



# ***U.S. Machinery Associates, Inc.***

4229 Kessler Ridge Dr.

Marietta, GA 30062

Tel: 770-578-0055 Fax: 770-578-8555

Email: info@usmachineryassociates.com

Website: www.usmachineryassociates.com

## **2008 Bobst SPeria Foilmaster 104**

### **Standard Equipment**

#### **MACHINE**

- Machine compatible with HIGHWAY TDF - VIEW system.
- Centerline system for quick job changeover.
- Electronic device for sheet travel control.
- Control cabinet cooling unit.
- Gripper bars.
- Bobst-Electronic machine operating system C.U.B.E. II (Control Unit Bobst Electronic) with color screen.  
*Note: This microprocessor is based on the Bobst system that allows the operator to easily control, visualize and check the various functions and elements of the machine.*
- Main motor with frequency converter control.

#### **FEEDER**

- Pile tray with handle allowing manual lateral correction of the pile during production.
- Synchronization to control the arrival of the sheets at the front lays with a display on the C.U.B.E. screen.  
*Front lays are adjustable while in operation to fine tune the feeder cycle to the platen. This allows for the correction of the sheet timing while compensating for different variations of processed board.*
- Pile height control.
- Rear pile guides (OS and OOS).
- Side blowers adjustable with Centerline marks.
- Suction unit.
- Safety system for lowering the pile tray.

#### **FEED TABLE**

- Covered with an anti-static stainless steel plate.
- Feed table inlet equipped with lateral ramps.
- Belt slow-down device assuring smooth arrival of the sheets against the front lays.
- 4 Front lays, adjustable in pairs with front register control.
- "Pull" guide (OS) adjustable according to Centerline marks, with side register control.
- Double sheet detector.
- Support plates at entry of platen station.
- Sheet hold-down device (guiding the sheets to the front lays).
- Upper frame with manual lifting device.
- Upper transport equipment for paper, paperboard and corrugated board up to 4mm (0.160") thick.
- Transport belts with lateral guidance and automatic tension system.

## **PLATEN**

- Heated upper head with 12 independent heating zones.
- Gripper reopening device.
- 1 Automatic "on and off" pressure device of the platen.
- Equipment centering and locking.
- Locking of the chase against the upper beam.
- Measurement of the cutting force with strain gauge.
- Hot foil stamping equipment, including:
  - *Honeycomb chase (E-6)*
  - *Stamping plate, "BM" concept (E-62)*
  - *Compensating plate, "BM" concept (E-52)*
  - *Steel stamping supporting plate, thickness 21,5mm (.85")*
  - *Graduated rule (E-9)*

## **DELIVERY**

- Pile tray.
- Pneumatically controlled pivoting front joggers.
- Adjustable rear and side joggers with Centerline marks.
- Braking Brush.
- Manual non-stop rack.

## **AUXILIARY FOILMASTER EQUIPMENT**

- Manual foil feeding device.
- Foil Supply Module with 2 advance shafts for 250mm (9 7/8") diameter foil reels consisting of:
  - *2 transversal advance shafts, each driven by an individual electronically controlled motor*
  - *2 sets of 4 foil driving devices each consisting of: 1 driving belt 30 mm(1 1/8") wide, 1 belt automatic tensioning system, 1 set of reel holder with 1" and 3" hubs, and 2 reel supports.*
  - *Maximum reel diameter 250mm (9 7/8").*
- Foil web transport equipment inside the machine consisting of:
  - *1 double cross bar device for foil web guidance*
  - *1 combined blowing unit consisting of two independent blowers: 1 blower for stabilizing the sheet before stamping and 1 blower for releasing the foil after stamping*
  - *1 tension shaft with 16 - 14mm (1/2") wide rollers and 5 slitting knives.*
- Lateral used foil web removal system, combined with rotating brushes.
- Independent electrical cabinet with C.U.B.E. operating system  
*Air conditioned electrical cabinet, permitting control of up to 6 independent advance shafts.*
- Wireless remote control
  - *Manual foil advance*
  - *Platen pressure on/off*
  - *Pressure rollers on foil tension shaft on/off device*
  - *On/off control for a selected advance shaft*
  - *Foil advance activation on selected shafts*

## Included Optional Equipment

### **B** **MACHINE**

1 **B-7** **Operator Platform**

1 **B-10** **Device for high-speed die cutting of paper**

Included are:

- 1 Set of guides at the platen infeed
- Blower system at the delivery to improve stacking of the paper sheets.

**Note: Requires compressed air system (see Technical Data)**

### **C** **FEEDER**

1 **C-4** **Manual non-stop device**

*Pile height reduced by at least 200 mm (8"), when non-stop is used.*

### **D** **FEED TABLE**

1 **D-1** **Pull Guide (OOS)**

With side register control. Pull guide adjustable according to the Centerline marks. For jobs with opposite operator side registration.

### **J** **AUXILIARY FOILMASTER EQUIPMENT**

1 **J-4** **Foil Supply Module with 6 advance shafts**

1 **J-5** **Additional foil driving device, "non-motorized",  
D-250mm (9 7/8")**

Included: 1 driving belt 30mm wide (1 1/8"), 1 automatic belt tensioning system, 1 set of reel holders with 1" and 3" hubs, 1 set of foil reel supports.  
*Maximum reel diameter 250 mm (9 7/8"); minimal width 35mm (1 3/8")*  
*Capable of running up to a maximum of 6 driving devices per shaft.*  
8 units are provided with the standard equipment

1 **J-18** **Foil break control system for 8 foils**

The foil break control consists of 8 laterally adjustable photocells. This stops the machine immediately in case of a foil breakage.

**All the optional equipment included in this offer new cost in excess of \$185,000.00**

## Technical data

### CONVERTIBLE STOCK

Paper (depending on quality), min.	0.004"
*Board (depending on quality), up to	0.060"
*Corrugated board, up to	0.160"

( \* ) Carton acceptable warp : 4% of the widthwise sheet

### SIZES

Sheet size, max.	41" x 29"
Sheet size, min.	15 ¾" x 13 ¾"
Stamping and embossing size, max.	39 ¾" x 27 ½"
Cutting die standard IIIb size, max.	41" x 28 ½"

### DIECUTTING SIZE

With gripper margin, max.	40" x 27 ¾"
Without gripper margin, max.	40" x 28 3/8"

### DIMENSION OF PALLETS

Feeder / delivery, max.	47 ¼" x 31 ½"
-------------------------	---------------

### PRODUCTION

Adjustable impression strength	280 U.S. Tons
Production rate for stamping: (depending on foil advance and width)	7,500 sph
Production rate for diecutting, max. [ sph ]	7500

### PILE HEIGHT

Feeder : normal mode, max.	55"
Feeder : Non-Stop mode, max.	43"
Delivery : max.	43"

### INSTALLATION

Main motor power, max.	11 kW
Total connected load, max.	70 kVA

### DIMENSIONS

See attached drawing.

### APPROXIMATE WEIGHT

Net	40'000 lbs.
Gross (in seaworthy packing)	43,000 lbs.

### PNEUMATIC SPECIFICATIONS

Device for high-speed diecutting of paper (B-10) requires a compressed air supply of 90 psi.  
The pneumatic systems of the Foilmaster brake and clutch assembly of the Autoplaten require a compressed air supply 90 psi.

### DIECUTTING, EMBOSSING AND STAMPING

Gripper margin	0.354" to 0.670"
Height of embossing dies	0.250" to 0.276"
Height of cutting rules	0.937"

**PLATEN TEMPERATURE**

Adjustable temperature 68-320 F.  
Number of individually adjustable temperature zones 12

**FOIL SUPPLY MODULE**

Reel diameter, max. 250 (10") mm  
Reel hub diameters 25 (1") / 76 (3") mm  
\*\*Foil web width 1 3/8" to 40"  
Number of advance shafts, in standard equipment 2  
Number of advance shafts, in optional equipment 4  
Programmable advance, up to 28 3/8"

( \*\* ) Limited machine speed and/or foil advance with:  
- the use of foils with a width less than 35 mm (1-3/8") or larger than 600 mm (26-5/8"),  
- reels hub diameter of 25 mm (1").

**PRICE: On request**

*Descriptions and quantities are subject to modification. This information is confidential and cannot be copied without the consent of U.S. Machinery Associates, Inc.*



