

# **SBM 4000** *SERIES*

## **Fully Automatic Strapping Machines**

### **Technical Data Sheet SBM 4332**



# SBM 4000 SERIES

## Fully Automatic Strapping Machines

### Highlights - Standard Equipment - Technical Data

#### Highlights



#### IP 56 Protection

The machines are in compliance with the state of the art production requirements.



#### Exceptionally easy operation

Strap tension adjustable with press button (+/-).



#### Minimum maintenance requirement

Easily accessible



#### Simple and rapid coil change



#### Lightweight strap for cost effective strapping

#### Easy fault clearance

without tools

#### Standard Equipment

- Adjustable conveyor height
- Swinging out belt conveyor system
- Four castors with brakes
- Closed strap chute system
- Heat seal
- Automatic strap threading device
- Automatic strap end ejection
- Automatic strap loop ejection for cycles without product
- Cycle counter
- Electronic control system with microprocessor + Siemens S7-200 SPS
  - Free memory capacity for peripheral modules
- Emergency push button
- Dispenser, side-mounted on machine frame
- Electrical supply cable, 5 m
- **Operation / Indication**
  - Touch Panel, mounted on dispenser side
  - Graphic display for program selection and strap interspace
  - Error message display
- **Interface**
  - One 24 pole harding connector
  - All output (transmitting) signals potential free
    - Ready signal to feed conveyor
    - General fault signal
  - Input signal, potential free
    - Ready signal from follow-on conveyor
- **Basic photocell** for detecting and positioning the packages

#### Technical Data

##### Machines

- Heat weld sealing, preheating time 30 s
- Electrical supply Single phase AC  
230 V / 50 Hz, 1PNE and  
115 V / 60 Hz, 1PNE  
Tolerance -15%/+20%
- Performance at at 225 VAC
 

	Modus Sleep	Modus Stand-by	Modus Operation
- Watt	50 W	70 W	607 W
- Volt Ampere	53 VA	78 VA	622 VA
- Reactive Power	19 VAR	33 VAR	139 VAR
- Power Factor	PF 0,60	PF 0,88	PF 0,98
- COS Phi	0,64	0,91	0,99
- Ampere	0,28 A	0,38 A	3,0 A
- Conveyor height 720–950 mm
- Machine weight 280 kg
- Colour Green: RAL 6000

##### Packages

- Min. width / length 100 x 150 mm
- Max. width/height Chute dimension ./ 50 mm
- Max. weight 35 kg

##### Plastic strap (PP)

- Width: 9 mm / embossed Dylastic 940 SBM
- Width: 12 mm / embossed Dylastic 1240 SBM
- Strap thickness 0,40–0,60 mm
- Strap coil, inside/outside Ø 200/430 mm

Polypropylene straps and applications have to correspond with the strap specifications recommended by Signode!

# SBM 4000 SERIES

## Fully Automatic Strapping Machines

### Performance - Options

#### Performance

##### Performance:

Depends on chute and package dimensions, conveyor speed, package distances and strap tension

#### Machines

#### SBM 4332

For strap width	9/12 mm
Max. cycles	65/min.*
Chute dimensions (w x h)	
- 650 x 500 mm	9/12 mm

#### Machines

#### SBM 4332

Strap tension, up to	450 N
Room temperature	5-40°C
Relative humidity of air	10-85%

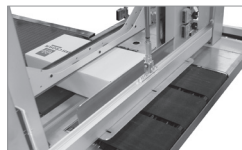
\*Without conveying

#### Options



##### Hold down device

Pneumatic hold down device, pressing force up to 450 N, for containing lightweight packages during strapping cycle. Can be mounted at infeed and/or outfeed side of the machine. Compressed air consumption (5 bar): approx. 3,5 l/cycle



##### Package stops

For the first strapping position.



##### Fixable feet

With adjustable feet the machine can be securely located

##### Transport stop

When there are no packages on the infeed side of the machine, the conveyor stops automatically until a new package is on the conveyor.



##### Strapping in the centre

The packages are – depending of its length – automatically strapped in the centre.



##### Conveyor extension

The belt conveyor system can be extended on the infeed and outfeed side, by 120/240 mm on each side.

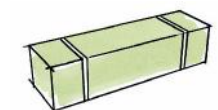


##### Package height

If strapping height exceeds or remains under the adjusted value, strapping is prevented.

##### Triple signal lamp:

red, green, orange  
Different machine status are optically displayed and every machine fault is indicated by the signal lamp.



##### First strapping position

For parallel strapping. High operating convenience due to direct access to strapping position by shifting the photocells.



##### Conveyor height

950–1200 mm

##### Potential free signals in 24 pin Interface plug

- Strap end
- Strap end pre-warning
- Automatic Mode
- Conveyor signal for infeed and down stream conveyor
- Cycle counter

##### Second strapping tension

If the package height exceeds the adjusted photocell a stronger preadjusted tension will be applied.

##### Fourfold signal lamp: white /Strap end pre-warning

When the coil diameter falls below a pre-adjusted value, the white indicator lamp will be activated. This enables a coil to be prepared in advance to minimise production down time.



##### Automatic program selection

- Single strapping in the centre
- Multiple strapping

