equipment.

Available options

B MACHINE

1 B-44 Data Management Unit *Includes the BOBST VIEW Kit (this function requires a modem - to be supplied by the customer).*

1 B-91 Anti-static device for paper Including a blower and anti-static bars on the feeder.

1 B-54 APT special configuration (U at feeder)

C FEEDER

1 C-3 Automatic non-stop rack with half-automatic cycle and lateral shifting *The rack is inserted automatically into the pallet for the introduction of the new pile without interrupting the production*

1 C-9 Additional multidirectional lateral blowers

1 C-18 Identification of the first and last sheets in the pile
With automatic removal (except if using H-78).

1 C-82 Additions for the suction head

E PLATEN PRESS

2 E-3 Upper chase with quick locking : fixed bottom Plate Plate, thickness 2 mm and make-ready protection plate made of synthetic material, thickness 1mm.

1 E-98 Set of 10 thin hardened plates, thickness 1mm

F WASTE STRIPPING STATION

3 F-2 Upper pull-out frame

2 F-21 Upper stripping equipment
Equipment required to make a waste stripping tool, including the crossbars, clamps, stripper holders and stripping pins of 3, 5 and 10 mm diameter. *This equipment is mounted in the pull-out frame (F-2).*

3 F-8 Lower pull-out frame

2 F-81 Lower stripping equipment
Equipment for waste stripping including crossbars, pins and supports. *This equipment is mounted on the pull-out frame (F-8).*

1 F-60 Gripper bar locking at stripping station

H BLANK PILE DELIVERY STATION

2 H-5 Lower pull-out frame with fastening material
Allows for the fastening of a dedicated lower blanking or universal tool.

1 H-7 Special non-stop rack This rack is required for small boxes (less than 140 mm (5-1/2 ")) such as flip-top boxes.

1 H-76 Control of front trim removal

1 H-75 Control system of blanking *Includes 3 photocells.*

1 H-78 Full sheet delivery

M OFF PRESS PREPARATION

1 M-2 EASYTRANSFER device
For easy converting equipment handling and transfer from the rack to the machine.

1 M-5 Chase changer
Allows for the exchange and preparation of the chase and cutting dies for the next job

N SHUTTLE RACKS

2 N-54 Conveying rack for 2 "ER" jobs for tooling (quick locking device) *For stripping, blanking and cutting dies.*

Technical data

CONVERTIBLE STOCK		
Paper (depending on quality), min.	70	g/m2
Board (depending on quality), up to	2000	g/m2
Corrugated board, up to	4	mm
SIZES		
Embossing size, max.	1060 x 740	mm
Embossing size, min.	400 x 350	mm
Sheet size, max.	1060 x 760	mm
Sheet size, min.	400 x 350	mm
Cutting die full size, max.	1070 x 770	mm
DIECUTTING SIZE		
with gripper margin, max.	1060 x 746	mm
DIECUTTING		
Gripper margin	9 - 17	mm
Height of cutting rules	23.8	mm
PRODUCTION		
Production speed, up to [sheets / h]	12000	
Cutting force, up to	2.6	MN
PILE HEIGHT		
Feeder : max.	1700	mm
Delivery : max.	1700	mm
INSTALLATION		
Main motor power, max.	22	kW
Total connected load, max.	63	kVA
DIMENSIONS		
See attached drawing		
Length	10.1	m
Height	2.9	m
Width included podium and Automatic Pile Transfer	6.2	m
APPROXIMATE WEIGHT		
Net	30000	kg
Gross (in seaworthy packing)		kg

FOUNDATIONS

Regardless of the location, i.e. on storeys or on floors with or without basement, users are to make sure that the floor with the machine mass has a natural frequency of more than 25 Hz
Only civil engineers are competent for checking the floor behavior on the basis of the values indicated on our foundation plans